ASSE International

"Prevention Rather Than Cure"

Seal Authorization Booklet



January 23, 2019

Product listings are granted almost daily. This book is generated daily. All active and inactive product listings are also listed on our website at: www.asse-plumbing.org.

Please contact us at <u>listingcoordinator@asse-plumbing.org</u> with any questions.

Table of Contents

Listee Directory	3
Standard #ASSE 1001	7
Standard #ASSE 1002	9
Standard #ASSE 1003 1	0
Standard #ASSE 1004 1	4
Standard #ASSE 1008 1	4
Standard #ASSE 1010 1	5
Standard #ASSE 1011 2	3
Standard #ASSE 1012 2	4
Standard #ASSE 1013 2	5
Standard #ASSE 1014 3	6
Standard #ASSE 1015 3	6
Standard #ASSE 1016 4	8
Standard #ASSE 1017 5	1
Standard #ASSE 1018 5	8
Standard #ASSE 1019 5	8
Standard #ASSE 1020 6	1
Standard #ASSE 1022 6	2
Standard #ASSE 1023 6	3
Standard #ASSE 1024 6	
Standard #ASSE 1032 6	6
Standard #ASSE 1035 6	6
Standard #ASSE 1037 6	7

Standard #ASSE 1044	68
Standard #ASSE 1047	68
Standard #ASSE 1048	74
Standard #ASSE 1049	81
Standard #ASSE 1050	81
Standard #ASSE 1051	82
Standard #ASSE 1052	83
Standard #ASSE 1053	83
Standard #ASSE 1055	83
Standard #ASSE 1056	85
Standard #ASSE 1057	86
Standard #ASSE 1060	86
Standard #ASSE 1062	
Standard #ASSE 1063	87
Standard #ASSE 1066	87
Standard #ASSE 1069	87
Standard #ASSE 1070	88
Standard #ASSE 1071	91
Standard #ASSE 1072	91
Standard #ASSE 1079	92
Standard #ASSE 1081	92
Standard #AWWA C512	92
ASSE Accepted Shutoff Valves	93

LISTEE DIRECTORY

A. Y. McDonald Mfg. Co. 4800 Chavenelle Road Dubuque, IA 52002 563-583-7311 www.aymcdonald.com (ASSE 1003, ASSE 1011, ASSE 1019, ASSE 1024)

AB Durgo Rasnndavagen 25 Box 3021 S-17103 SWEDEN 46 8 730 52 80 (ASSE 1050, ASSE 1051)

Ademco Inc. / Honeywell 251 Little Falls Drive Wilmington, DE 19808 763 954 4816 (ASSE 1003, ASSE 1012, ASSE 1017, ASSE 1024, ASSE 1070, ASSE 1081)

AERCO, a Watts Regulator Company 100 Oritani Drive

Blauvelt, NY 10913 845-580-8000 http://aerco.com/contact (ASSE 1017)

American Dish Service 900 Blake St Edwardsville, KS 66111 913-422-3700 www.americandish.com (ASSE 1004)

American Valve 4321 Piedmont Pkwy Greensboro, NC 27410 336-668-0554 (ASSE 1019)

AMES Fire & Waterworks, a Watts Regulator Company 1485 Tanforan Ave Woodland, CA 95776 530-666-2493 www.ames-co.com (ASSE 1013, ASSE 1015, ASSE 1047, ASSE 1048)

Amtrol 1400 Division Rd West Warwick, RI 07845-6098 401-884-6300 www.amtrol.com (ASSE 1010)

Anderson Brass Co. 1629 W. Bobo Newsom Highway Hartsville, SC 29550 843-332-4111 www.andersonbrass.com (ASSE 1022) Apollo Valves / Conbraco Industries 1418 S Pearl St PO Box 125 Pageland, SC 29728 843-672-1630 www.apollovalves.com (ASSE 1001, ASSE 1003, ASSE 1011, ASSE 1012, ASSE 1013, ASSE 1015, ASSE 1017, ASSE 1020, ASSE 1022, ASSE 1024, ASSE 1035, ASSE 1047, ASSE 1048, ASSE 1052, ASSE 1026, ASSE 1060, ASSE 1069, ASSE 1070, ASSE 1071)

Aquor 240 Airport Road Port Townsend, WA 98368 360-385-3315 www.aquorwatersystems.com (ASSE 1019)

ARI Flow Control Accessories Kibbutz Kfar Charuv ISRAEL 97-2-4-6761800 www.arivalves.com (ASSE 1013, ASSE 1015, ASSE 1020)

Armstrong Hot Water Group 221 Armstrong Blvd Three Rivers, MI 49093-2374 269-279-3602 www.armstronginternational.c om (ASSE 1016, ASSE 1017)

Arrowhead Brass & Plumbing LLC 5147 Alhambra Ave. Los Angeles, CA 90032 323-221-9137 www.arrowheadbrass.com (ASSE 1011, ASSE 1019, ASSE 1053)

ASBE Acquisition, LLC dba AquaShield 2020 W. 38th St. North Little Rock, AR 72118 501-791-1800 www.aquashieldenclosures.co m (ASSE 1060)

Ayrlett, LLC 1424 1st South Nampa, ID 83654 208-442-9053 www.ayrlett.com (ASSE 1010, ASSE 1050, ASSE 1051)

B&K LLC 8285 Tournament Drive Memphis, TN 38125 901-751-7743 (ASSE 1019) Backflow Direct, LLC 2484 Mercantile Drive Rancho Cordova, CA 95742 916-760-4524 www.backflowdirect.com (ASSE 1013, ASSE 1015)

BEECO (division of MIFAB, Inc.) 1321 W 119th St Chicago, IL 60643 773-341-3017 (ASSE 1001, ASSE 1003, ASSE 1012, ASSE 1013, ASSE 1015, ASSE 1048)

Belvedere USA Corp. One Belvidere Blvd. Belvedere, IL 61008 815-544-3131 www.belvedereco.com (ASSE 1001)

BF Products, Inc. 1327-J Wood Branch Dr. Charlotte, NC 28206 704-599-9407 http://www.bfproductsinc.com /

(ASSE 1060)

Bradley Corporation W142 N9101 Fountain Blvd Menomonee Falls, WI 53051 262-532-5975 www.bradleycorp.com (ASSE 1016, ASSE 1017, ASSE 1069, ASSE 1070, ASSE 1071)

Brightwell Dispensers Inc 9567 Alden Street Lenexa, KS 66215 913-956-4909 (ASSE 1055)

Cambridge Brass, Inc. 140 Orion Place CANADA 800-724-3906 www.cbrass.com (ASSE 1024)

Canplas Industries Ltd. 500 Veterans Dr PO Box 1800 CANADA 705-726-3361 www.canplas.com (ASSE 1051)

Cash Acme / Reliance Worldwide Corp 2300 Defoor Hills Rd. NW Atlanta, GA 30318 256-775-8186 www.cashacme.com (ASSE 1001, ASSE 1003, ASSE 1010, ASSE 1011, ASSE 1012, ASSE 1017, ASSE 1024, ASSE 1062, ASSE 1069, ASSE 1070) Chicago Faucet / A Geberit Company 2100 S Clearwater Dr

Des Plaines, IL 60018-5999 847-803-5000 x235 www.chicagofaucet.com (ASSE 1001, ASSE 1016, ASSE 1017, ASSE 1069, ASSE 1070)

Chudnow Mfg. Co., Inc. 3055 New St. Box 10 Oceanside, NY 11572 516-593-4222 www.chudnowmfg.com (ASSE 1032)

Chung Cheng Faucet Co. No. 279 Hsing Ho Road Wang Tyan Li, Tatu District TAIWAN, PROVINCE OF CHINA 886-4-2693-2506 www.ccf.com.tw (ASSE 1016)

Contractor Sales 11450 E. Blue Cove Drive Dunnellon, FL 34432 gary_harrison@quickvent.net (ASSE 1050, ASSE 1051)

Cornelius, Inc. 500 Regency Drive Glendale Heights, IL 60139 630-539-6866 www.cornelius.com (ASSE 1032)

Crane Plumbing c/o American Standard 706 Hwy 3057 Somerset, KY 42501 800-546-5476 www.craneplumbing.com (ASSE 1001)

Danco, Inc 2727 Chemsearch Blvd Irving, TX 75062 972-438-0272 www.gomjsi.com (ASSE 1002)

Dekorra Products LLC PO Box 338 Rio, WI 53960 920-992-6535 www.dekorraproducts.com (ASSE 1060)

Dema Engineering 10020 Big Bend Rd St Louis, MO 63122 314-966-3533 www.demaeng.com (ASSE 1001, ASSE 1055)

Diversey 1410 Newman Road Racine, WI 53406 831-417-3588 www.johnsondiversey.com (ASSE 1001, ASSE 1055) Eastern Foundry & Fittings 10 Brodie Drive Unit #1 CANADA 905-883-6869 www.eff-fitting.com (ASSE 1010)

Ecolab, Inc. 1 Ecolab Place St Paul, MN 55102 651-293-4654 (ASSE 1001, ASSE 1055)

Everflow Industrial Supply Corp 16F, NO.401, SEC.1 CHUNG SHAN ROAD TAIWAN, PROVINCE OF CHINA 886-2-85123300 www.everflowind.com (ASSE 1010)

FEBCO, a Watts Regulator Company 583 S. Main St. Franklin, NH 03235 910-865-8241 www.febcoonline.com (ASSE 1001, ASSE 1013, ASSE 1015, ASSE 1020, ASSE 1047, ASSE 1048)

Ferguson Enterprises c/o Precision Plumbing Produc 802 SE 199th Ave Portland, OR 97233 503-256-4010 www.ferguson.com (ASSE 1018)

Ferguson PROFLO® c/o Oatey Company 4700 West 160th Street Cleveland, OH 44149 216-267-7100 (ASSE 1050, ASSE 1051)

Flomatic Corporation 15 Pruyn's Island Dr Glens Falls, NY 12801 518-761-9797 http://www.flomatic.com/ (ASSE 1003)

Fluidmaster Inc 30800 Rancho Viejo Rd San Juan Capistrano, CA 92675 949-728-2400 www.fluidmaster.com (ASSE 1002)

Ford Meter Box Company, Inc

775 Manchester Ave PO Box 398 Wabash, IN 46992-0443 260-563-3171 www.fordmeterbox.com (ASSE 1024) Frajon Valves, Inc. 8461 Possum Hollow Rd, Unit 104A Indian Land, SC 29707 561-702-9943 (ASSE 1050, ASSE 1051)

Fu San Machinery Co., Ltd 51 Haddonfield Rd Suite 150 Cherry Hill, NJ 08002 856-779-9200 www.fusan.com.tw/english (ASSE 1003)

Fu San Valve No.8 Fuyuan Road Fu 'An Town, CHINA 0512-65288865 Fusan.com.tw (ASSE 1010, ASSE 1011, ASSE 1019)

G & C Enclosures, Inc. 60 Athens Dr Mt Juliet, TN 37122 615-754-6565 www.gcenclosures.com (ASSE 1060)

Gerber Plumbing Fixtures 2500 Internationale Parkway Woodridge, IL 60517 630-410-0006 www.gerberonline.com (ASSE 1016)

Giacomini s.p.a. Via Per Alzo 39 1-28017 San Maurizio ITALY 390-322-923-372 www.giacomini.com (ASSE 1012, ASSE 1017, ASSE 1024)

Guardian Equipment 600 N Union Street Chicago, IL 60610 312-447-8100 www.gesafety.com/ (ASSE 1071)

Hajoca (MAINLINE[®] & BRIGADE[™]) c/o IPS Corp Global Support Center 3100 Cumberland Blvd. Atlanta, GA 30339 770-852-9056 (ASSE 1010, ASSE 1050, ASSE 1051)

Heat-Timer Corp. 20 New Dutch Lane Fairfield, NJ 07004 973-575-4004 www.heat-timer.com (ASSE 1017) Hendrickson Brothers 2931 Rimpau Avenue Corona, CA 92881 951-737-6822 (ASSE 1011)

Ho Sing Enterprises Co., Ltd. 626 Sec 4 Lu Ho Rd. TAIWAN, PROVINCE OF CHINA (ASSE 1010)

Hoeptner Perfected Products 7796 Oak Spring Circle Gilroy, CA 95020 408-847-7615 www.freezeflow.com (ASSE 1057)

Holby Valve Inc. 24 Ferdon St Newark, NJ 07105 973-775-2524 www.holby.com (ASSE 1017)

Homewerks Worldwide c/o PT Ever Age Valves Metals JL RAYA SUMENGKO KM30, 7 WRINGINANOM INDONESIA 6231-8976388 (ASSE 1019)

Hsien Chang Metals Co. 15-11 Tour Luen Lane Tour-Luen Li Lu-Kang TAIWAN, PROVINC 886-4-771-1864 www.faucet.com.tw (ASSE 1011, ASSE 1016, ASSE 1070)

Hubbell Lenoir City, Inc. 3621 Industrial Park Drive Lenoir City, TN 37771 800-736-0238 www.hot-box.com (ASSE 1060)

Hunter Industries 1940 Diamond St. San Marcos, CA 92078 760-744-5240 www.hunterindustries.com (ASSE 1001)

Hydro Systems Co. 3798 Roundbottom Rd Cincinnati, OH 45244-2413 513-842-2580 (ASSE 1055)

I-Con Systems, Inc. 3100 Camp Road Oviedo, FL 32765 407-365-6241 www.i-consys.com (ASSE 1037) In-Sink-Erator Corp 1250 International Drive Mount Pleasant, WI 53177 262-598-5249 www.insinkerator.com (ASSE 1008, ASSE 1023)

IPS Corporation 500 Distribution Parkway Colliervile, TN 38017 901-853-5001 www.ipscorp.com (ASSE 1010)

James Jones Company 4127 Temple City Blvd. El Monte, CA 91731 818-443-6100 (ASSE 1024)

JAY R. SMITH MFG., CO. 2781 Gunter Park E. PO Box 3237 Montgomery, AL 36109-0237 334-260-5207 www.jrsproducts.com (ASSE 1010, ASSE 1018, ASSE 1019, ASSE 1044, ASSE 1052, ASSE 1053, ASSE 1072)

Josam Company 525 W. US 20 Michigan City, IN 46360 (ASSE 1018)

Knight, LLC 15340 Barranca Parkway Irvine, CA 92618 949-595-4804 www.knightequip.com (ASSE 1055)

Kohler Company 444 Highland Dr MS 073 Kohler, WI 53044-1515 920-457-4441 www.kohler.com (ASSE 1002)

Kohler-Mira Cromwell Road UNITED KINGDOM 44-124-228-2326 www.mirashowers.com (ASSE 1016, ASSE 1017, ASSE 1069, ASSE 1070)

Korea Seal Technologies 202-601, Chunui Technopark 202, Chunui-Dong, Wonmi-Gu KOREA, REPUBLIC OF 82-32-623-0810 (ASSE 1010)

Krowne Metal Corporation 100 Haul Road Wayne, NJ 07470 973-305-3313 (ASSE 1001) Lancer Corporation 6655 Lancer Blvd. San Antonio, TX 78219 210-310-7024 www.lancercorp.com (ASSE 1032)

LaSalle Bristol 601 County Road 17 Elkhard, IN 46515 574-295-4400 www.lasallebristol.com (ASSE 1050, ASSE 1051)

Lavelle Industries 1215 Universal Boulevard Whitewater, WI 53190 800-528-3553 www.lavelle.com (ASSE 1002)

Lawler Manufacturing Company, Inc. 5330 E 25th St Indianapolis, IN 46218 317-261-1212 www.lawlervalve.com (ASSE 1016, ASSE 1017, ASSE 1069, ASSE 1070, ASSE 1071)

Legend

300 N Oydyke Rd Auburn, MI 48326 248-630-7400 www.legendvalve.com (ASSE 1003, ASSE 1011, ASSE 1012, ASSE 1017, ASSE 1019, ASSE 1024)

Leonard Valve 1360 Elmwood Ave Cranston, RI 02910 401-461-1200 www.leonardvalve.com (ASSE 1016, ASSE 1017, ASSE 1069, ASSE 1070, ASSE 1071)

Manitowoc Beverage Systems

2100 Future Drive Sellersburg, IN 47172 812-748-3328 www.manitowacbeverage.com (ASSE 1032)

Mansfield Plumbing Products 150 E. First St. Perrysville, OH 44864-9412 419-938-1431 www.mansfieldplumbing.com (ASSE 1002)

Matco-Norca, Inc Route 22 Brewster Busines PO Box 27 Brewster, NY 10509 845-278-7570 ext 8051 www.matco-norca.com (ASSE 1011, ASSE 1019) MIFAB, Inc. 1321 West 119th St Chicago, IL 60643 773-341-3030 www.mifab.com (ASSE 1010, ASSE 1011, ASSE 1018, ASSE 1019, ASSE 1072)

Misco Products

Misco Products 1048 Stinson Drive Reading, PA 19605 1-800-548-4568 (ASSE 1055)

Moen, Inc. 25300 Al Moen Dr North Olmsted, OH 44070 440-962-2000 www.moen.com (ASSE 1016, ASSE 1037)

Mueller Company

500 West Eldorado St Decatur, IL 62525 217-423-4471 www.muellercompany.com (ASSE 1024)

Murdock Manufacturing 15125 Proctor Ave City of Industry, CA 91746 513-471-7700 www.murdock-supersecur.com (ASSE 1057)

Neptune Technology Group Inc 1600 Alabama Highway 229 Tallassee, AL 36078 334-283-6555 www.neptunetg.com (ASSE 1015)

Ning Woei Enterprises Co. Ltd. 81-1 Kuo Chain Li LuKong Town TAIWAN, PROVINCE OF CHINA 886-4-771-5399 (ASSE 1019)

Oatey Company 4700 West 160th St Cleveland, OH 44135-2632 216-267-7100 www.oatey.com (ASSE 1002, ASSE 1010, ASSE 1050, ASSE 1051)

Paxton Controls, LLC 375 East 182nd Street Bronx New York, NY 11221 401-396-5110 (ASSE 1017)

Piedmont Well Covers 1135 Mazeppa Road Mt. Ulla, NC 28125 704-664-8488 (ASSE 1060) Pops Technologies LLC 26A Elk Terminal Buffalo, NY 14204 416-906-2904 (ASSE 1055)

Powers, a Watts Regulator Company 815 Chestnut St North Andover, MA 01845 978-689-6175 www.powerscontrols.com (ASSE 1016, ASSE 1017, ASSE 1062, ASSE 1069, ASSE 1070, ASSE 1071)

Precision Plumbing Products 802 SE 199th Ave Portland, OR 97233 503-256-4010 www.pppinc.net (ASSE 1010, ASSE 1018, ASSE 1044, ASSE 1062, ASSE 1066, ASSE 1072)

PRIER Products, Inc. 4515 E. 139th St

Grandview, MO 64030 816-763-4100 www.prier.com (ASSE 1011, ASSE 1019, ASSE 1052)

PT Ever Age Valves Metals JL. Raya Sumengko KM 30 7 Wringinanom Gresik INDONESIA 62-31-897-8388

www.everagevalvesmetals.com (ASSE 1010, ASSE 1011, ASSE 1019)

PVI, a Watts Regulator Company 3209 Galvez Avenue Fort Worth, TX 76111-4509 817-335-9531 http://www.pvi.com/ (ASSE 1017)

Rain Bird Corporation 1000 W Sierra Madre Azusa, CA 91702 626-812-3628 www.rainbird.com (ASSE 1001)

RectorSeal, LLC 2601 Spenwick Drive Houston, TX 77055 253-564-0624 www.rectorseal.com (ASSE 1051, ASSE 1072)

Rohl, LLC 3 Parker Irvine, CA 92618-1605 www.rohlhome.com (ASSE 1016)

SAFE-T-COVER

2710 Landers Ave. Nashville, TN 37211 615-259-4495 www.safe-t-cover.com (ASSE 1060)

Seko SpA

Via Salaria KM 92, 200 ITALY 39-0746-605869 (ASSE 1055)

Sioux Chief Mfg. Co. Inc. 24110 S Peculiar Dr PO Box 397 Peculiar, MO 64078-9247 800-821-3944 www.siouxchief.com (ASSE 1010, ASSE 1018, ASSE 1044, ASSE 1050, ASSE 1051, ASSE 1072)

Sloan Flushmate 30075 Research Dr New Hudson, MI 48165 248-446-5300 www.sloanflushmate.com (ASSE 1037)

Sloan Valve Company 10500 Seymour Ave Franklin Park, IL 60131 800-982-5839 www.sloanvalve.com (ASSE 1001)

Speakman Co. P.O.Box 191 Wilmington, DE 19899 302-764-7100 (ASSE 1071)

Steamist Inc. 25 East Union Ave East Rutherford, NJ 07073 201-933-0700 (ASSE 1016)

Studor Ltd. 13 Sheridan Terrace UNITED KINGDOM www.studor.net (ASSE 1049, ASSE 1050, ASSE 1051)

Sunburst Chemicals 220 W 86th St Bloomington, MN 55420-2702 952-884-3144 www.sunburstchemicals.com (ASSE 1055)

T & S Brass & Bronze Works, Inc. PO Box 1088 Travelers Rest, SC 29690-1088 800-476-4103 www.tsbrass.com (ASSE 1001) **Taco, Inc.** 1160 Cranston St Cranston, RI 02920 401-942-8000 www.taco-hvac.com (ASSE 1003, ASSE 1012, ASSE 1017, ASSE 1070, ASSE 1081)

TAHO Valves No. 11 Changbin East 11 Rd Siansi TAIWAN, REPUBLIC OF CHINA 886-4-7910168 (ASSE 1010)

Te-Cheng Industrial Co., Ltd. *no primary address set* 02-886-4-7714962 (ASSE 1011)

Technical Machining Services, Inc

1201 N. 8th Street P.O. Box 1256 Rogers, AR 72757-1259 www.mafcoinc.com (ASSE 1019)

Toro Company 5825 Jasmine St. Riverside, CA 92504 951-785-3629 www.toro.com (ASSE 1001, ASSE 1020)

TOTO USA C/O Globe Union Industrial 22 Chien-Kuo Rd T.E.P.Z. CHINA (ASSE 1016)

TOTO USA, Inc. 5351 E Jurupa St Ontario, CA 91761 909-974-5678 (ASSE 1011, ASSE 1016, ASSE 1037, ASSE 1070)

Tsangkuo Industrial Co. Ltd. No 188 Nan Shin Lane, Tou Nan Li TAIWAN, REPUBLIC OF CHINA 886-4-763-0082 (ASSE 1011)

Valley Forge/Ayrlett 824 E. Fargo Ave. Nampa, ID 83687 888-992-9753 (ASSE 1051)

Val-Matic Valve

905 Riverside Dr Elmhurst, IL 60126 630-941-4665 www.valmatic.com (ASSE 1063, AWWA C512) Wade Specification Drainage Products 11910 CR 492 Tyler, TX 75706 903-882-5511 (ASSE 1010)

WaterSaver Faucet 701 W. Erie Street Chicago, IL 60654 312-666-5500 (ASSE 1001, ASSE 1024, ASSE 1071)

Watts Regulator Company

815 Chestnut St N Andover, MA 01845 978-689-6175 www.wattsind.com (ASSE 1001, ASSE 1003, ASSE 1010, ASSE 1011, ASSE 1012, ASSE 1013, ASSE 1015, ASSE 1017, ASSE 1018, ASSE 1019, ASSE 1020, ASSE 1022, ASSE 1024, ASSE 1032, ASSE 1035, ASSE 1047, ASSE 1048, ASSE 1052, ASSE 1056, ASSE 1060, ASSE 1069, ASSE 1070, ASSE 1079)

WDI Technology 3 Musick St. Irvine, CA 92618-1638 949-250-4576 (ASSE 1002)

Wilkins / A Division of Zurn 1747 Commerce Way Paso Robles, CA 93446 805-237-7100 www.zurnwilkins.com (ASSE 1001, ASSE 1003, ASSE 1010, ASSE 1011, ASSE 1012, ASSE 1013, ASSE 1015, ASSE 1017, ASSE 1020, ASSE 1022, ASSE 1024, ASSE 1035, ASSE 1047, ASSE 1048, ASSE 1056, ASSE 1070)

Wolseley PLC c/o Ho Sing Enterprises 12500 Jefferson Ave. Newport News, VA 23602 757-874-7795 (ASSE 1010)

Wolverine c/o Conbraco 1418 S. Pearl St. Pageland, SC 29728 704-847-9191 (ASSE 1003, ASSE 1012, ASSE 1024)

Woodford Mfg. Co. 2121 Waynoka Rd Colorado Springs, CO 80915 719-574-0600 www.woodfordmfg.com (ASSE 1011, ASSE 1019, ASSE 1035, ASSE 1052, ASSE 1053, ASSE 1057) Zurn Industries, Inc. 1301 Raspberry Street Erie, PA 16514 814-875-1263 www.zurn.com (ASSE 1001, ASSE 1010, ASSE 1011, ASSE 1014, ASSE 1016, ASSE 1018, ASSE 1019, ASSE 1037, ASSE 1052, ASSE 1072)

R

STANDARD #ASSE 1001 Atmospheric Type Vacuum Breakers ASSE-2017

Cash Acme / Reliance Worldwide Corp Revision: 2017 Model: V-101 (V-101C Chrome-plated) Size: 1 inch Issued: 9/1/1987 Amended: 10/6/2010, 9/20/2018

Revision: 2017 Model: V-101 (V-101C Chrome-plated) Size: 1/2 inch Issued: 9/1/1987 Amended: 10/6/2010, 9/20/2018

Revision: 2017 Model: V-101 (V-101C Chrome-plated) Size: 3/4 inch Issued: 9/1/1987 Amended: 10/6/2010, 9/20/2018

Ecolab, Inc. Revision: 2017 Model: A-25F Size: 1/4 inch Issued: 12/5/1988

Revision: 2017 Model: A375-M Size: 3/8 inch Issued: 6/9/2015

Hunter Industries Revision: 2017 Model: PGV-075-ASV 3/4" Issued: 1/4/2000 Amended: 1/1/2003, 11/30/2006, 2/17/2009, 4/24/2018

Revision: 2017 Model: PGV-075-ASV-S 3/4" (Slip) Issued: 1/4/2000 Amended: 1/1/2003, 11/30/2006, 2/17/2009, 4/24/2018

Revision: 2017 Model: PGV-101-ASV 1" Issued: 1/4/2000 Amended: 1/1/2003, 11/30/2006, 2/17/2009, 4/24/2018

Revision: 2017 Model: PGV-101-ASV-S 1" (Slip) Issued: 1/4/2000 Amended: 1/1/2003, 11/30/2006, 2/17/2009, 4/24/2018

Krowne Metal Corporation Revision: 2017 Model: Issued: 5/3/2018 Revision: 2017 Model: 21-450L, 21-4551 21-450L Atmospheric Vacuum Breaker, 21 455L U-Shaped Vacuum **Breaker Assembly** Issued: 5/3/2018 Apollo Valves / **Conbraco Industries** Revision: 2008 Model: AVB1 & AVB1LF Size: 3/4 AVB1 w/ NPT or RP (British) Threads & AVB1LF w/ NPT Threads Issued: 8/21/1969 Amended: 4/28/2009, 8/9/2010 Revision: 2008 Model: AVB1 & AVB1LF Size: 3/8' AVB1 w/ NPT or RP (British) Threads & AVB1LF w/ NPT Threads Issued: 8/21/1969 Amended: 4/28/2009, 8/9/2010 Revision: 2008 Model: AVB1 & AVB1LF Size: 1 AVB1 w/ NPT or RP (British) Threads & ÀVB1LF w/ NPT Threads Issued: 8/21/1969 Amended: 4/28/2009, 8/9/2010 Revision: 2008 Model: AVB1 & AVB1LF Size: 1 1/2" NPT Threads Issued: 8/21/1969 Amended: 4/28/2009, 8/9/2010 Revision: 2008 Model: AVB1 & AVB1LF Size: 1 1/4' NPT threads Issued: 8/21/1969 Amended: 4/28/2009, 8/9/2010 Revision: 2008 Model: AVB1 & AVB1LF Size: 1/2 AVB1 w/NPT or RP (British) Threads & ÀVB1LF w/ NPT Threads Issued: 8/21/1969 Amended: 4/28/2009, 8/9/2010

Revision: 2008 Model: AVB1 & AVB1LF Size: 1/4" AVB1 w/ NPT or RP (British) Threads & ÀVB1LF w/ NPT Threads Issued: 8/21/1969 Revision: 2008 Model: AVB1 & AVB1LF Size: 2 NPT Threads Issued: 8/21/1969 Amended: 4/28/2009, 8/9/2010 Revision: 2008 Model: AVB2 Size: 1/2" FNPT Issued: 3/12/2003 Amended: 4/12/2005, 8/5/2010, 8/9/2010 Revision: 2008 Model: AVB2 Size: 1/4" FNPT Issued: 3/12/2003 Amended: 4/12/2005, 8/5/2010, 8/9/2010 Revision: 2008 Model: AVB2 Size: 3/4" FNPT Issued: 3/12/2003 Amended: 4/12/2005, 8/5/2010, 8/9/2010 Revision: 2008 Model: AVB2 Size: 3/8" FNPT Issued: 3/12/2003 Amended: 4/12/2005, 8/5/2010, 8/9/2010 **BEECO** (division of MIFAB, Inc.) Revision: 2008 Model: ASVB Size: 1/2 -B & -CP options & lead content less than or equal to .25%

Revision: 2008 Model: ASVB Size: 1/4" -B & -CP options & lead content less than or equal to .25% Issued: 1/11/2011

Issued: 1/11/2011

Revision: 2008 Model: ASVB Size: 3/4" -B & -CP options & lead content less than or equal to .25% Issued: 1/11/2011 Revision: 2008 Model: ASVB Size: 3/8" -B & -CP options & lead content less than or equal to .25% Issued: 1/11/2011

Belvedere USA Corp. Revision: 2008 Model: 403 Size: 1/4 inch Issued: 3/11/1993

Revision: 2008 Model: 403L Size: 1/4 inch Issued: 3/11/1993

Chicago Faucet / A Geberit Company Revision: 2008 Model: 734 Size: 3/4 inch -CP Chrome Plate. Exemption from displaying the ASSE Seal Logo granted 12/29/2005 Issued: 8/27/1991 Amended: 5/10/2004, 5/24/2016

Revision: 2008 Model: 892, 892G Size: 1/2" Exemption granted from displaying the logo 11/21/2005 Issued: 8/27/1991 Amended: 11/21/2005, 7/21/2010

Revision: 2008 Model: 893 Size: 3/8" Exemption granted from displaying the logo 11/21/2005 Issued: 8/27/1991 Amended: 11/21/2005, 7/21/2010

Crane Plumbing c/o American Standard Revision: 2008 Model: 830-AA Service Sink Faucet Issued: 5/19/1999

Dema Engineering Revision: 2008 Model: 58-1 Exemption from displaying the seal granted 10/20/2005 Issued: 11/3/1999

Diversey Revision: 2008 Model: E232030 Size: 3/8 inch Issued: 1/3/1997 Amended: 3/1/1997, 11/16/2006, 2/4/2011 Ecolab, Inc. Revision: 2008 Model: Distributor 3000 Issued: 3/13/1995

Revision: 2008 Model: Distributor 3000 PKD Issued: 3/13/1995

Revision: 2008 Model: Distributor 600 PKD Issued: 3/13/1995

Revision: 2008 Model: Dryview Dispenser Issued: 3/13/1995

Revision: 2008 Model: Keystone Distributor 600 PKD Issued: 3/13/1995

FEBCO, a Watts Regulator Company Revision: 2008 Model: 710 (LF) Size: 1 inch Issued: 7/8/1981 Amended: 12/22/2003, 2/24/2010

Revision: 2008 Model: 710 (LF) Size: 1-1/2 inch Issued: 7/8/1981 Amended: 12/22/2003, 2/24/2010

Revision: 2008 Model: 710 (LF) Size: 1-1/4 inch Issued: 7/8/1981 Amended: 12/22/2003, 2/24/2010

Revision: 2008 Model: 710 (LF) Size: 2 inch Issued: 7/8/1981 Amended: 12/22/2003, 2/24/2010

Revision: 2008 Model: 715 (LF) Size: 1/2 inch Issued: 7/8/1981 Amended: 12/22/2003, 2/24/2010

Revision: 2008 Model: 715 (LF) Size: 3/4 inch Issued: 7/8/1981 Amended: 12/22/2003, 2/24/2010

Hydro Systems Co. Revision: 2008 Model: 10092530 Size: 1/4" Threaded connections Issued: 11/13/2008

Rain Bird Corporation	Revision: 2008	Revision: 2008	Revision: 2008	Revision: 2008
Revision: 2008	Model: V-600 A & V-600	Model: 2711DPR	Model: Lawn Genie	Model: (LF) 188A
Model: 075-ASVF Size: 3/4 inch	AA Size: 3/4 inch	Size: 3/4 inch Issued: 8/2/1999	L4034 Issued: 8/2/1999	Size: 2-1/2 inch Issued: 9/6/1965
Issued: 5/12/1994	Exemption granted for	Amended: 12/1/2002,	Amended: 12/1/2002,	Amended: 12/29/2004,
Amended: 1/14/2004,	certain product marking	5/9/2005, 10/26/2010	5/9/2005, 10/26/2010	6/15/2009
1/29/2013	requirements.	D 2000		
Revision: 2008	Issued: 10/23/1988 Amended: 12/21/2009,	Revision: 2008 Model: 2713APR	WaterSaver Faucet Revision: 2008	Revision: 2008 Model: (LF) 188A
Model: 075-DAS	9/12/2017	Size: 1 inch	Model: L100	Size: 3 inch
Size: 3/4 inch		Issued: 8/2/1999	Issued: 2/28/2012	Issued: 9/6/1965
Issued: 5/12/1994	Revision: 2008	Amended: 12/1/2002,	D 2000	Amended: 12/29/2004,
Amended: 1/14/2004, 1/29/2013	Model: V-600-A & V- 600-AA	5/9/2005, 10/26/2010	Revision: 2008 Model: L101	6/15/2009
1/23/2013	Size: 1 1/2 inch	Revision: 2008	Issued: 2/28/2012	Revision: 2008
Revision: 2008	Exemption granted for	Model: 2713DPR		Model: (LF) 188A
Model: 100-ASVF	certain product marking	Size: 1 inch	Revision: 2008	Size: 3/4 inch
Size: 1 inch Issued: 5/12/1994	requirements. Issued: 10/23/1988	Issued: 8/2/1999 Amended: 12/1/2002,	Model: L102 Includes: L102WS,	Issued: 9/6/1965 Amended: 12/29/2004,
Amended: 1/14/2004,	Amended: 12/21/2009,	5/9/2005, 10/26/2010	L102WSA, L102ADJ,	6/15/2009
1/29/2013	9/12/2017		L102ADJ-WS, L102ADJ-	
Revision: 2008	Revision: 2008	Revision: 2008 Model: 54000	WSA, VR102WSA	Revision: 2008 Model: (LF) 288A ,
Model: 100-DAS	Model: V-600-A & V-	Size: 3/4 inch	Issued: 2/28/2012	288AC & 288ASC
Size: 1 inch	600-AA	Issued: 8/2/1999	Revision: 2008	Size: 1 inch
Issued: 5/12/1994	Size: 1 1/4 inch	Amended: 12/1/2002,	Model: L112	Issued: 9/6/1965
Amended: 1/14/2004, 1/29/2013	Exemption granted for certain product marking	5/9/2005, 10/26/2010	Includes: L112WS, L112WSA, L112ADJ,	Amended: 12/29/2004, 6/15/2009
1/23/2013	requirements.	Revision: 2008	L112ADJ-WS, L112ADJ-	0/13/2009
Sloan Valve Company	Issued: 10/23/1988	Model: 54000AVB	WSA, VR112, VR112WS	Revision: 2008
Revision: 2008	Amended: 12/21/2009,	Size: 3/4 inch	Issued: 2/28/2012	Model: (LF) 288A ,
Model: V-500-A & V- 500-AA	3/31/2011, 9/12/2017	Issued: 8/2/1999 Amended: 12/1/2002,	Revision: 2008	288AC & 288ASC Size: 1/2 inch
Size: 1 1/2 inch	T & S Brass & Bronze	5/9/2005	Model: L115	Issued: 9/6/1965
Exemption granted for	Works, Inc.		Issued: 2/28/2012	Amended: 12/29/2004,
certain product marking	Revision: 2008	Revision: 2008	Povision: 2008	6/15/2009
requirements. Issued: 10/23/1988	Model: B-0968 Size: 3/8 inch	Model: EZ-FLO - EZF 029- 03	Revision: 2008 Model: L115HAM	Revision: 2008
Amended: 3/31/2011,	Issued: 9/19/1996	Size: 3/4 inch AVB	Issued: 2/28/2012	Model: (LF) 288A ,
9/12/2017	Amended: 10/14/2008	Issued: 2/9/2001		288AC & 288ASC
Revision: 2008	Revision: 2008	Amended: 12/1/2002, 3/17/2005, 5/9/2005,	Revision: 2008 Model: VR100	Size: 1/4 inch Issued: 9/6/1965
Model: V-500-A & V-	Model: B-0969	10/25/2010, 10/26/2010	Issued: 2/28/2012	Amended: 12/29/2004,
500-AA	Size: 1/2 inch			6/15/2009
Size: 1 1/4 inch	(Also sold as Q015484-	Revision: 2008	Watts Regulator	Devision 2000
Exemption granted for certain product marking	40) Issued: 5/14/1986	Model: EZ-FLO - EZF 029- 04	Company Revision: 2008	Revision: 2008 Model: (LF) 288A ,
requirements.	Amended: 10/14/2008	Size: 1 inch AVB	Model: (LF) 188A	288AC & 288ASC
Issued: 10/23/1988		Issued: 2/9/2001	Size: 1 inch	Size: 3/4 inch
Amended: 9/12/2017	Toro Company Revision: 2008	Amended: 12/1/2002, 3/17/2005, 5/9/2005,	Issued: 9/6/1965 Amended: 12/29/2004,	Issued: 9/6/1965 Amended: 12/29/2004,
Revision: 2008	Model: 2706PR	10/25/2010, 10/26/2010	6/15/2009	6/15/2009
Model: V-500-A & V-	Size: 3/4 inc			
500-AA	Issued: 8/2/1999	Revision: 2008	Revision: 2008	Revision: 2008
Size: 1 inch Exemption granted for	Amended: 12/1/2002, 5/9/2005, 10/26/2010	Model: Lawn Genie L 4010	Model: (LF) 188A Size: 1-1/2 inch	Model: (LF) 288A , 288AC & 288ASC
certain product marking	37372003, 1072072010	Issued: 8/2/1999	Issued: 9/6/1965	Size: 3/8 inch
requirements.	Revision: 2008	Amended: 12/1/2002,	Amended: 12/29/2004,	Issued: 9/6/1965
Issued: 10/23/1988	Model: 2709PR Size: 1 inch	5/9/2005, 10/26/2010	6/15/2009	Amended: 12/29/2004,
Amended: 9/12/2017	Issued: 8/2/1999	Revision: 2008	Revision: 2008	6/15/2009
Revision: 2008	Amended: 12/1/2002,	Model: Lawn Genie L	Model: (LF) 188A	Revision: 2008
Model: V-500-A & V-	5/9/2005, 10/26/2010	7010	Size: 1-1/4 inch	Model: (LF) 288AM2
500-AA Size: 3/4 inch	Revision: 2008	Issued: 8/2/1999 Amended: 12/1/2002,	Issued: 9/6/1965 Amended: 12/29/2004,	Size: 1-1/2 inch Issued: 9/6/1965
Exemption granted for	Model: 2711APR	5/9/2005, 10/26/2010	6/15/2009	Amended: 12/29/2004,
certain product marking	Size: 3/4 inch			6/15/2009
requirements.	Issued: 8/2/1999	Revision: 2008	Revision: 2008	Devision: 2000
Issued: 10/23/1988 Amended: 9/12/2017	Amended: 12/1/2002, 5/9/2005, 10/26/2010	Model: Lawn Genie L 7034	Model: (LF) 188A Size: 2 inch	Revision: 2008 Model: (LF) 288AM2
, and a car 5/ 12/ 2017	5, 5, 2005, 10, 20, 2010	Issued: 8/2/1999	Issued: 9/6/1965	Size: 1-1/4 inch
		Amended: 12/1/2002,	Amended: 12/29/2004,	Issued: 9/6/1965
		5/9/2005, 10/26/2010	6/15/2009	Amended: 12/29/2004, 6/15/2009
				0/13/2003
	'	•	'	1

Model: 288A-DM & (LF) Model: (LF) 288AM2 Model: 35 & 35XL 288A-DM Size: 2 inch Size: 2 inch Issued: 9/6/1965 Amended: 12/29/2004, Size: 1/2 Issued: 8/8/1995 Issued: 8/17/2006 Amended: 11/29/2011, 6/15/2009 Amended: 12/29/2004, 8/10/2017 6/15/2009 Revision: 2008 Revision: 2008 Model: (LF) 288AM2 Model: 35 & 35XL Revision: 2008 Model: 288A-DM & (LF) Size: 2-1/2 inch Size: 3/4 inch Issued: 8/8/1995 Amended: 11/29/2011, Issued: 9/6/1965 288A-DM Amended: 12/29/2004, Size: 3/4 6/15/2009 Issued: 8/17/2006 8/10/2017 Amended: 12/29/2004, Revision: 2008 Revision: 2008 6/15/2009 Model: (LF) 288AM2 Model: 35 & 35XL Size: 3 inch Revision: 2008 Size: 3/8 inch Issued: 8/8/1995 Issued: 9/6/1965 Model: 288A-HT & (LF) Amended: 12/29/2004, 288A-HT Amended: 11/29/2011, Size: 3/4", 1/2", 3/8" 6/15/2009 8/10/2017 NPT Issued: 5/15/2007 Revision: 2008 Revision: 2008 Model: (LF) 288AM4, Amended: 12/29/2004, Model: 35VCH & 288ACM4, 288ASCM4 6/15/2009 35XLVCH Size: 1 inch Size: 1/4 inch Issued: 9/6/1965 Amended: 12/29/2004, Issued: 8/8/1995 Revision: 2008 Amended: 11/29/2011, Model: 288A-HTDM & (LF) 288A-HTDM Size: 3/4" & 1/2" NPT 6/15/2009 8/10/2017 Issued: 5/15/2007 Revision: 2008 Zurn Industries, Inc. Amended: 12/29/2004, 6/15/2009 Model: (LF) 289 Size: 1/2 inch Revision: 2008 Model: Aquaflush Z-Issued: 9/6/1965 6000 series Amended: 12/29/2004, Revision: 2008 Size: 1-1/2 inch Model: 288A-Z38 & (LF) 6/15/2009 Issued: 11/9/1989 288A-Z38 Size: 3/4 inch Issued: 9/6/1965 Amended: 7/7/2017 Revision: 2008 Revision: 2008 Model: (LF) 289 Size: 3/8 inch Model: Aquaflush Z-6000 series Issued: 9/6/1965 Size: 1-1/4 inch Amended: 12/29/2004, Issued: 11/9/1989 Wilkins / A Division of 6/15/2009 Zurn Revision: 2008 Revision: 2008 Revision: 2008 Model: (LF) N-388 Size: 1/4 inch Model: 35 & 35XL Model: Aquaflush Z-Size: 1 inch 6000 series Size: 3/4 inch Issued: 8/8/1995 (C) for chrome finish, Amended: 11/29/2011, Issued: 11/9/1989 8/7/2017, 8/10/2017 (SC) for satin chrome Revision: 2008 Issued: 9/6/1965 Revision: 2008 Model: P-6000-B-SK Amended: 12/29/2004, Model: 35 & 35XL Size: 1 1/4" 6/15/2009, 7/7/2017 Size: 1/2 inch Issued: 8/18/2010 Issued: 8/8/1995 Amended: 11/29/2011, Revision: 2008 Revision: 2008 Model: (LF) N-388 Size: 3/8 inch 8/7/2017, 8/10/2017 Model: P-6000-B-SK Size: 3/4" (C) for chrome finish, Revision: 2008 Issued: 8/18/2010 Model: 35 & 35XL Size: 1/4 inch (SC) for satin chrome Issued: 8/8/1995 Issued: 9/6/1965 STANDARD #ASSE 1002 Amended: 12/29/2004, Amended: 11/29/2011, 6/15/2009, 7/7/2017 8/10/2017 ASSE 1002-2015/ASME A112.1002-2015/CSA Revision: 2008 Revision: 2008 B125.12-15 Anti-Siphon Model: 35 & 35XL Size: 1-1/2 inch Model: 288A-DM & (LF) Fill Valves 288A-DM ASSE-2015 Size: 1" Issued: 8/8/1995 Issued: 8/17/2006 Amended: 11/29/2011, WDI Technology Amended: 12/29/2004, 8/10/2017 Revision: 2015 6/15/2009 Model: B3300-Y Revision: 2008 Issued: 9/22/2016 Model: 35 & 35XL Size: 1-1/4 inch Issued: 8/8/1995 Amended: 11/29/2011, 8/10/2017 ASSE Seal Authorizations - January 23, 2019

Revision: 2008

Revision: 2008

Revision: 2008

finish

finish

Revision: 2015 Model: B3310-Y Size: 15/16-14 UNS-1 Issued: 2/12/2018

Revision: 2015 Model: B3910 Size: 1/2 - 14 NPSM Issued: 2/12/2018

Danco, Inc Revision: 2008 Model: HydroClean Includes HC550, HC660, HC630 Issued: 6/14/2007 Amended: 4/5/2011, 4/18/2011

Fluidmaster Inc Revision: 2008 Model: 300 Size: 15/16 Issued: 4/13/2007 Amended: 2/7/2008, 3/8/2010, 4/13/2010

Revision: 2008 Model: 300A Size: 15/16' Issued: 4/13/2007

Revision: 2008 Model: 350 Size: 15/16' Issued: 8/26/2015

Revision: 2008 Model: 400 w/ suffix options of A, AR, B, xB, xxB, xxxB, C, CC, D, EZi, FS, G, HP, HR, K, 1LG, 2LG, 3LG, 4LG, LS, P, R, U, 133, or numeric code for valve options (Home Depot: W43LS, W43CPXX W43AKPXX/Lowes: 401LG, 402LG, 403LG, 404LG) Issued: 7/25/2011 Amended: 11/14/2003, 9/12/2005, 5/2/2006, 11/8/2006, 12/23/2009, 10/7/2010, 7/25/2011

Revision: 2008 Model: 400UK122B Issued: 7/11/2000

Revision: 2008 Model: 747A w/ suffix options of xB, xxB, xxxB (x= numeric code representing valve options) Issued: 10/12/2009 Amended: 3/29/2011

Revision: 2008 Model: 747A Size: 15/16-14NS-1 Issued: 10/27/2003 Amended: 7/30/2007, 3/29/2011

Revision: 2008 Model: 747E21B Size: EN ISO 228-1 G3/8B Issued: 10/27/2003

Revision: 2008 Model: 747UK118B Size: EN ISO 228-1 G1/2B Issued: 10/27/2003

Revision: 2008 Model: 747UK127B Size: EN ISO 228-1 G1/2B Issued: 5/7/2014

Revision: 2008 Model: PRO45 Series w/ suffix options of A, AR, B, xB, xxB, xxxB, xxxB, C, CC, D, G, HP, HR, K, 1LG, 2LG, 3LG, 4LG, LS, P, R, U, 133, or numeric code for valve options Issued: 5/24/2006 Amended: 11/14/2003, 5/2/2006, 5/29/2008, 10/7/2010, 7/25/2011, 7/25/2011

Kohler Company Revision: 2008 Model: 1138930 / 1083228 Issued: 8/1/2018 Amended: 8/1/2018

Lavelle Industries Revision: 2008 Model: 528 Size: 15/16 ballcock Includes additional part number 528T Issued: 12/24/1997 Amended: 12/3/2002, 7/28/2010

Revision: 2008 Model: 528Z Issued: 8/15/2009

Mansfield Plumbing Products Revision: 2008 Model: 08 Issued: 10/12/2001

Oatey Company Revision: 2008 Model: 090214 Issued: 7/21/2010

WDI Technology Revision: 2008 Model: B1025 Size: 15/16 inch Adjustable Shank Issued: 2/6/2001 Amended: 12/20/2004

Revision: 2008 Model: B1026 Size: 15/16 inch Issued: 2/6/2001 Amended: 12/20/2004

Revision: 2008	Revision: 2008	Ademco Inc. /	Revision: 2009	Revision: 2009
Model: B1046	Model: B3833 & B3833E	Honeywell	Model: FK06	Model: 36 E & 36 E-
Size: 15/16 inch	Size: 15/16 inch	Revision: 2009	Size: 1 inch	LFSeries (PRE & PRE-LF)
Issued: 2/6/2001	Fixed shank	Model: DS06	FK06-102-DUS-LF, FK06-	Size: 1"
Amended: 12/20/2004	Issued: 2/6/2001	Size: 1 inch	102-DUT-LF	Issued: 7/15/1997
	Amended: 12/20/2004	DS06-1LF, DS06-102-	Issued: 12/7/2016	Amended: 6/19/2018
Revision: 2008		SUS-LF, DS06-102-SUT-	Amended: 4/24/2018,	
Model: B2026	Revision: 2008	LF, DSÓ6-102-DUS-LF,	10/5/2018	Revision: 2009
Size: 15/16 inch	Model: B3833L	DS06-102-DUT-LF, DS06-		Model: 36 E & 36 E-
Issued: 2/6/2001	Size: 15/16 inch	102-LF	Revision: 2009	LFSeries (PRE & PRE-LF)
Amended: 12/20/2004	Issued: 2/6/2001	Issued: 12/7/2016	Model: FK06	Size: 1/2"
		Amended: 4/24/2018,	Size: 1-1/4 inch	Issued: 7/15/1997
Revision: 2008	Revision: 2008	10/5/2018	FK06-103-DUS-LF, FK06-	Amended: 6/19/2018
Model: B2046	Model: B3834 & B3834E		103-DUT-LF	
Size: 15/16 inch	Size: 15/16 inch	Revision: 2009	Issued: 12/7/2016	Revision: 2009
Issued: 2/6/2001	Fixed shank	Model: DS06	Amended: 4/24/2018,	Model: 36 E & 36 E-
Amended: 12/20/2004	Issued: 2/6/2001	Size: 1/2 inch	10/5/2018	LFSeries (PRE & PRE-LF)
	Amended: 12/20/2004	DS06-1/2LF, DS06-100-		Size: 1-1/2"
Revision: 2008	P. 1.1. P2222	SUS-LF, DS06-100-SUT-	Revision: 2009	Issued: 7/15/1997
Model: B3046	Revision: 2008	LF, DS06-100-DUS-LF,	Model: FK06	Amended: 6/19/2018
Size: 15/16 inch	Model: B3834L 15/16	DS06-100-DUT-LF, DS06-	Size: 3/4 inch	Devision 2000
Issued: 2/6/2001	inch	100-LF	FK06-101-DUS-LF, FK06-	Revision: 2009
Amended: 12/20/2004	Size: 15/16 inch	Issued: 12/7/2016	101-DUT-LF	Model: 36 E & 36 E-
Devision 2000	Issued: 2/6/2001	Amended: 4/24/2018,	Issued: 12/7/2016	LFSeries (PRE & PRE-LF)
Revision: 2008	Devision 2000	10/5/2018	Amended: 4/24/2018,	Size: 1-1/4"
Model: B3111	Revision: 2008	Devision, 2000	10/5/2018	Issued: 7/15/1997
Size: 15/16 inch	Model: B3835 & B3835E	Revision: 2009	An alla Mahara /	Amended: 6/19/2018
Issued: 2/6/2001	Size: 15/16 inch	Model: DS06	Apollo Valves /	Devision: 2000
Amended: 12/20/2004	Fixed shank	Size: 1-1/2 inch	Conbraco Industries	Revision: 2009
Devision: 2008	Issued: 2/6/2001	DS06-11/2LF, DS06-104-	Revision: 2009	Model: 36 E & 36 E-
Revision: 2008 Model: B3121	Amended: 12/20/2004	SUS-LF, DS06-104-SUT-	Model: 36 & 36	LFSeries (PRE & PRE-LF) Size: 2"
	Revision: 2008	LF, DS06-104-DUS-LF,	LF(Model PR & PR-LF) Size: 1 inch	Issued: 7/15/1997
Size: 15/16 inch Issued: 2/6/2001	Model: B3835L	DS06-104-DUT-LF, DS06- 104-LF	Issued: 7/15/1997	Amended: 6/19/2018
Amended: 12/20/2004	Size: 15/16 inch	Issued: 12/7/2016	Amended: 6/19/2018	Amenueu. 0/15/2018
Amenueu. 12/20/2004	Issued: 2/6/2001	Amended: 4/24/2018,	Amenueu. 0/13/2018	Revision: 2009
Revision: 2008	1350Eu. 2/0/2001	10/5/2018	Revision: 2009	Model: 36 E & 36 E-
Model: B3260	Revision: 2008	10/3/2018	Model: 36 & 36	LFSeries (PRE & PRE-LF)
Size: 15/16 inch	Model: B3836 & B3836E	Revision: 2009	LF(Model PR & PR-LF)	Size: 3/4"
Issued: 2/6/2001	Size: 15/16 inch	Model: DS06	Size: 1/2 inch	Issued: 7/15/1997
135464. 27 07 2001	Fixed shank	Size: 1-1/4 inch	Issued: 7/15/1997	Amended: 6/19/2018
Revision: 2008	Issued: 2/6/2001	DS06-11/4LF, DS06-103-	Amended: 6/19/2018	/ included: 0/13/2010
Model: B3800 & B3800E	Amended: 12/20/2004	SUS-LF, DS06-103-SUT-	, incluce. 0, 13, 2010	Revision: 2009
Size: 15/16 inch	, inchaca: 12, 20, 200 f	LF, DS06-103-DUS-LF,	Revision: 2009	Model: 36C & 36C LF
Adjustable shank	Revision: 2008	DS06-103-DUT-LF, DS06-	Model: 36 & 36	(Model PRC & PRC-LF)
Issued: 2/6/2001	Model: B3836L	103-LF	LF(Model PR & PR-LF)	Size: 1 inch
Amended: 12/20/2004	Size: 15/16 inch	Issued: 12/7/2016	Size: 1-1/2 inch	Issued: 7/15/1997
, , , ,	Issued: 2/6/2001	Amended: 4/24/2018,	Issued: 7/15/1997	Amended: 6/19/2018
Revision: 2008		10/5/2018	Amended: 6/19/2018	
Model: B3800L			, ,	Revision: 2009
Size: 15/16 inch	STANDARD #ASSE	Revision: 2009	Revision: 2009	Model: 36C & 36C LF
Issued: 5/21/2014	1003	Model: DS06	Model: 36 & 36	(Model PRC & PRC-LF)
	Water Pressure	Size: 2 inch	LF(Model PR & PR-LF)	Size: 1/2 inch
Revision: 2008	Reducing Valves for	DS06-2LF, DS06-105-	Size: 1-1/4 inch	Issued: 7/15/1997
Model: B3831 & B3831E	Domestic Water	SUS-LF, DS06-105-SUT-	Issued: 7/15/1997	Amended: 6/19/2018
Size: 15/16 inch	Distribution Systems	LF, DS06-105-DUS-LF,	Amended: 6/19/2018	
Fixed Shank	ASSE-2009	DS06-105-DUT-LF, DS06-		Revision: 2009
Issued: 2/6/2001		105-LF	Revision: 2009	Model: 36C & 36C LF
Amended: 12/20/2004	A. Y. McDonald Mfg. Co.	Issued: 12/7/2016	Model: 36 & 36	(Model PRC & PRC-LF)
Devision 2000	Revision: 2009	Amended: 4/24/2018,	LF(Model PR & PR-LF)	Size: 3/4 inch
Revision: 2008	Model: 72600T (NL1201)	10/5/2018	Size: 2 inch	Issued: 7/15/1997
Model: B3831L	Size: with 1/2", 3/4" &	Devision 2000	Issued: 7/15/1997	Amended: 6/19/2018
Size: 15/16 inch	1" connections	Revision: 2009	Amended: 6/19/2018	Devision: 2000
Issued: 2/6/2001	Issued: 2/3/2010	Model: DS06	Devision: 2000	Revision: 2009
Revision: 2008	Amended: 2/25/2013	Size: 3/4 inch	Revision: 2009	Model: 36H & 36HLF
Model: B3832 & B3832E		DS06-3/4LF, DS06-101-	Model: 36 & 36	(Model PRH & PRH-LF) Size: 1 inch
Size: 15/16 inch	Revision: 2009	SUS-LF, DS06-101-SUT- LF, DS06-101-DUS-LF,	LF(Model PR & PR-LF) Size: 3/4 inch	Threaded & Flanged
Fixed Shank	Model: 72601 1/2x1/2,	DS06-101-DUT-LF, DS06-	Issued: 7/15/1997	Issued: 7/15/1997
Issued: 2/6/2001	3/4x3/4, 1x1 - 72602	101-LF	Amended: 6/19/2018	Amended: 8/19/2010,
Amended: 12/20/2004	1/2x1/2, 3/4x3/4, 1x1	Issued: 12/7/2016	Amenucu. 0/13/2010	11/19/2010
Amenueu. 12/20/2004	Issued: 2/3/2010	Amended: 4/24/2018,		11/13/2010
Revision: 2008		10/5/2018		
Model: B3832L		10, 0, 2010		
Size: 15/16 inch				
Issued: 2/6/2001				
ASSE Seal Authorizations -	January 23, 2019	1		Page 10

Revision: 2009	SU-SWT-C (w/ CxC	Revision: 2009	Revision: 2009	Revision: 2009
Model: 36H & 36HLF	conn.)	Model: E Series 3 & E-	Model: EB 5 (U, C)	Model: EB25-400 (U)
(Model PRH & PRH-LF)	Size: 1/2"	3LF (U, B/U, B/C)	Size: 2 1/2 inch	Size: 1/2 inch
Size: 1/2 inch	Issued: 10/2/2008	Size: 1-1/4 inch	Issued: 7/22/1967	Issued: 7/22/1967
Threaded & Flanged Issued: 7/15/1997	Amended: 2/2/2010, 8/19/2010	Issued: 7/22/1967 Amended: 1/10/2008,	Amended: 1/10/2008, 4/29/2008, 8/19/2010	Amended: 1/10/2008, 8/19/2010
Amended: 8/19/2010,	8/19/2010	4/29/2008, 8/19/2010	4/23/2008, 8/13/2010	8/19/2010
11/19/2010	Revision: 2009	1/23/2000, 0/23/2010	Revision: 2009	Revision: 2009
	Model: PRV.75-DU-SWT-	Revision: 2009	Model: EB25 (U, DU) &	Model: EB25-400 (U,
Revision: 2009	C w/ CxC conn.	Model: E Series 3 & E-	EB25LF (U, DU, UC)	DU)
Model: 36H & 36HLF	Size: 3/4"	3LF (U, B/U, B/C)	Size: 1 1/2 inch	Size: 1 inch Issued: 7/22/1967
(Model PRH & PRH-LF) Size: 1-1/2 inch	Issued: 10/2/2008 Amended: 2/2/2010,	Size: 2 inch Issued: 7/22/1967	EB25LF (U, DU, UC) has lead content equal to or	Amended: 1/10/2008,
Threaded & Flanged	8/19/2010	Amended: 1/10/2008,	less than 0.25%	8/19/2010
Issued: 7/15/1997		4/29/2008, 8/19/2010	Issued: 7/22/1967	
Amended: 8/19/2010,	Revision: 2009		Amended: 1/10/2008,	Revision: 2009
11/19/2010	Model: PRV.75-SU-IPS-C	Revision: 2009 Model: E Series 3 & E-	6/30/2010, 8/19/2010	Model: EB25-400 (U,
Revision: 2009	(w/ IPS conn.) & PRV.75- SU-SWT-C (w/ CxC	3LF (U, B/U, B/C)	Revision: 2009	DU) Size: 3/4 inch
Model: 36H & 36HLF	conn.)	Size: 3/4 inch	Model: EB25 (U, DU) &	Issued: 7/22/1967
(Model PRH & PRH-LF)	Size: 3/4"	Issued: 7/22/1967	EB25LF (U, DU, UC)	Amended: 1/10/2008,
Size: 1-1/4 inch	Issued: 10/2/2008	Amended: 1/10/2008,	Size: 1 1/4 inch	8/19/2010
Threaded & Flanged	Amended: 2/2/2010,	4/29/2008, 8/19/2010	EB25LF (U, DU, UC) has	Devision: 2000
Issued: 7/15/1997 Amended: 8/19/2010,	8/19/2010	Revision: 2009	lead content equal to or less than 0.25%	Revision: 2009 Model: EB25-SS (D, DU)
11/19/2010	Revision: 2009	Model: E41 Series 3 & E-	Issued: 7/22/1967	Size: 1 inch
11, 13, 2010	Model: PRV1.00-DU-	41LF (U, B/U, B/C)	Amended: 1/10/2008,	Issued: 7/22/1967
Revision: 2009	SWT-C w/ CxC conn.	Size: 1 inch	6/30/2010, 8/19/2010	Amended: 1/10/2008,
Model: 36H & 36HLF	Size: 1"	Issued: 7/22/1967	D 2000	8/19/2010
(Model PRH & PRH-LF) Size: 2 inch	Issued: 10/2/2008 Amended: 2/2/2010,	Amended: 1/10/2008, 4/29/2008, 8/19/2010	Revision: 2009 Model: EB25 (U, DU) &	Revision: 2009
Threaded & Flanged	8/19/2010	4/29/2008, 8/19/2010	EB25LF (U, DU, UC)	Model: EB25-SS (D, DU)
Issued: 7/15/1997	0,10,2010	Revision: 2009	Size: 1/2 inch	Size: 3/4 inch
Amended: 8/19/2010,	Revision: 2009	Model: E41 Series 3 & E-	EB25LF (U, DU, UC) has	Issued: 7/22/1967
11/19/2010	Model: PRV1.00-SU-IPS-	41LF (U, B/U, B/C)	lead content equal to or	Amended: 1/10/2008,
Revision: 2009	C (w/ IPS conn.) & PRV1.00-SU-SWT-C (w/	Size: 1/2 inch Issued: 7/22/1967	less than 0.25% Issued: 7/22/1967	8/19/2010
Model: 36H & 36HLF	CxC conn.)	Amended: 1/10/2008,	Amended: 1/10/2008,	Revision: 2009
(Model PRH & PRH-LF)	Size: 1"	4/29/2008, 8/19/2010	6/30/2010, 8/19/2010	Model: EB35
Size: 2-1/2 inch	Issued: 10/2/2008			Size: 1 inch
Threaded & Flanged	Amended: 2/2/2010,	Revision: 2009	Revision: 2009	(NPT F, U inlet x NPT F
Issued: 7/15/1997 Amended: 8/19/2010,	8/19/2010	Model: E41 Series 3 & E- 41LF (U, B/U, B/C)	Model: EB25 (U, DU) & EB25LF (U, DU, UC)	outlet, NPT F inlet x U outlet, DU, DPE)
11/19/2010	Revision: 2009	Size: 1-1/2 inch	Size: 2 inch	Issued: 7/22/1967
	Model: PRV-C Series	Issued: 7/22/1967	EB25LF (U, DU, UC) has	Amended: 1/10/2008,
Revision: 2009	Size: 1 1/4", 1 1/2" & 2"	Amended: 1/10/2008,	lead content equal to or	8/19/2010
Model: 36H & 36HLF	inlets & outlets	4/29/2008, 8/19/2010	less than 0.25%	Devision: 2000
(Model PRH & PRH-LF) Size: 3 inch	Issued: 1/25/2010 Amended: 8/19/2010	Revision: 2009	Issued: 7/22/1967 Amended: 1/10/2008,	Revision: 2009 Model: EB35
Threaded & Flanged	Amended: 0/15/2010	Model: E41 Series 3 & E-	6/30/2010, 8/19/2010	Size: 1/2 inch
Issued: 7/15/1997	Cash Acme / Reliance	41LF (U, B/U, B/C)		(NPT F, U inlet x NPT F
Amended: 8/19/2010,	Worldwide Corp	Size: 1-1/4 inch	Revision: 2009	outlet, NPT F inlet x U
11/19/2010	Revision: 2009 Model: E Series 3 & E-	Issued: 7/22/1967	Model: EB25 (U, DU, DPE) & EB25LF (U, DU,	outlet, DU)
Revision: 2009	3LF (U, B/U, B/C)	Amended: 1/10/2008, 4/29/2008, 8/19/2010	UC, DPE)	Issued: 7/22/1967 Amended: 1/10/2008,
Model: 36H & 36HLF	Size: 1 inch	, _0, _000, 0, 10, 2010	Size: 1 inch	8/19/2010
(Model PRH & PRH-LF)	Issued: 7/22/1967	Revision: 2009	EB25LF (U, DU, UC, DPE)	
Size: 3/4 inch Threaded & Flanged	Amended: 1/10/2008,	Model: E41 Series 3 & E-	has lead content equal	Revision: 2009
Inreaded & Flanged Issued: 7/15/1997	4/29/2008, 8/19/2010	41LF (U, B/U, B/C) Size: 2 inch	to or less than 0.25% Issued: 7/22/1967	Model: EB35 Size: 3/4 inch
Amended: 8/19/2010,	Revision: 2009	Issued: 7/22/1967	Amended: 1/10/2008,	(NPT F, U inlet x NPT F
11/19/2010	Model: E Series 3 & E-	Amended: 1/10/2008,	6/30/2010, 8/19/2010	outlet, NPT F inlet x U
	3LF (U, B/U, B/C)	4/29/2008, 8/19/2010	Devision 2000	outlet, DU, DPE)
BEECO (division of MIFAB, Inc.)	Size: 1/2 inch Issued: 7/22/1967	Revision: 2009	Revision: 2009 Model: EB25 (U, DU,	Issued: 7/22/1967 Amended: 1/10/2008,
Revision: 2009	Amended: 1/10/2008,	Model: E41 Series 3 & E-	DPE) & EB25LF (U, DU,	8/19/2010
Model: PRV.50-DU-SWT-	4/29/2008, 8/19/2010	41LF (U, B/U, B/C)	UC, DPE)	
C w/ CxC conn.		Size: 3/4 inch	Size: 3/4 inch	
Size: 1/2"	Revision: 2009	Issued: 7/22/1967	EB25LF (U, DU, UC, DPE)	
Issued: 10/2/2008 Amended: 2/2/2010,	Model: E Series 3 & E- 3LF (U, B/U, B/C)	Amended: 1/10/2008, 4/29/2008, 8/19/2010	has lead content equal to or less than 0.25%:	
8/19/2010	Size: 1-1/2 inch	.,,,,, _, _, _, _, _, _, _, _	Issued: 7/22/1967	
	Issued: 7/22/1967		Amended: 1/10/2008,	
Revision: 2009	Amended: 1/10/2008,		6/30/2010, 8/19/2010	
Model: PRV.50-SU-IPS-C (w/ IPS conn.) & PRV.50-	4/29/2008, 8/19/2010			
	1	I	1	1

Revision: 2009 Model: EB45 & EB45LF (D, U, C, DU, UC, DPE) Size: 1 inch EB45LF (D, U, C, DU, UC, DPE) has lead content equal to or less than 0.25% Issued: 7/22/1967 Amended: 1/10/2008, 12/7/2009, 6/30/2010, 8/19/2010 outlet) Revision: 2009 Model: EB45 & EB45LF (D, U, C, DU, UC, DPE) Size: 3/4 inch EB45LF (D, U, C, DU, UC, DPE) has lead content equal to or less than 0.25% Issued: 7/22/1967 Amended: 1/10/2008, 12/7/2009, 6/30/2010, 8/19/2010 Revision: 2009 Model: EB45 & EB45LF (D, U, C, DU, UC) Size: 1 1/2 inch EB45LF (D, U, C, DU, UC) has lead content equal to or less than 0.25% Issued: 7/22/1967 Amended: 1/10/2008, 6/30/2010, 8/19/2010 Revision: 2009 Model: EB45 & EB45LF (D, U, C, DU, UC) Size: 1 1/4 inch EB45LF (D, U, C, DU, UC) has lead content equal to or less than 0.25% Issued: 7/22/1967 Amended: 1/10/2008, 6/30/2010, 8/19/2010 Revision: 2009 Model: EB45 & EB45LF (D, U, C, DU, UC) Size: 1/2 inch EB45LF (D, U, C, DU, UC) has lead content equal to or less than 0.25% Issued: 7/22/1967 Amended: 1/10/2008, 12/7/2009, 6/30/2010, 8/19/2010 Revision: 2009

Model: EB45 & EB45LF (D, U, C, DU, UC) Size: 2 inch EB45LF (D, U, C, DU, UC) has lead content equal to or less than 0.25% Issued: 7/22/1967 Amended: 1/10/2008, 6/30/2010, 8/19/2010

Revision: 2009 Model: EB45 (23880-0045, 23882-0045, 23884-0045, 23807-0045 23893-0045) Size: 1/2" DSB (1/2" SharkBite™ Push-Fit fittings inlet and outlet); DUSB (1/2' union SharkBite[™] Push-Fit fittings inlet and Issued: 9/13/2012 Revision: 2009 Model: EB45 (23881-0045, 23883-0045, 23887-0045, 23885-0045, 23889-0045, 23808-0045, 23894-0045, 23890-0045, 23891-0045) Size: 3/4" EB45 - DSB (3/4" Direct SharkBite™ Push-Fit fittings inlet and outlet); DUSB (3/4" double union SharkBite™ Push-Fit fittings inlet and outlet); Issued: 9/13/2012 Revision: 2009 Model: EB5 (U, C) Size: 1 1/2 inch Issued: 7/22/1967 Amended: 1/10/2008, 4/29/2008, 8/19/2010 Revision: 2009 Model: EB5 (U, C) Size: 1 1/4 inch Issued: 7/22/1967 Amended: 1/10/2008, 4/29/2008, 8/19/2010 Revision: 2009 Model: EB5 (U, C) Size: 1 inch Issued: 7/22/1967 Amended: 1/10/2008, 4/29/2008, 8/19/2010 Revision: 2009 Model: EB5 (U, C) Size: 1/2 inch Issued: 7/22/1967 Amended: 1/10/2008, 4/29/2008, 8/19/2010 Revision: 2009 Model: EB5 (U, C) Size: 2 inch Issued: 7/22/1967 Amended: 1/10/2008, 4/29/2008, 8/19/2010 Revision: 2009 Model: EB5 (U, C) Size: 3/4 inch Issued: 7/22/1967 Amended: 1/10/2008, 4/29/2008, 8/19/2010

Flomatic Corporation Revision: 2009 Model: C150E Size: 1 1/2" With: E - Union End, ET -NPT Threads, EBSP - BSP Threads, EC- Copper Sweat, EB-Barbed Issued: 1/25/2010 Amended: 8/19/2010 Revision: 2009 Model: C150E Size: 1 1/4" with E (Union End), ET (NPT Threads), EBSP (BSP threads), EC (Copper Sweat), EB (Barbed) İssued: 6/17/2008 Amended: 8/19/2010 Revision: 2009 Model: C150E Size: 1 With: E - Union End, ET -NPT Threads, EBSP - BSP Threads, EC- Copper Sweat, EB-Barbed Issued: 1/10/2006 Amended: 8/19/2010 Revision: 2009 Model: C150E Size: 1/2" With: E - Union End, ET -NPT Threads, EBSP - BSP Threads, EC- Copper Sweat, EB-Barbed Issued: 1/10/2006 Amended: 8/19/2010 Revision: 2009 Model: C150E Size: 2" With: E - Union End, ET -NPT Threads, EBSP - BSP Threads, EC- Copper Sweat, EB-Barbed Issued: 1/25/2010 Amended: 8/19/2010 Revision: 2009 Model: C150E Size: 3/4' With: E - Union End, ET -NPT Threads, EBSP - BSP Threads, EC- Copper Sweat, EB-Barbed Issued: 1/10/2006 Amended: 8/19/2010 Revision: 2009 Model: C150EHF Size: 1 1/4" With: E - Union End, ET -NPT Threads, EBSP - BSP Threads, EC- Copper Sweat, ÉB-Barbed Issued: 1/25/2010 Amended: 8/19/2010

Fu San Machinery Co., Ltd Revision: 2009 Model: F1201 & NL1201 - 1/2" x 1/2" & 3/4" x 3/4" NPT connections Lead Content less than or equal to .25% on model NL1201 Issued: 3/3/2005 Amended: 5/28/2008, 6/24/2010, 8/19/2010 Revision: 2009 Model: F1201 & NL1201 -1" x 1" NPT Connections Lead Content less than or equal to .25% on model NL1201 Issued: 3/3/2005 Amended: 5/28/2008, 6/24/2010, 8/19/2010 Revision: 2009 Model: F1201C & NL1201C - 1/2" x 1/2", 3/4" x 3/4" and 1" x 1" NPT connections Lead Content less than or equal to .25% on model NL1201C Issued: 3/3/2005 Revision: 2009 Model: F1202C & NL1202C -1" double union end connections (WT includes 1/4 female tap option) Lead Content less than or equal to .25% on model NL1202C & NL1202CWT Issued: 11/22/2005 Amended: 5/28/2008, 6/24/2010, 8/19/2010 Revision: 2009 Model: F1202C & NL1202C -1/2" x 1/2" & 3/4" x 3/4' Double Union End Connections (WT includes 1/4" female tap option) Lead Content less than or equal to .25% on model NL1202C & NL1202CWT Issued: 11/22/2005 Amended: 5/28/2008, 6/24/2010, 8/19/2010 Revision: 2009 Model: NL1201C/FXF 1/2" x 1/2", 3/4" x 3/4" and 1" x 1" Female x Female NPT Lead Content less than or equal to .25% Issued: 12/10/2014

Legend Revision: 2009 Model: T6800 Size: 1" with 1" inlet x 1" outlet Issued: 4/28/2005 Amended: 8/19/2010 Revision: 2009 Model: T6800 Size: 1/2' with 1/2" inlet x 1/2" outlet Issued: 4/28/2005 Amended: 8/19/2010 Revision: 2009 Model: T6800 Size: 3/4' with 3/4" union with 3/4" NPT inlet and 3/4" NPT outlet Issued: 4/28/2005 Amended: 8/19/2010 Revision: 2009 Model: T6801 Size: 1 Issued: 1/11/2006 Amended: 8/19/2010 Revision: 2009 Model: T6801 Size: 1/2 Issued: 1/11/2006 Amended: 8/19/2010 Revision: 2009 Model: T6801 Size: 3/4" Issued: 1/11/2006 Amended: 8/19/2010 Revision: 2009 Model: T6801UE Size: 1" Union end inlet & outlet Issued: 1/11/2006 Amended: 8/19/2010 Revision: 2009 Model: T6801UE

Model: T6801UE Size: 1/2" Union end inlet & outlet Issued: 1/11/2006 Amended: 8/19/2010

Revision: 2009 Model: T6801UE Size: 3/4" Union end inlet & outlet Issued: 1/11/2006 Amended: 8/19/2010

Taco, Inc. Revision: 2009 Model: 3350 Size: 1/2" -3 Sweat connection; -H3 Press connect; -T3 NPT Issued: 9/29/2010 Amended: 5/25/2017

Watts Regulator Revision: 2009 Company Model: LF-25AUB (D, G, S, DU, Z3, SC, PEX, CPVC, Revision: 2009 Model: LF-223(B, G, S, U, DU, Z3, SC, PEX) Size: 1 1/2 inch QC) Size: 1/2 inch Issued: 1/28/1998 Issued: 2/23/2009 Amended: 6/17/2016 Amended: 12/29/2004, 8/19/2010 Revision: 2009 Model: LF-25AUB (D, G, S, DU, Z3, SC, PEX, CPVC, Revision: 2009 Model: LF-223(B, G, S, U, DU, Z3, SC, PEX) QC) Size: 2 inch Size: 1 1/4 inch Issued: 2/23/2009 Issued: 1/28/1998 Amended: 6/17/2016 Amended: 12/29/2004, Revision: 2009 Model: LF-25AUB (D, G, S, DU, Z3, Z6, SC, PEX, 8/19/2010 Revision: 2009 Model: LF-223(B, G, S, U, DU, Z3, SC, PEX) CPVC, QC) Size: 1 inch Issued: 1/28/1998 Size: 1 inch Issued: 2/23/2009 Amended: 6/17/2016 Amended: 12/29/2004, 12/28/2009, 8/19/2010 Revision: 2009 Model: LF-25AUB (D, G, S, DU, Z3, Z6, SC, PEX, Revision: 2009 Model: LF-223(B, G, S, U, DU, Z3, SC, PEX) CPVC, QC) Size: 3/4 inch Issued: 1/28/1998 Size: 1/2 inch Amended: 6/17/2016 Issued: 2/23/2009 Amended: 12/29/2004, 12/28/2009, 8/19/2010 Revision: 2009 Model: LF-N223B (G, S, U, DU, Z3, SC, PEX) Size: 2 1/2 inch Revision: 2009 Model: LF-223(B, G, S, U, DU, Z3, SC, PEX) Issued: 2/23/2009 Size: 2 1/2 inch Issued: 2/23/2009 Amended: 12/29/2004, 12/28/2009, 8/19/2010 Amended: 12/29/2004 12/28/2009, 8/19/2010 Revision: 2009 Model: LF-N45B, LF-N55B (B, LP, HP, THD, SBRASS, Z6, U, DU, S, Revision: 2009 Model: LF-223(B, G, S, U, DU, Z3, SC, PEX) Size: 2 inch EZ, W, PEX) Size: 1 1/4 inch Issued: 2/23/2009 Issued: 2/23/2009 Amended: 12/29/2004, 12/28/2009, 8/19/2010 Amended: 12/29/2004, 12/28/2009, 8/19/2010 Revision: 2009 Revision: 2009 Model: LF-223(B, G, S, U, DU, Z3, SC, PEX) Model: LF-N45B, LF-N55B (B, LP, HP, THD, SBRASS, Z6, U, DU, S, EZ, W, PEX) Size: 1 1/2 inch Size: 3/4 inch Issued: 2/23/2009 Amended: 12/29/2004, 12/28/2009, 8/19/2010 Issued: 2/23/2009 Amended: 12/29/2004, Revision: 2009 12/28/2009, 8/19/2010 Model: LF-25AUB (D, G, S, DU, Z3, SC, PEX, CPVC, Revision: 2009 Model: LF-N45B, LF-N55B (B, LP, HP, THD, SBRASS, Z6, U, DU, S, EZ, W, PEX) QC) Size: 1 1/2 inch Issued: 1/28/1998 Amended: 6/17/2016 Size: 2 inch Issued: 2/23/2009 Revision: 2009 Model: LF-25AUB (D, G, S, DU, Z3, SC, PEX, CPVC, Amended: 12/29/2004, 12/28/2009, 8/19/2010 OC) Size: 1 1/4 inch Issued: 1/28/1998 Amended: 6/17/2016

Revision: 2009 Model: LF-N45B-M1, LF-N55B-M1 (B, U, DU, G, S, EZ, LP, HP, THD, SBRASS, Z6, W, PEX, CPVC, QC) Size: 1 inch Issued: 2/23/2009 Amended: 12/29/2004, 12/28/2009, 7/23/2010, 8/19/2010, 7/11/2012 Revision: 2009 Model: LF-N45B-M1, LF-N55B-M1 (B, U, DU, G, S, EZ, LP, HP, THD, SBRASS, Z6, W, PEX, CPVC, QC) Size: 1/2 inch Issued: 2/23/2009 Amended: 12/29/2004, 12/28/2009, 7/23/2010, 8/19/2010, 7/11/2012 Revision: 2009 Model: LF-N45B-M1, LF-N55B-M1 (B, U, DU, G, S, EZ, LP, HP, THD, SBRASS, Z6, W, PEX, CPVC, QC) Size: 3/4 inch Issued: 2/23/2009 Amended: 12/29/2004, 12/28/2009, 7/23/2010, 8/19/2010, 7/11/2012 Revision: 2009 Model: LF-U5B (B, LP, HP, THD, SBRASS, Z6, G, S, DU, Z3, SC, PEX) Size: 1 1/2 inch Issued: 2/23/2009 Amended: 12/29/2004, 12/28/2009, 8/19/2010 Revision: 2009 Model: LF-U5B (B, LP, HP, THD, SBRASS, Z6, G, S, DU, Z3, SC, PEX) Size: 1 1/4 inch Issued: 2/23/2009 Amended: 12/29/2004, 12/28/2009, 8/19/2010 Revision: 2009 Model: LF-U5B (B, LP, HP, THD, SBRASS, Z6, G, S, DU, Z3, SC, PEX) Size: 1 inch Issued: 2/23/2009 Amended: 12/29/2004 12/28/2009, 8/19/2010 Revision: 2009 Model: LF-U5B (B, LP, HP, THD, SBRASS, Z6, G, S, DU, Z3, SC, PEX) Size: 1/2 inch Issued: 2/23/2009 Amended: 12/29/2004, 12/28/2009, 8/19/2010

Revision: 2009 Model: LF-U5B (B, LP, HP, THD, SBRASS, Z6, G, S, DU, Z3, SC, PEX) Size: 2 inch Issued: 2/23/2009 Amended: 12/28/2009, 8/19/2010

Revision: 2009 Model: LF-U5B (B, LP, HP, THD, SBRASS, Z6, G, S, DU, Z3, SC, PEX) Size: 3/4 inch Issued: 2/23/2009 Amended: 12/29/2004, 12/28/2009, 8/19/2010

Wilkins / A Division of Zurn Revision: 2009 Model: 500 & 500XL Size: 1 1/2 inch Issued: 6/2/1996 Amended: 8/19/2010, 8/17/2012

Revision: 2009 Model: 500 & 500XL Size: 1 1/4 inch Issued: 6/2/1996 Amended: 8/19/2010, 8/17/2012

Revision: 2009 Model: 500 & 500XL Size: 1 inch Issued: 6/2/1996 Amended: 8/19/2010, 8/17/2012

Revision: 2009 Model: 500 & 500XL Size: 1/2 inch Issued: 6/2/1996 Amended: 8/19/2010, 8/17/2012

Revision: 2009 Model: 500 & 500XL Size: 2 1/2 inch Issued: 6/2/1996 Amended: 8/19/2010, 8/17/2012

Revision: 2009 Model: 500 & 500XL Size: 2 inch Issued: 6/2/1996 Amended: 8/19/2010, 8/17/2012

Revision: 2009 Model: 500 & 500XL Size: 3/4 inch Issued: 6/2/1996 Amended: 8/19/2010, 8/17/2012

Revision: 2009 Model: 500YSBR & 500XLYSBR Size: 1 1/2 inch Issued: 6/2/1996 Amended: 8/19/2010, 8/17/2012 Revision: 2009 Model: 500YSBR & 500XLYSBR Size: 1 1/4 inch Issued: 6/2/1996 Amended: 8/19/2010, 8/17/2012

Revision: 2009 Model: 500YSBR & 500XLYSBR Size: 1 inch Issued: 6/2/1996 Amended: 8/19/2010, 8/17/2012

Revision: 2009 Model: 500YSBR & 500XLYSBR Size: 1/2 inch Issued: 6/2/1996 Amended: 8/19/2010, 8/17/2012

Revision: 2009 Model: 500YSBR & 500XLYSBR Size: 2 1/2 inch Issued: 6/2/1996 Amended: 8/19/2010, 8/17/2012

Revision: 2009 Model: 500YSBR & 500XLYSBR Size: 2 inch Issued: 6/2/1996 Amended: 8/19/2010, 8/17/2012

Revision: 2009 Model: 500YSBR & 500XLYSBR Size: 3/4 inch Issued: 6/2/1996 Amended: 8/19/2010, 8/17/2012

Revision: 2009 Model: 600 & 600XL Size: 1 1/2 inch Issued: 6/2/1996 Amended: 8/19/2010, 8/17/2012, 8/10/2017, 12/27/2017

Revision: 2009 Model: 600 & 600XL Size: 1 1/4 inch Issued: 6/2/1996 Amended: 8/19/2010, 8/17/2012, 8/10/2017, 12/27/2017

Revision: 2009 Model: 600 & 600XL Size: 1 inch Issued: 6/2/1996 Amended: 8/19/2010, 8/17/2012, 8/10/2017, 12/27/2017

Revision: 2009 Model: 600 & 600XL Size: 1/2 inch Issued: 6/2/1996 Amended: 8/19/2010, 8/17/2012, 8/10/2017, 12/27/2017 Revision: 2009 Model: 600 & 600XL Size: 2 inch Issued: 6/2/1996 Amended: 8/19/2010, 8/17/2012, 8/10/2017, 12/27/2017 Revision: 2009 Model: 600 & 600XL Size: 3/4 inch Issued: 6/2/1996 Amended: 8/19/2010, 8/17/2012, 8/10/2017, 12/27/2017 Revision: 2009	Revision: 2009 Model: 70 & 70XL Size: 1/2 inch Issued: 9/24/1975 Amended: 8/19/2010, 8/17/2012, 12/27/2017 Revision: 2009 Model: 70 & 70XL Size: 3/4 inch Issued: 9/24/1975 Amended: 8/19/2010, 8/17/2012, 1/22/2015, 12/27/2017 Revision: 2009 Model: BR4XL/NR3XL & NR3 Size: 1 1/2 inch Issued: 3/24/1998 Amended: 11/30/2006, 8/10/2007, 12/9/2008, 8/19/2010, 8/17/2012, 8/10/2017, 12/27/2017	Revision: 2009 Model: REMXL & REMXL3P Size: 1" Issued: 3/8/2011 Amended: 10/5/2012, 4/5/2013 Revision: 2009 Model: REMXL & REMXL3P Size: 3/4" Issued: 4/28/2014 Amended: 3/31/2011, 4/28/2014 Wolverine c/o Conbraco Revision: 2009 Model: CPRV Size: 1" Issued: 6/2/1997 Amended: 8/19/2010 Revision: 2009 Model: CPRV	displaying the standard number granted 11/22/2005 Issued: 5/22/1992 Revision: 2008 Model: ADC-66 conveyor left to right feed, right to left feed & exemption from displaying the standard number granted 11/22/2005 Issued: 5/22/1992 Revision: 2008 Model: AF(-3D, 3D-S, C, ES, C-ES) (option w/ ADS Air Gap) exemption from displaying the standard number granted 11/22/2005 Issued: 6/12/2002 Amended: 4/15/2009	Badger 15SS, Contractor 333, E404 & E505 - 3/4 hp Size: 3/4 hp Issued: 8/19/1999 Amended: 1/1/2007, 7/3/2007, 3/13/2012, 9/5/2012, 8/25/2014, 4/25/2017, 8/30/2017 Revision: 2006 Model: Evolution Compact & Select Plus Size: 3/4 hp Issued: 8/19/1999 Amended: 1/1/2007, 7/3/2007, 11/21/2007, 3/13/2012, 9/5/2012, 3/19/2013 Revision: 2006 Model: Evolution Cover Control, Cover Control Plus Size: 3/4 hp
Model: 600 XL Size: 2 inch Issued: 8/10/2017	Revision: 2009 Model: BR4XL/NR3XL & NR3	Size: 1/2" Issued: 6/2/1997 Amended: 8/19/2010	Revision: 2008 Model: HT-25 & HT-34	Issued: 8/19/1999 Amended: 1/1/2007, 7/3/2007, 4/10/2013
Revision: 2009 Model: 600 XL Size: 3/4 inch Issued: 8/10/2017 Revision: 2009 Model: 600XL Size: 1 1/2 inch	Size: 1 1/4 inch Issued: 3/24/1998 Amended: 11/30/2006, 8/10/2007, 12/9/2008, 8/19/2010, 8/17/2012, 8/10/2017, 12/27/2017 Revision: 2009 Model: BR4XL/NR3XL &	STANDARD #ASSE <u>1004</u> Backflow Prevention Requirements for Commercial Dishwashing Machines ASSE-2008	Issued: 5/22/1992 Revision: 2008 Model: L-3D (60, 72, 90, W, C, K, S, option ADS Air Gap) exemption from displaying the standard number granted	Revision: 2006 Model: Evolution Essential & Complete Size: 3/4 hp Issued: 8/19/1999 Amended: 1/1/2007, 7/3/2007, 8/25/2014, 4/27/2018
Issued: 8/10/2017 Revision: 2009 Model: 600XL Size: 1 1/4 inch Issued: 8/10/2017 Revision: 2009 Model: 600XL	NR3 Size: 1 inch Issued: 3/24/1998 Amended: 11/30/2006, 8/10/2007, 12/9/2008, 8/19/2010, 8/17/2012, 8/10/2017, 12/27/2017 Revision: 2009	American Dish Service Revision: 2008 Model: 5 (AG, AGS, CD, AH, S, LF, RF) Issued: 1/20/2010 Amended: 9/18/2015	11/22/2005 Issued: 6/12/2002 Amended: 9/18/2015 STANDARD #ASSE 1008 Plumbing Aspects of	Revision: 2006 Model: Evolution Esteem Plus, Prestige, Supreme & Supreme SS Size: 1 hp Issued: 8/19/1999 Amended: 1/1/2007, 7/3/2007, 10/1/2007,
Size: 1 inch Issued: 8/10/2017	Model: BR4XL/NR3XL & NR3 Size: 1/2 inch	Revision: 2008 Model: 5AGES/WS2 Issued: 6/12/2002 Amended: 11/18/2010	Residential Food Waste Disposer Units ASSE-2006	3/13/2012, 3/19/2013, 9/3/2015, 2/2/2017
Revision: 2009 Model: 600XL Size: 1/2 inch Issued: 8/10/2017 Revision: 2009 Model: 625XL Size: 1 inch Issued: 1/11/2017	Issued: 3/24/1998 Amended: 11/30/2006, 8/10/2007, 12/9/2008, 8/19/2010, 8/17/2012, 8/10/2017, 12/27/2017 Revision: 2009 Model: BR4XL/NR3XL & NR3 Size: 2 inch	Revision: 2008 Model: A (3D, 3D-S, C, H, D, 25, B, F, Option ADS Air Gap) exemption from displaying the standard number granted 11/22/2005	In-Sink-Erator Corp Revision: 2006 Model: Badger 1, Badger 100, Badger 1XT & E101 Size: 1/3 hp Issued: 8/19/1999 Amended: 1/1/2007, 7/3/2007, 3/13/2012, 8/25/20214.5/2014	Revision: 2006 Model: Evolution Excel Size: 1 hp Issued: 8/19/1999 Amended: 1/1/2007, 7/3/2007 Revision: 2006 Model: Evolution Premier & Space Saver
Revision: 2009 Model: 625XL Size: 3/4 inch Issued: 1/11/2017	Issued: 3/24/1998 Amended: 11/30/2006, 8/10/2007, 12/9/2008, 8/19/2010, 8/17/2012, 8/10/2017, 12/27/2017	Issued: 6/12/2002 Amended: 9/18/2015 Revision: 2008 Model: A-3D (3D-S and/or C option ADS Air	8/25/2014, 7/6/2015 Revision: 2006 Model: Badger 5, Badger 500, Badger 500 Plus, Badger 5XT, E202	XP Size: 3/4 hp Issued: 8/19/1999 Amended: 1/1/2007, 7/3/2007, 9/3/2015
Revision: 2009 Model: 70 & 70XL Size: 1 inch Issued: 9/24/1975 Amended: 8/19/2010,	Revision: 2009 Model: BR4XL/NR3XL & NR3 Size: 3/4 inch	Gap) exemption from displaying the standard number granted	& E303 - 1/2 - 5/8 hp, Size: 1/2 - 5/8 hp Issued: 8/19/1999 Amended: 1/1/2007,	Revision: 2006 Model: Evolution PRO Compact & PRO 750 Size: 3/4 hp
Amended: 8/19/2010, 8/17/2012, 1/22/2015, 12/27/2017	Issued: 3/24/1998 Amended: 11/30/2006, 8/10/2007, 12/9/2008, 8/19/2010, 8/17/2012, 8/10/2017, 12/27/2017	11/22/2005 Issued: 6/12/2002 Revision: 2008 Model: ADC-44 conveyor left to right feed, right to left deed: & exemption from	7/3/2007, 3/13/2012, 8/25/2014, 7/6/2015, 8/30/2017, 8/30/2017 Revision: 2006 Model: Badger 5XP, Badger 900, Badger 900 Plus, Badger Gold,	Issued: 8/19/1999 Amended: 1/1/2007, 7/3/2007, 11/21/2007, 3/19/2013

Revision: 2006 Model: Evolution PRO CVR CNTRL & PRO CVR CNTRL PLUS Size: 3/4 - 7/8 hp Issued: 8/19/1999 Amended: 1/1/2007, 7/3/2007, 3/19/2013, 4/10/2013

Revision: 2006 Model: Evolution PRO Essential, PRO 880 & PRO 880LT Size: 3/4 - 7/8 hp Issued: 8/19/1999 Amended: 1/1/2007, 7/3/2007, 3/19/2013, 7/6/2015

Revision: 2006 Model: Evolution PRO Excel, PRO 1000LP & PRO 1100XL Size: 1 - 1.1 hp Issued: 8/19/1999 Amended: 1/1/2007, 7/3/2007, 3/19/2013

Revision: 2006 Model: Evolution Septic Assist & Fresh Kitchen Size: 3/4 hp Issued: 8/19/1999 Amended: 1/1/2007, 7/3/2007, 8/25/2014

Revision: 2006 Model: Evolution Spacesaver & Select Size: 5/8 hp Issued: 8/19/1999 Amended: 1/1/2007, 7/3/2007, 11/21/2007, 3/13/2012, 9/5/2012, 3/19/2013

STANDARD #ASSE 1010 Water Hammer Arresters

ASSE-2004 Amtrol

Revision: 2004 Model: Mini Trol Model 500 (Plastic) Size: 1/2 inch Issued: 11/9/1989 Amended: 12/30/2005, 12/13/2010, 2/26/2015

Ayrlett, LLC Revision: 2004 Model: AA-45 Size: AA w/ 1/2" NPT CPVC - Size of Orifice in connector 3.835 inches Issued: 6/5/2008 Cash Acme / Reliance Worldwide Corp Revision: 2004 Model: CC-1000 Size: A Issued: 7/20/2004

Revision: 2004 Model: CC-1250 Size: A Issued: 7/20/2004

Revision: 2004 Model: CC-1500 Size: A Issued: 7/20/2004

Revision: 2004 Model: CC-2000 Size: A Issued: 7/20/2004

Revision: 2004 Model: CC-500 Size: A Issued: 7/20/2004

Revision: 2004 Model: CC-750 Size: A Issued: 7/20/2004

Revision: 2004 Model: CM-500CPT Size: 1/20Dx3/8MIP Issued: 7/20/2004

Revision: 2004 Model: CM-500DW Size: 1/20Dx3/8MIP Issued: 7/20/2004

Revision: 2004 Model: CM-500-FPF Size: 1/20Dx3/8MIP Issued: 7/20/2004

Revision: 2004 Model: CM-500L Size: 1/20Dx3/8MIP Issued: 7/20/2004

Revision: 2004 Model: CM-500LS Size: 1/20Dx3/8MIP Issued: 7/20/2004

Revision: 2004 Model: CM-500SWA Size: 1/20Dx3/8MIP Issued: 7/20/2004

Revision: 2004 Model: CM-500TH Size: 1/20Dx3/8MIP Issued: 7/20/2004

Revision: 2004 Model: CM-500TS Size: 1/20Dx3/8MIP Issued: 7/20/2004

Revision: 2004 Model: CWA-1000 Size: A Issued: 7/20/2004 Revision: 2004 Model: CWA-1250 Size: A Issued: 7/20/2004

Revision: 2004 Model: CWA-1500 Size: A Issued: 7/20/2004

Revision: 2004 Model: CWA-2000 Size: A Issued: 7/20/2004

Revision: 2004 Model: CWA-500 Size: A Issued: 7/20/2004

Revision: 2004 Model: CWA-750 Size: A Issued: 7/20/2004

Eastern Foundry & Fittings Revision: 2004 Model: Shock Arrestor -AA-01 Size: 1/2 NPT and M16 Issued: 10/23/2017

Everflow Industrial Supply Corp Revision: 2004 Model: LW8835/36 Series Size: Type AA (Includes: LW-88351 & LW-88352 w/ 3/4" Hose Thread Outlet & 1/2" Sweat Inlet; LW-88353 & LW-88354 w/ 3/4" Hose Thread Outlet & 1/2" PEX Inlet; LW-88356 & LW-88357 w/ 3/4" Hose Thread Outlet & 1/2' CPVC Inlet; LW-88358 & LW-88359 w/ 3/4" Hose Thread Outlet & 1/2 Wirsbo Inlet, LW-88361 w/ 1/4" Compression Outlet & 1/2" Sweat Inlet; LW-88362 w/ 1/4" Compression Outlet & 1/2" PEX Inlet; LW-88363 w/ 1/4 **Compression Outlet &** 1/2" CPVC Inlet; LW-88364 w/ 1/4 **Compression Outlet &** 1/2" Wirsbo Inlet) Issued: 10/13/2008 Amended: 12/2/2008

Revision: 2004 Model: LW8836 Series Size: Type AA (Includes: LW-88366 w/ 1/4" Compression Outlet & 1/2" Sweat Inlet; LW-88367 w/ 1/4" Compression Outlet & 1/2" PEX Inlet; LW-88368 w/ 1/4" Compression Outlet & 1/2" CPVC Inlet; LW-88369 w/ 1/4" Compression Outlet & 1/2" Wirsbo Inlet) Issued: 9/10/2009

Fu San Valve Revision: 2004 Model: NL1331WH Size: 1/2" 3/8" Issued: 10/23/2017

Hajoca (MAINLINE[®] & BRIGADE™) c/o IPS Corp Revision: 2004 Model: Brigade Arrester Series (Includes: BR11047-Brigade 5/8" x 5/8" Comp T; BR11048-Brigade 1/4" x 1/4" Comp. T; BR11049-Brigade 1/2" PEX Barb T; BR11050-Brigade 1/2 MIP: BR11051-Brigade 1/2" Sweat; BR11052-Brigade 3/4" x 3/4 Washing Machine; BR11053-Brigade 1/2" Female CPVC; BR11054-Brigade 1/2" Male CPVC) Issued: 3/3/2009

Ho Sing Enterprises Co., Ltd. Revision: 2004

Model: 1 BSPT-HS15R Issued: 6/30/2005

Revision: 2004 Model: 1 NPT- HS15N Includes 1 NPT-HS15N-2 (C6802 Brass Alloy), 1 NPT-HS15N-3 (Ecobrass Alloy), 1 NPT-HS15N-8 (C6802 Brass Alloy/Plastic Piston), and 1 NPT-HS15N-9 (Ecobrass Alloy/Plastic Piston) Issued: 6/30/2005

Revision: 2004 Model: 1 NPTF-HS15F Includes 1 NPTF-HS15F-2 (C6802 Brass Alloy), 1 NPTF-HS15F-3 (Ecobrass Alloy), 1 NPTF-HS15F-8 (C6802 Brass Alloy/Plastic Piston) and 1 NPTF-HS15F-9 (Ecobrass Alloy/Plastic Piston) Issued: 6/30/2005

Revision: 2004 Model: 1/2 BSPT-HS15R Issued: 6/30/2005

Revision: 2004 Model: 1/2 NPTF-HS15F Includes 1/2 NPTF-HS15F-2 (C6802 Brass Alloy), 1/2 NPTF-HS15F-3 (Ecobrass Alloy), 1/2 NPTF-HS15F-8 (C6802 Brass Alloy/Plastic Piston) and 1/2 NPTF-HS15F-9 (Ecobrass Alloy/Plastic Piston) Issued: 6/30/2005

Revision: 2004 Model: 1/2 NPT-HS15N Includes 1/2 NPT-HS15N-2 (C6802 Brass Alloy), 1/2 NPT-HS15N-3 (Ecobrass Alloy), 1/2 NPT-HS15N-8 (C6802 Brass Alloy/Plastic Piston) and 1/2 NPT-HS15N-9 (C6802 Brass Alloy/Plastic Piston) Issued: 6/30/2005

Revision: 2004 Model: 1-1/2 BSPT-HS15R Issued: 6/30/2005

Revision: 2004 Model: 1-1/2 NPTF-HS15F Includes 1-1/2 NPTF-HS15F-2 (C6802 Brass Alloy), 1-1/2 NPTF-HS15F-3 (Ecobrass Alloy), 1-1/2 NPTF-HS15F-8 (C6802 Brass Alloy/Plastic Piston) and 1-1/2 NPTF-HS15F-9 (Ecobrass Alloy/Plastic Piston) Issued: 6/30/2005

Revision: 2004 Model: 1-1/2 NPT-HS15N Includes 1-1/2 NPT-HS15N-2 (C6802 Brass Alloy), 1-1/2 NPT-HS15N-3 (Ecobrass Alloy), 1-1/2 NPT-HS15N-8 (C6802 Brass Alloy/Plastic Piston) and 1-1/2 NPT-HS15N-9 (Ecobrass Alloy/Plastic Piston) Issued: 6/30/2005

Revision: 2004 Model: 1-1/4 BSPT-HS15R Issued: 6/30/2005

Revision: 2004 Model: 1-1/4 NPTF-HS15F Includes 1-1/4 NPTF-HS15F-2 (C6802 Brass Alloy), 1-1/4 NPTF-HS15F-3 (Ecobrass Alloy), 1-1/4 NPTF-HS15F-8 (C6802 Brass Alloy/Plastic Piston) and 1-1/4 NPTF-HS15F-9 (Ecobrass Alloy/Plastic Piston) Issued: 6/30/2005

Revision: 2004 Model: 1-1/4 NPT-HS15N Includes 1-1/4 NPT-HS15N-2 (C6802 Brass Alloy), 1-1/4 NPT-HS15N-3 (Ecobrass Alloy), 1-1/4 NPT-HS15N-8 (C6802 Brass Alloy/Plastic Piston) and 1-1/4 NPT-HS15N-9 (Ecobrass Alloy/Plastic Piston) Issued: 6/30/2005 Revision: 2004 Model: 2 BSPT-HS15R Issued: 6/30/2005 Revision: 2004 Model: 2 NPTF-HS15F Includes 2 NPTF-HS15F-2 (C6802 Brass Alloy), 2 NPTF-HS15F-3 (Ecobrass Alloy), 2 NPTF-HS15F-8 (C6802 Brass Alloy/Plastic Piston) and 2 NPTF-HS15F-9 (Ecobrass Alloy/Plastic Piston) Issued: 6/30/2005 Revision: 2004 Model: 2 NPT-HS15N Includes 2 NPT-HS15N-2 (C6802 Brass Alloy), 2 NPT-HS15N-3 (Ecobrass Alloy), 2 NPT-HS15N-8 (C6802 Brass Alloy/Plastic Piston) and 2 NPT-HS15N-9 (Ecobrass Alloy/Plastic

Revision: 2004 Model: 3/4 BSPT-HS15R Issued: 6/30/2005

Issued: 6/30/2005

Piston)

Revision: 2004 Model: 3/4 NPTF-HS15F Includes 3/4 NPTF-HS15F-2 (C6802 Brass Alloy), 3/4 NPTF-HS15F-3 (Ecobrass Alloy), 3/4 NPTF-HS15F-8 (C6802 Brass Alloy/Plastic Piston) and 3/4 NPTF-HS15F-9 (Ecobrass Alloy/Plastic Piston) Issued: 6/30/2005

Revision: 2004 Model: 3/4 NPT-HS15N Includes 3/4 NPT-HS15N-2 (C6802 Brass Alloy), 3/4 NPT-HS15N-3 (Ecobrass Alloy), 3/4 NPT-HS15N-8 (C6802 Brass Alloy/Plastic Piston) and 3/4 NPT-HS15N-9 (Ecobrass Alloy/Plastic Piston) Issued: 6/30/2005 Revision: 2004 Model: 660-TA2-2 Includes 660-TA2-3 (Ecobrass Alloy) Issued: 1/6/2012

Revision: 2004 Model: 660-TC0-2 Includes 660-TC0-3 (Ecobrass Alloy) Issued: 1/6/2012

Revision: 2004 Model: 660-TC1-2 Includes 660-TC1-3 (Ecobrass Alloy) Issued: 1/6/2012

Revision: 2004 Model: 660-TC2-2 Includes 660-TC2-3 (Ecobrass Alloy) Issued: 1/6/2012

Revision: 2004 Model: 660-TCR00-2 Includes 660-TCR00-3 (Ecobrass Alloy) Issued: 1/6/2012

Revision: 2004 Model: 660-TCR11-2 Includes 660-TCR11-3 (Ecobrass Alloy) Issued: 1/6/2012

Revision: 2004 Model: 660-TCR22-2 Includes 660-TCR22-3 (Ecobrass Alloy) Issued: 1/6/2012

Revision: 2004 Model: 660-TF0-2 Includes 660-TF0-3 (Ecobrass Alloy) Issued: 1/6/2012

Revision: 2004 Model: 660-TN00-2 Includes 660-TN00-3 (Ecobrass Alloy) Issued: 1/6/2012

Revision: 2004 Model: 660-TN0-2 Includes 660-TN0-3 (Ecobrass Alloy) Issued: 1/6/2012

Revision: 2004 Model: 660-TW2-2 Includes 660-TW2-3 (Ecobrass Alloy) Issued: 1/6/2012

Revision: 2004 Model: 660-TX1-2 Includes 660-TX1-3 (Ecobrass Alloy) Issued: 1/6/2012 Revision: 2004 Model: 660-TX2-2 Includes 660-TX2-3 (Ecobrass Alloy) Issued: 1/6/2012

Revision: 2004 Model: 96 Series -Unplated, One Piece, 1/4-Turn Valves Includes: 96-2S-1-W (w/ 1/4" Compression Outlet & 1/2" Wirsbo Inlet); 96-4-1-W (w/ 1/4 Compression Outlet & 1/2" NPSM / 1/2" Solder (Copper) Inlet); 96-8-1-W (w/ 1/4" Compression Outlet & 1/2" PEX Inlet); 96-9-1-W (w/ 1/4' Compression Outlet & 1/2" CPVC Inlet); 96-HS-1-W (w/ 1/4" Compression Outlet & 3/8" PEX Inlet) -Type AA Issued: 12/22/2009

Revision: 2004 Model: 97 Series -Unplated, 1/4-Turn Valves Includes: 97-2S-1-W (w/ 1/4" Compression Outlet & 1/2" Wirsbo Inlet); 97-4-1-W (w/ 1/4" Compression Outlet & 1/2" NPSM / 1/2" Solder Copper Inlet); 97-8-1-W (w/ 1/4" Compression Outlet & 1/2" PEX Inlet); 97-9-1-W (w/ 1/4" Compression Outlet & 1/2" CPVC Inlet); 97-HS-1-W (w/ 1/4" Compression Outlet & 3/8" PEX Inlet) - Type AA Issued: 8/10/2009

Revision: 2004 Model: HS-100CS Issued: 6/30/2005

Revision: 2004 Model: HS-379-2 Includes HS-379-3 (Ecobrass Alloy), HS-379-8 (C6802 Brass Alloy/Plastic Piston), HS-379-9 (Ecobrass Alloy/Plastic Piston) Issued: 2/14/2012

Revision: 2004 Model: HS-389 Includes HS-389-2 (C6802 Brass Alloy), HS-389-3 (Ecobrass Alloy), HS-389-8 (C6802 Brass Alloy/Plastic Piston) and HS-389-9 (Ecobrass Alloy/Plastic Piston) Issued: 6/30/2005

Revision: 2004 Model: HS-390 Includes HS-390-2 (C6802 Brass Alloy), HS- 390-3 (Ecobrass Alloy), HS-390-8 (C6802 Brass Alloy/Plastic Piston) and HS-390-9 (Ecobrass Alloy/Plastic Piston) Issued: 6/30/2005

Revision: 2004 Model: HS-391 Includes HS-391-2 (C6802 Brass Alloy), HS-391-3 (Ecobrass Alloy), HS-391-8 (C6802 Brass Alloy/Plastic Piston) and HS-391-9 (Ecobrass Alloy/Plastic Piston) Issued: 6/30/2005

Revision: 2004 Model: HS-392 Includes HS-392-2 (C6802 Brass Alloy), HS-392-3 (Ecobrass Alloy), HS-392-8 (C6802 Brass Alloy/Plastic Piston) and HS-392-9 (Ecobrass Alloy/Plastic Piston) Issued: 6/30/2005

Revision: 2004 Model: HS-393 Includes HS-393-2 (C6802 Brass Alloy), HS-393-3 (Ecobrass Alloy), HS-393-8 (C6802 Brass Alloy/Plastic Piston) and HS-393-9 (Ecobrass Alloy/Plastic Piston) Issued: 6/30/2005

Revision: 2004 Model: HS-394 Includes HS-394-2 (C6802 Brass Alloy), HS-394-3 (Ecobrass Alloy), HS-394-8 (C6802 Brass Alloy/Plastic Piston) and HS-394-9 (Ecobrass Alloy/Plastic Piston) Issued: 6/30/2005

Revision: 2004 Model: HS-395 Includes HS-395-2 (C6802 Brass Alloy), HS-395-3 (Ecobrass Alloy), HS-395-8 (C6802 Brass Alloy/Plastic Piston) and HS-395-9 (Ecobrass Alloy/Plastic Piston) Issued: 6/30/2005

Revision: 2004 Model: HS-396 Includes HS-396-2 (C6802 Brass Alloy), HS-396-3 (Ecobrass Alloy), HS-396-8 (C6802 Brass Alloy/Plastic Piston) and HS-396-9 (Ecobrass Alloy/Plastic Piston) Issued: 6/30/2005

Revision: 2004 Model: HS-397 Includes HS-397-2 (C6802 Brass Alloy), HS- 397-3 (Ecobrass Alloy), HS-397-8 (C6802 Brass Alloy/Plastic Piston) and HS-397-9 (Ecobrass Alloy/Plastic Piston) Issued: 6/30/2005

Revision: 2004 Model: HS-398 Includes HS-398-2 (C6802 Brass Alloy), HS-398-3 (Ecobrass Alloy), HS-398-8 (C6802 Brass Alloy/Plastic Piston) and HS-398-9 (Ecobrass Alloy/Plastic Piston) Issued: 6/30/2005

Revision: 2004 Model: HS-399-1 Includes HS-399-1-2 (C6802 Brass Alloy), HS-399-1-3 (Ecobrass Alloy), HS-399-1-8 (C6802 Brass Alloy/Plastic Piston) and HS-399-1-9 (Ecobrass Alloy/Plastic Piston) Issued: 2/14/2012

Revision: 2004 Model: HS-399-2 Includes HS-399-2-2 (C6802 Brass Alloy), HS-399-2-3 (Ecobrass Alloy), HS-399-2-8 (C6802 Brass Alloy/Plastic Piston) and HS-399-2-9 (Ecobrass Alloy/Plastic Piston) Issued: 2/14/2012

Revision: 2004 Model: HS-400 Includes HS-400-2 (C6802 Brass Alloy), HS-400-3 (Ecobrass Alloy), HS-400-8 (C6802 Brass Alloy/Plastic Piston) and HS-400-9 (Ecobrass Alloy/Plastic Piston) Issued: 6/30/2005

Revision: 2004 Model: HS-401 Includes HS-401-2 (C6802 Brass Alloy), HS-401-3 (Ecobrass Alloy), HS-401-8 (C6802 Brass Alloy/Plastic Piston) and HS-401-9 (Ecobrass Alloy/Plastic Piston) Issued: 7/27/2009

Revision: 2004 Model: HS-402-8 Copper Sweat Issued: 6/30/2005

Revision: 2004 Model: HS-403-8 Wirsbo Uponor PEX Connection TEE Conection Issued: 6/30/2005

Revision: 2004	FNWSWA750-3	SH-5521-A-9 (Ecobrass	Revision: 2004	Revision: 2004
Model: HS-404-8	(Ecobrass Alloy), HS-	Alloy/Plastic Piston)	Model: 86597	Model: 88337,
Wirsbo Uponor PEX	ÈNWSWA750-8 (C6802	Issued: 5/6/2003	Size: 3/8" x 3/8" PEX	88337RB, 88336,
Connection	Brass Alloy/Plastic	Amended: 12/11/2006	barb tee	88336RB, 88334,
Issued: 6/30/2005	Piston) and HS-		Lead free	88334RB, 88333,
155464. 07 507 2005	FNWSWA750-9	Revision: 2004	Issued: 5/24/2017	88333RB, 88339,
Revision: 2004	(Ecobrass Alloy/Plastic	Model: SH-5523-A	135000. 5/24/2017	88339RB, 88338,
	Piston)	Size: 1/2 inch NPT	Revision: 2004	
Model: HS-405-8				88338RB, 88332,
PEX Connection	Issued: 6/30/2005	Issued: 5/8/2002	Model: 86598	88332RB, 88331,
Issued: 6/30/2005	Amended: 4/23/2008		Size: 1/2" x 1/2" PEX	88331RB
		Revision: 2004	barb tee	1/4-Turn, Chrome-Plated
Revision: 2004	Revision: 2004	Model: SH-5525-A	Lead free	and Unplated Valves w/
Model: HS-500	Model: Rear Load Series	Size: w/ 5/8" NPT	Issued: 5/24/2017	3/4" Hose Thread Outlet
Includes HS-500-2	- Chrome-Plated &	Includes SH-5525-A-2		& 1/2" PEX, 1/2" CPVC,
(C6802 Brass Alloy), HS-	Unplated, 1/4-Turn	(C6802 Brass Alloy), SH-	Revision: 2004	1/2" Wirsbo or 1/2"
500-3 (Ecobrass Alloy),	Valves	5525-A-3 (Ecobrass	Model: 86599	Solder Inlets
HS-500-8 (C6802 Brass	Includes: HS88331,	Alloy), SH-5525-A-8	Size: 1/2" Wirsbo Tee	Issued: 6/6/2007
		(C6802 Brass	Lead free	133020. 0/0/2007
Alloy/Plastic Piston) and	HS88331RB, HS88332,			Devision: 2004
HS-500-9 (Ecobrass	HS88332RB (w/ 3/4"	Alloy/Plastic Piston) and	Issued: 5/24/2017	Revision: 2004
Alloy/Plastic Piston)	Hose Thread Outlet &	SH-5525-A-9 (Ecobrass		Model: 88343 <i>,</i>
Issued: 2/23/2009	1/2" Solder Inlet);	Alloy/Plastic Piston)	Revision: 2004	88343RB, 88342,
	HS88333, HS88333RB,	Issued: 5/6/2003	Model: 866 Series	88342RB, 88344,
Revision: 2004	HS88334, HS88334RB	Amended: 1/17/2012	(Includes: 86612 - 3/8"	88344RB, 88341,
Model: HS-	(w/ 3/4" Hose Thread		Pex Barb T; 86613 - 1/2"	88341RB
FNWSWA1000	Outlet & 1/2" CPVC	IPS Corporation	Pex Barb T; 86606 - 1/4"	1/4-Turn, Chrome-Plated
Includes HS-	Inlet); HS88336,	Revision: 2004	x 1/4 Comp T; 86607	and Unplated Valves w/
FNWSWA1000-2 (C6802		Model: 86590	3/8" x 3/8" Comp T;	
	HS88336RB, HS88337,		5/6 x $5/6$ COMP 1,	1/4" Outlet & 1/2" PEX,
Brass Alloy), HS-	HS88337RB (w/ 3/4"	Size: 1/2" MIP	86608 5/8" x 5/8" Comp	1/2" CPVC, 1/2" Wirsbo
FNWSWA1000-3	Hose Thread Outlet &	Lead Free	T; 86609 - 3/8" x 3/8"	or 1/2" Solder Inlets
(Ecobrass Alloy), HS-	1/2" PEX Inlet);	Issued: 5/24/2017	Reverse Nut T; 86610 -	Issued: 6/6/2007
FNWSWA1000-8 (C6802	HS88338, HS88338RB,		5/8" x 5/8" Reverse Nut	
Brass Alloy/Plastic	HS88339, HS88339RB	Revision: 2004	T; 86602 - 1/2" MIP	Revision: 2004
Piston) and HS-	(w/ 3/4" Hose Thread	Model: 86591	connection; 86605 - 5/8"	Model: 8835/36 Series -
FNWSWA1000-9	Outlet & 1/2" Wirsbo	Size: 5/8" comp. straight	OD Comp Straight	Type AA
(Ecobrass Alloy/Plastic	Inlet); HS88351,	Lead free	Adapter; 86604 - 1/2"	(Includes: 88351 &
Piston)	HS88351RB, HS88352,	Issued: 5/24/2017	CPVC Socket; 86603 -	88352 w/ ¾" Hose
		133020. 5/24/2017		Thread Outlet & ½"
Issued: 6/30/2005	HS88352RB (w/ 3/4"	Devision: 2004	3/4" Male SWT; 86621	
Amended: 4/23/2008	Hose Thread Outlet &	Revision: 2004	1/2" Pex Barb; 86601 -	Sweat Inlet; 88353 &
	3/8" PEX Inlet);	Model: 86592	1/2" Male SWT; 86600 -	88354 w/ ¾" Hose
Revision: 2004	HS88354, HS88354RB,	Size: 1/4" x 1/4"	3/4")	Thread Outlet & ½" PEX
Model: HS-	HS88355, HS88355RB	compression tee	Issued: 8/14/2007	Inlet; 88356 & 88357 w/
FNWSWA1250	(w/ 3/4" Hose Thread	Lead free		34" Hose Thread Outlet &
Includes HS-	Outlet & 1/2" Kitec	Issued: 5/24/2017	Revision: 2004	½" CPVC Inlet; 88358 &
FNWSWA1250-2 (C6802	Inlet); HS88341,		Model: 86600	88359 w/ ¾" Hose
Brass Alloy), HS-	HS88341RB (w/ 1/4"	Revision: 2004	Size: 3/4"	Thread Outlet & ½"
FNWSWA1250-3	Compression Outlet &	Model: 86593	For Washing Machine	Wirsbo Inlet; 88361 w/
(Ecobrass Alloy), HS-	1/2" Solder Inlet);	Size: 3/8" x 3/8"	Issued: 5/24/2017	¹ / ₄ " Compression Outlet
			15Sueu. 5/24/2017	
FNWSWA1250-8 (C6802	HS88342, HS88342RB	compression tee	D 2004	& ½" Sweat Inlet; 88362
Brass Alloy/Plastic	(w/ 1/4" Compression	Lead free	Revision: 2004	w/ ¼" Compression
Piston) and HS-	Outlet & 1/2" CPVC	Issued: 5/24/2017	Model: 86601	Outlet & ½" PEX Inlet;
FNWSWA1250-9	Inlet); HS88343,		Size: 1/2" Male Sweat	88363 w/ ¼"
(Ecobrass Alloy/Plastic	HS88343RB (w/ 1/4"	Revision: 2004	Issued: 5/24/2017	Compression Outlet &
Piston)	Compression Outlet &	Model: 86594		1/2" CPVC Inlet; 88364 w/
Issued: 6/30/2005	1/2" PEX Inlet);	Size: 5/8" x 5/8"	Revision: 2004	¼" Compression Outlet
Amended: 4/23/2008	HS88344, HS88344RB	Compression Tee	Model: 86603	& ½" Wirsbo Inlet)
	(w/ 1/4" Compression	Lead free	Size: 3/4" Male Sweat	Issued: 10/20/2008
Revision: 2004	Outlet & 1/2" Wirsbo	Issued: 5/24/2017	Issued: 5/24/2017	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Model: HS-FNWSWA500	Inlet); HS88353,			Revision: 2004
Includes HS-	HS88353RB (w/ 1/4"	Revision: 2004	Revision: 2004	Model: 8836 Series
FNWSWA500-2 (C6802	Compression Outlet &	Model: 86595	Model: 86604	Size: Type AA
Proce Allow) HS		Size: 2/8" x 2/8" reverse		
Brass Alloy), HS-	3/8" PEX Inlet);	Size: 3/8" x 3/8" reverse	Size: 1/2" CPVC Socket	(Includes: 88366 w /
FNWSWA500-3	HS88356, HS88356RB	nut tee	Issued: 5/24/2017	1/4" Compression Outlet
(Ecobrass Alloy), HS-	(w/ 1/4" Compression	Lead free		and ½" Sweat Inlet;
FNWSWA500-8 (C6802	Outlet & 1/2" Kitec Inlet)	Issued: 5/24/2017	Revision: 2004	88367 w/ 1/4"
Brass Alloy/Plastic	- Type AA		Model: 86621	Compression Outlet and
Piston) and HS-	Issued: 6/6/2007	Revision: 2004	Size: 1/2" PEX Barb	½" PEX Inlet; 88368 w/
FNWSWA500-9		Model: 86596	Arrester	1/4" Compression Outlet
(Ecobrass Alloy/Plastic	Revision: 2004	Size: 5/8" x 5/8" reverse	C6802 Brass Alloy/Plastic	and ½" CPVC Inlet;
Piston)	Model: SH-5521-A	nut tee	Piston	88369 w/ 1/4"
Issued: 6/30/2005	Size: w/ 1/2"	Lead free	Issued: 5/24/2017	Compression Outlet and
Amended: 4/23/2008	NPTconnection	Issued: 5/24/2017		½" Wirsbo Inlet)
, inclucul 4/25/2000	Includes SH-5521-A-2		Revision: 2004	Issued: 9/10/2009
Revision: 2004	(C6802 Brass Alloy), SH-		Model: 86624	155000. 5/ 10/ 2003
			Size: 1/2" Male CPVC	
Model: HS-FNWSWA750	5521-A-3 (Ecobrass		SIZE. 1/2 IVIDE LAVE	
Includes HS-	Alloy), SH-5521-A-8		Issued: 5/24/2017	
FNWSWA750-2 (C6802	(C6802 Brass			
Brass Alloy), HS-	Alloy/Plastic Piston) and	l	1	
ASSE Seal Authorizations -	January 23, 2019			Page 17

JAY R. SMITH MFG., CO.	Revision: 2004	Revision: 2004	Revision: 2004	Compression x Female
Revision: 2004	Model: 5230-D & 5230-	Model: CL-B	Model: 34458	Tee
Model: 5201-AA & 5201- AA-SC	D-SC Threaded & Sweat	Size: 3/4 inch Water Hammer Arrestor	Size: 1/2" Quiet Pipes Hammer	Issued: 4/18/2018
Size: 1/2 inch	connections	Issued: 12/9/2004	Arrestor, CPVC Female,	Revision: 2004
Threaded & Sweat connections	Issued: 1/30/2004 Amended: 2/13/2018	Revision: 2004	Straight Issued: 4/18/2018	Model: 34474 Size: 3/8"
Issued: 1/30/2004	Amenueu. 2/15/2018	Model: CL-B/MWH-B	155000. 4/10/2010	Quiet Pipes Hammer
Amended: 2/13/2018	Revision: 2004 Model: 5240-E & 5240-E-	Size: 3/4" NPT	Revision: 2004 Model: 34459	Arrestor, O.D.
Revision: 2004	SC	Issued: 7/29/2003	Size: 1/2"	Compression Tee Issued: 4/18/2018
Model: 5205-A & 5205-	Threaded & Sweat	Revision: 2004	Quiet Pipes Hammer	Devision: 2004
A-SC Size: 1/2 inch	connections Issued: 1/30/2004	Model: CL-C Size: 1 inch	Arrestor, CPVC Male, Straight	Revision: 2004 Model: 34476, 34481,
Threaded & Sweat	Amended: 2/13/2018	Water Hammer Arrestor	Issued: 4/18/2018	34482, 34491
connections Issued: 1/30/2004	Revision: 2004	Issued: 12/9/2004	Revision: 2004	Size: 1/2" Quiet Pipes Hammer
Amended: 2/13/2018	Model: 5250-F & 5250-F-	Revision: 2004	Model: 34460 Size: 1/2"	Arrestor, F1960 PEX,
Revision: 2004	SC Threaded & Sweat	Model: CL-C/MWH-C Size: 3/4" NPT Piston	Quiet Pipes Hammer	F1807 PEX, MIP, Straight, Female CPVC
Model: 520-T-A & 520-	connections	Type C	Arrestor, F1960, Straight	Issued: 4/18/2018
SC-A Issued: 12/2/2004	Issued: 1/30/2004 Amended: 2/13/2018	Issued: 7/29/2003	Issued: 4/18/2018	Revision: 2004
Amended: 2/13/2018		Revision: 2004	Revision: 2004	Model: 34477, 34485,
Revision: 2004	Korea Seal Technologies Revision: 2004	Model: CL-D, MWH-D- NPB	Model: 34461 Size: 1/2"	34494, 34496 Size: 1"
Model: 520-T-AA & 520-	Model: WHB-A	Size: 1-1/4 inch	Quiet Pipes Hammer	Quiet Pipes Hammer
SC-AA Issued: 12/2/2004	Size: 3/4" NPT Issued: 4/28/2008	Water Hammer Arrestor Issued: 12/9/2004	Arrestor, F1807, Straight Issued: 4/18/2018	Arrestor, MIP, CPVC Socket, F1807 or
Amended: 2/13/2018				F1960,Straight
Revision: 2004	Revision: 2004 Model: WHB-B	Revision: 2004 Model: CL-E, MWH-E-	Revision: 2004 Model: 34463	Issued: 4/18/2018
Model: 520-T-B & 520-	Size: 1" NPT	NPB	Size: 3/4"	Revision: 2004
SC-B Issued: 12/2/2004	Issued: 4/28/2008	Size: 1-1/2 inch Water Hammer Arrestor	Quiet Pipes Hammer Arrestor, Male Sweat,	Model: 34479, 34489 Size: 1"
Amended: 2/13/2018	Revision: 2004	Issued: 12/9/2004	Straight	Quiet Pipes Hammer
Revision: 2004	Model: WHB-C Size: 1" NPT	Revision: 2004	Issued: 4/18/2018	Arrestor, MIP or Male Sweat/Press, Straight
Model: 520-T-C & 520-	Issued: 7/20/2009	Model: CL-F-NPB,	Revision: 2004	Issued: 4/18/2018
SC-C Issued: 12/2/2004	Revision: 2004	MWH-F-NPB Size: 2 inch	Model: 34465 Size: 3/8"	Revision: 2004
Amended: 2/13/2018	Model: WHB-D	Water Hammer Arrestor	Quiet Pipes Hammer	Model: 34480
Revision: 2004	Size: 1" NPT Issued: 7/20/2009	Issued: 12/9/2004	Arrestor, O.D. Compression x Female	Size: 1" Quiet Pipes Hammer
Model: 520-T-D & 520-		Revision: 2004	Tee	Arrestor, MIP, Straight
SC-D Issued: 12/2/2004	Revision: 2004 Model: WHB-E	Model: CLS-A Size: 1/2 inch	Issued: 4/18/2018	Issued: 4/18/2018
Amended: 2/13/2018	Size: 1" NPT	Water Hammer Arrestor	Revision: 2004	Revision: 2004
Revision: 2004	Issued: 7/20/2009	Issued: 12/9/2004	Model: 34467 Size: 5/8"	Model: 34483 Size: 3/4"
Model: 520-T-E & 520-	Revision: 2004	Revision: 2004	Quiet Pipes Hammer	Quiet Pipes Hammer
SC-E Issued: 12/2/2004	Model: WHB-F Size: 1" NPT	Model: CLS-B Size: 3/4 inch	Arrestor, O.D. Compression x Female	Arrestor, Male Sweat/Press, Straight
Amended: 2/13/2018	Issued: 7/20/2009	Water Hammer Arrestor	Tee	Issued: 4/18/2018
Revision: 2004	MIFAB, Inc.	Issued: 12/9/2004	Issued: 4/18/2018	Revision: 2004
Model: 520-T-F & 520-	Revision: 2004	Revision: 2004	Revision: 2004	Model: 34484, 34495
SC-F Issued: 12/2/2004	Model: CL-A/MWH-A Size: 1/2 inch NPT	Model: CLS-C Size: 1 inch	Model: 34471 Size: 1/2"	Size: 3/4" Quiet Pipes Hammer
Amended: 2/13/2018	Issued: 7/29/2003	Water Hammer Arrestor	Quiet Pipes Hammer	Arrestor, MIP or F1960,
Revision: 2004	Revision: 2004	Issued: 12/9/2004	Arrestor, PEX F1960 Tee Issued: 4/18/2018	Straight Issued: 4/18/2018
Model: 5210-B & 5210-	Model: CL-AA	Oatey Company		
B-SC Threaded & Sweat	Size: 1/2 inch Water Hammer Arrestor	Revision: 2004 Model: 34457	Revision: 2004 Model: 34472	Revision: 2004 Model: 34486
connections Issued: 1/30/2004	Issued: 12/9/2004	Size: 1/2"	Size: 1/2"	Size: 1/2" Quiet Pipes Hammer
Amended: 2/13/2018	Revision: 2004	Quiet Pipes Hammer Arrestor, Male Sweat,	Quiet Pipes Hammer Arrestor, PEX F1807 Tee	Arrestor, Male
Revision: 2004	Model: CL-AA/MWH-AA Size: 1/2 inch NPT	Straight Issued: 4/18/2018	Issued: 4/18/2018	Sweat/Press, Straight Issued: 4/18/2018
Model: 5220-C & 5220-	Issued: 7/29/2003	1550EU. 4/ 10/ 2018	Revision: 2004	155UEU. 4/ 10/ 2018
C-SC Threaded & Sweat			Model: 34473, 34475 Size: 1/4"	
connections			Quiet Pipes Hammer	
Issued: 1/30/2004 Amended: 2/13/2018			Arrestor, O.D. Compression Tee or	
ASSE Seal Authorizations	- January 23, 2019			Page 18

Revision: 2004 Model: 34487 Size: 1" Quiet Pipes Hammer Arrestor, Male Sweat/Press, Straight	Revision: 2004 Model: 90 Series - Unplated, 1/4-Turn Valves, White Handle Includes: 906185 w/ 1/4" Compression Outlet	Revision: 2004 Model: 906175, 39168 Size: 1/2" PEX with IM valve and green handle Issued: 1/28/2013	Revision: 2004 Model: MM-500CT-AA Size: 1/2" compression x 3/8" NPT Issued: 10/14/1998 Amended: 1/12/2009	Revision: 2004 Model: MM-500TSSO Size: 1/2' Tub/Shower Stub Out Issued: 11/30/2009
Issued: 4/18/2018 Revision: 2004 Model: 34488 Size: 1"	& 1/2" F-1960 Inlet, 906155 w/ 1/4" Compression Outlet & 1/2" NPSM / 1/2" Solder (Copper) Inlet, 906175	Revision: 2004 Model: 906185, 39169 Size: 1/2" Wirsbo with IM valve and green	Revision: 2004 Model: MM-500-FPF (CPVC)-AA Size: 1/2" female	Revision: 2004 Model: MM-500TSSO2 Size: 5/8" Tub/Shower Stub Out 2/outlet Issued: 11/30/2009
Quiet Pipes Hammer Arrestor, Male Sweat/Press, Straight Issued: 4/18/2018	w/ 1/4" Compression Outlet & 1/2" F-1807 Inlet, 906165 w/ 1/4" Compression Outlet &	handle Issued: 1/28/2013 Revision: 2004	connection Issued: 10/14/1998 Revision: 2004	Revision: 2004 Model: SBHA-1000C Size: 1 inch
Revision: 2004 Model: 34490 Size: 1"	1/2" CPVC Inlet, 906455 w/ 1/4" Compression Outlet & 3/8" F-1807 Inlet - Type AA	Model: 906455, 39170 Size: 3/8" PEX with IM valve and green handle	Model: MM-500L-AA Size: 3/4" male x female swivel hose Issued: 10/14/1998	Issued: 8/25/2015 Revision: 2004 Model: SBHA-1250D
Quiet Pipes Hammer Arrestor, Male Sweat/Press, Straight Issued: 4/18/2018	Issued: 8/12/2009 Revision: 2004 Model: 90 Series -	Issued: 1/28/2013 Precision Plumbing Products	Revision: 2004 Model: MM-500LS-AA Size: 1/2" sweat x 5/8"	Size: 1 inch Issued: 8/25/2015 Revision: 2004
Revision: 2004 Model: 34491	Unplated, One-Piece, 1/4-Turn, White Handle Includes: 9002303 w/	Revision: 2004 Model: MM-5001FCT Size: 3/8" Female Comp.	compression Issued: 10/14/1998	Model: SBHA-1500E Size: 1 inch Issued: 8/25/2015
Size: 1/2" Quiet Pipes Hammer Arrestor, CPVC Socket, Straight	1/4" Compression Outlet & 1/2" F-1960 Inlet, 9002263 w/ 1/4" Compression Outlet &	T Issued: 11/30/2009 Revision: 2004	Revision: 2004 Model: MM-500-MPF (CPVC)-AA Size: 1/2" male	Revision: 2004 Model: SBHA-2000F Size: 1 inch
Issued: 4/18/2018 Revision: 2004	1/2" NPSM / 1/2" Solder (Copper) Inlet, 9002283 w/ 1/4" Compression	Model: MM-5002 CPT- AA Size: 5/8" compression	connection Issued: 10/14/1998	Issued: 8/25/2015 Revision: 2004
Model: 34492, 34493 Size: 3/4" Quiet Pipes Hammer Arrestor, CPVC Socket or	Outlet & 1/2" F-1807 Inlet, 9002273 w/ 1/4" Compression Outlet & 1/2" CPVC Inlet,	tee Issued: 10/14/1998 Revision: 2004	Revision: 2004 Model: MM-500PEX-AA Size: 1/2" PEX barb fitting	Model: SBHA-500A Size: 3/4 inch Issued: 8/25/2015
F1807, Straight Issued: 4/18/2018	9002293 w/ 1/4" Compression Outlet & 3/8" F-1807 Inlet - Type	Model: MM-5002FCT Size: 5/8" Female Comp. T	Issued: 10/14/1998 Revision: 2004	Revision: 2004 Model: SBHA-750B Size: 1 inch
Revision: 2004 Model: 34497 Size: 1/2" Issued: 4/18/2018	AA Issued: 12/28/2009 Revision: 2004	Issued: 11/30/2009 Revision: 2004 Model: MM-5003 CPT-	Model: MM-500ST-AA Size: 1/2" sweat x 1/2" sweat Issued: 10/14/1998	Issued: 8/25/2015 Revision: 2004 Model: SC-1000
Amended: 12/3/2018 Revision: 2004	Model: 906052, 906062, 38400, 38401 Size: 1/2" NPT	AA Size: 3/8" compression tee	Amended: 1/12/2009 Revision: 2004	Size: w/ 1/2", 3/4", 1" NPT Issued: 5/11/2000
Model: 34498 Size: 1/2" Issued: 4/18/2018 Amended: 11/1/2018	with 1/4 turn valve and blue or red handle Issued: 1/28/2013	Issued: 10/14/1998 Revision: 2004 Model: MM-5004 CPT-	Model: MM- 500STRPEX19 Size: 3/4" PEX FITTING COUPLING	Amended: 3/9/2012 Revision: 2004 Model: SC-1000-C, SS-
Revision: 2004 Model: 38600 Size: 3/4" Hose Swivel	Revision: 2004 Model: 906092, 906102, 38408, 38409 Size: 1/2" PEX	AA Size: 1/4" compression tee Issued: 10/14/1998	Issued: 10/14/1998 Revision: 2004 Model: MM-500STRPEX-	1000-304, SS-1000-316 threaded connections Issued: 5/11/2000 Amended: 10/28/2009
Issued: 5/23/2006 Revision: 2004	with 1/4 turn valve and blue or red handle Issued: 1/28/2013	Revision: 2004 Model: MM-500ASCP-AA	AA Size: 5/8" standard Pex fitting	Revision: 2004 Model: SC-1250-D, SS-
Model: 38601 Size: 1/2" M NPT Issued: 5/23/2006	Revision: 2004 Model: 906112, 906122, 38404, 38405	Size: 5/8" cmpression angle stop Issued: 10/14/1998 Amended: 1/12/2009	Issued: 10/14/1998 Revision: 2004 Model: MM-500SWA-AA	1250-304, SS-1250-316 threaded connections Issued: 5/11/2000 Amended: 10/28/2009
Revision: 2004 Model: 39177 Size: 1/2" MIP Issued: 10/28/2009	Size: 1/2" Wirsbo with 1/4 turn valve and red or blue handle Issued: 1/28/2013	Revision: 2004 Model: MM-500ASTH- AA Size: 1/2" threaded	Size: 1/2" sweat Issued: 10/14/1998 Revision: 2004 Model: MM-500-TH-AA	Revision: 2004 Model: SC-1500-E, SS- 1500-304, SS-1500-316 threaded connections
Revision: 2004 Model: 90 Series Size: Size AA	Revision: 2004 Model: 906155, 39166 Size: 1/2" NPT	(FMIP) threaded angle stop Issued: 10/14/1998	Size: 1/2" threaded Issued: 10/14/1998 Amended: 7/14/2005	Issued: 5/11/2000 Amended: 10/28/2009
Issued: 5/27/2003	with IM valve and green handle Issued: 1/28/2013	Amended: 1/12/2009	Revision: 2004 Model: MM-500TS-AA Size: 1/2" sweat x 1/2" MIP Issued: 10/14/1998	Revision: 2004 Model: SC-2000-F, SS- 2000-304, SS-2000-316 threaded connections Issued: 5/11/2000 Amended: 10/28/2009
ASSE Seal Authorizations	l - January 23, 2019	I	l	Page 19

NPT Issued: 5/11/2000 Issued:	Revision: 2004 Model: SC-500 Size: w/ 1/2", 3/4", 1"	Revision: 2004 Model: SWA-2000-F sweat connections	NUT), HM 25L (1/2" OD COMP x 5/8" OD REVERSE NUT), HM 32L	Revision: 2004 Model: 660-G2 Size: 1/2 inch	TAHO Valves Revision: 2004 Model: 300-02T, 300-
Revision: 2004 Model: SVA-500-A Statuet: 5/11/2000 Model: SVA-500-A Statuet: 5/11/2000 Amended: 1/2/27 MC C C X Model: 5/04/2005 Amended: 1/2/27 MC C C X Model: SVA-750-B Model: SVA-750-B Statuet: 5/11/2000 Amended: 1/2/27 MC C C X Model: SVA-750-B Model: SVA-750-B Model: SVA-750-B Statuet: 5/11/2000 Amended: 1/2/27 MC C X Model: SVA-750-B Model: SVA-750-B Model: SVA-750-B Model: SVA-750-B Model: SVA-750-B Statuet: 5/11/2000 Amended: 1/2/27 MC C X Model: SVA-750-B Model: SVA-750-B Model: SVA-750-B Model: SVA-750-B Model: SVA-750-B Model: SVA-750-B Model: SVA-750-B Model: SVA-750-B Model: SVA-750-B Model: SC-750 Amended: 1/2/27 MC C X Model: SVA-750-B Model: SVA-750-B Model: SVA-750-B Model: SVA-750-B Model: SC-750- Model: SVA-750-B Model: SC-750- Model: SVA-750-B Model: SC-750- Model: SC-750- Mod	NPT Issued: 5/11/2000	Issued: 5/11/2000	(3/8" OD COMP x 1/2" OD REVERSE NUT), HM	straight adapter connection only	02TE, 300-02TN - 1/4"OD Compression
Interaded connections Revision: 2004 GOMP), HM 122 (127) Size: 3/4 / MIT × 3/4" Compression Tec; Amended: 7/14/2005 Sweat connections S	Model: SC-500-A, SS-	sweat connections	1/2" OD REVERSE NUT), HM 123 (1/2" MC x C x 3/8" OD COMP), HM 125	Revision: 2004	Compression Tee; 300- 04T, 300-04TE, 300-
Revision: 2004 Model: Sci 2004 Model: Virt 2, 3/4", 1/2 Revision: 2004 Model: Virt 2, 3/4", 1/2 Revision: 2004 Model: Virt 2, 3/4", 1/2 D65th -3/4" Male Nitz Model: Sci 2004 Model: Virt 3, 200 Nodel: Sci 2004 Model: 3/9/2012 PER A ge Valves Metals Size: Virt 1, 2/2 OD Tube Silp Size: 1/2 Inch 1, 6 Model: Sci 200 Revision: 2004 Model: MA Sci 2004 Model: Sci 200 B60 CZ, 660 CIV, 660 CIV, 660 CZ, 660 CIV, 660 CIV, 670 COMP X, 716 CIV, 716 CIV, 716 Size: 3/4 Inch CIV, 716 Size: 3/4 Inch CIV, 716 Size: 3/4 Inch CIV, 716 Size: 3/4 Inch CIV, 716 Size: 3/4 Inch Size: 5/8 CIV, 7200 CIV, 716 CIV, 716 Size: 3/4 Inch CIV, 716 Size: 3/4 Inch Size: 5/8 CIV, 7200 CIV, 717 CIV, 716 Size: 3/4 Inch Size: 5/8 CIV, 7200 CIV, 717 CIV, 716 Size: 3/4 Inch Size: 5/8 CIV, 7200 CIV, 717 CIV, 716 Size: 3/4 Inch Size: 1/7/2015 Size: 1/7/2015 S	threaded connections Issued: 5/11/2000 Amended: 7/14/2005,	Model: SWA-750-B sweat connections	COMP), HM 122 (1/2" MC x C x 1/2" OD COMP Issued: 1/4/2008	Size: 3/4" MHT x 3/4" FHT Issued: 2/28/2003	Compression Tee; 300-05T, 300-05TE, 300- 05TN -5/8"OD
NPT Essued: 5/1/2000 FT Ever Age Valves Metals Size: 1/2 inch model: 3/2/201 Geo-G2, 660-G1, 660- GT, 660-GT0, 660- GT, 660-GT0, 660- GT1, 660-GT0, 660- GT2, 660-GT0, 660- GT1, 660-GT0, 660- GT1, 660-GT0, 660- GT1, 660-GT0, 660- GT1, 660-GT0, 660- GT2, 660-GT0, 560- Size: 1/4" male thread: 5/28/2003 Size: 1/4" inch -Type AA Nodel: 55- Sob-actions Namended: 5/26/2009 Namended: 5/26/2009 Namended: 5/26/2009 Namended: 5/26/2009 Nodel: 55- Sisued: 1/7/2015 Size: 1/4" male thread 5/26/2009 Size: 1/4" male thread 5/26/2009 Size: 1/4" male thread 5/26/2009 Revision: 2004 X5/8" 0D COMPX X 5/8" 0D	Model: SC-750	Model: WHA-500L	Revision: 2004	Model: 660-LV, 660-	06SHN -3/4"Male N11x Female Swivel NH; 300-
Revision: 2004 Model: HM Series (F1960 PEX) GTX2 COMPx3/8*00 COMP, Nodel: Sc750-316 PEX), HM 25(1/2*PKX1/2* F1960 PEX) GTX2 COMPx3/8*00 COMP, Issued: 5/11/2000 Amended: 7/14/2005, GTX2 COMPx3/8*00 COMP, Invested: 5/11/2000 M38 (3/8* 0D COMP X 1/4* 0D COMP), Revision: 2004 ComPx 1/4* 0D COMP, Model: SS-500-306BNX GOMP X 3/8* 0D COMP X 7/10* Size: 3/4 inch of: 6 (MIP), Revision: 2004 Model: 655-4 Size: 3/4 inch of: 6 (MIP), Nodel: SS-500-306BNX COMP X 3/8* 0D COMP X 3/8* GOMP X 3/8* 0D COMP X 3/8* Revision: 2004 Revision	NPT Issued: 5/11/2000	Metals	With options of: A (MIP), AS (Sweat), AC (CPVC),	GT, 660-GTC0, 660- GTC1, 660-GTR, 660-	Joint Tee; 300-03FT, 300-03FTE, 300-03FTN -
threaded connections Issued: 1/1/2000 Amended: 7/14/2005, Amended: 7/14/2006, Amended: 7/14/2006, Amended: 7/14/2006, Amended: 7/14/2006, Amended: 7/14/2006, Amended: 7/14/2006, Amended: 7/14/2006, Amended: 7/14/2006, Amended: 7/14/2005, Amended: 7/14/2006, Amended: 7/14/2008, Amended: 7/14/2008, Amend	Model: SC-750-B, SS-	Model: HM Series HM 2P (1/2" PEX X 1/2" PEX), HM 14(1/4" OD	(F1960 PEX) Issued: 6/1/2000	GTX2 Size: 1/4" male thread	COMPx3/8"OD COMP, 300-06SHW, 300- 06SHWE, 300-06SHWN
Revision: 2004 OD COMP J, HM 12 (1/2" With options of: B (MIP), B (Sweat) (2/28/2013 Amended: 10/26/2009 Model: SS - 500-304BXX freaded connections COMP X (38" OD COMP, JK 38" (3/8" OD COMP X 138") Size: 1580 - 752, 128, 2003 Amended: 10/26/2009 Revision: 2004 Model: SS - 503-404BXX freaded connections Size: 100 - 204, 212, 228, 2013 Amended: 10/26/2009 Size: 1/7/2015 Size: 000 - 204, 238, 200, 200, 238, 200, 200, 238, 200, 200, 200, 238, 200, 200, 200, 200, 200, 200, 200, 20	Issued: 5/11/2000 Amended: 7/14/2005,	COMP X 1/4" OD COMP), HM 38 (3/8" OD COMP X 3/8" OD COMP), HM 76 (Revision: 2004 Model: 653	Amended: 9/4/2008, 2/28/2013	3/4" FSHT x MHT (straight) - Size: 1/4 inch -Type AA
threaded connections COMP X 3/8" OD COMP, MS 85 (5% OD COMP, M 38, (3/8" OD COMP X 3/8" OD COMP X (3/8" OD COMP X 3/8" OD COMP X (3/8" OD COMP X 3/8" OD REVERSE NUT), HM Steuet: 1/7/2015 Amended: 2/28/2013 Model: 300-33P, 300- 30FE, 300-03P, 300- Wodel: 55-4 Revision: 2004 (3/8" OD COMP X 3/8" OD REVERSE NUT), HM Steuet: 1/7/2015 Revision: 2004 Re	Revision: 2004	ÓD COMP), HM 12 (1/2" OD COMP X 1/2" OD	With options of: B (MIP), BS (Sweat), BC (CPVC),	Model: 660-LVS Size: 5/8" Female Thread	Amended: 10/26/2009
Model: S5-750-304BNX ÖD REVERSE NUT), HM Revision: 2004 Jisued: 1/1/2015 Jisued: 1/2/2005 Revision: 2004 X3/8" OD REVERSE NUT), Model: S5-1000-304BNX Model: S5-100-304BNX Model: S5-100-304BNX Revision: 2004 Model: S5-100-304BNX Model: S5-1250-304BNX Min J2 (1/2" MIP X 5/8" OD COMP) NuT) HM 22 (1/2" Revision: 2004 Revision: 2004 Revision: 2004 Revision: 2004 Model: 300-04A- 1/2" NPT Revision: 2004 HM 122 (1/2" FCX 1/2" Revision: 2004 Revision: 2004 Revision: 2004 Model: 300-04C, 300-04C, 310-04C, 310-04C, 300-04C, 300-04C, 310-04C, 310-0	threaded connections Issued: 1/7/2015	COMP X 3/8" OD COMP), HM 58 (5/8" OD COM X 5/8" OD COMP), HM 38L	(F1960 PEX) Issued: 6/1/2000	Amended: 2/28/2013 Revision: 2004	Model: 300-03P, 300- 03PE, 300-03PN - 3/8" PEX
Revision: 2004 X 5/8" OD REVERSE CS (Sweat), CC (CPVC), CX Model: 660-02 Model: 300-04A- 1/2" NUTJ: HM 23 (1/2" MIP X 5/8" OD COMP), HM 25 Size d: (5/12/00) Amended: 5/4/2016, Size d: 2/28/2003 Model: 300-04A- 1/2" Revision: 2004 MIP X 1/2" OD COMP), HM 22 (1/2" Amended: 5/26/2009 Size d: 2/28/2003 Model: 300-04CN - 1/2" Revision: 2004 MIP X 1/2" OD COMP), HM 22 (1/2" Amended: 5/26/2009 Size d: 1/7/2015 Revision: 2004 Model: 300-04CN - 1/2" Revision: 2004 FCxC, S/8" OD COMP), HM 21C (1/2" FCxC X/2" OD Model: 655 Model: 655 Size d: 1/7/2015 FcxC S/8" OD COMP), HM 21C (2" Size d: 1/2000 Amended: 9/4/2008, 4/7/2009 Amended: 9/4/2008, 4/7/2009 Amended: 10/26/2009 Revision: 2004 MOP, HM 3 (3/4" MIP), HM 3 (3/4" FMT), Size (3/12/2000 Revision: 2004 Model: 300-04MN - 3/4" Model: SX-11/2000 (3/4" MCC), HM 3 (3/4" FMT), Size (3/12/2000 Revision: 2004 Model: 605-V2B Model: 605-V2B	Model: SS- 750-304BNX threaded connections	OD REVERSE NUT), HM 53L (5/8" OD COMP X 3/8" OD REVERSE NUT),	Model: 654 Size: 1 inch	Size: 1/4" male thread Issued: 2/28/2003	Issued: 10/10/2005
Issued: 1/7/2015 [1/2" MIP X 5/8" OD COMP), HM 22 (1/2" MIP X 1/2" OD COMP); Issued: 6/1/2000 Amended: 5/26/2009 Amended: 5/4/2016, 5/19/2016 Revision: 2004 Model: 300-04C, 300- 04CE, 300-04CN - 1/2" Revision: 2004 MIP X 1/2" OD COMP); Model: 655 Revision: 2004 Model: 652 Size: 1 inch Size: 1 /2" Sweat) Issued: 6/1/2000 Revision: 2004 Revision: 2004 Revision: 2004 Model: 502 Revision: 2004 Model: 660-T22 Revision: 2004 Model: 660-T22 Revision: 2004 Model: 502 Model: 660-T22 Model: 60-04M, 300-04M, 300-06MC, 3/4" McxCl, HM 2PX Size: 1 inch Size: 1 /2"	Model: SS-1000-304BNX	X 5/8" OD REVERSE NUT); HM 23 (1/2" MIP X	CS (Sweat),CC (CPVC), CX (F1807 PEX), CWG	Model: 660-Q2 Size: 1/2" Push Fitting	Model: 300-04A- 1/2" NPT
threaded connections Issued: 1/7/2015 FCxC (); HM 2C5 (1/2" FCx C X 5/8" OD COMP), HM 2C3 (1/2" FCx C X) Model: 655 Size: 1 inch With options of: D (MIP), DS (sweat) Model: 660-58 Size: 1/2" Sweat Female Sweat Type AA Revision: 2004 Model: SS-1500-304BNX threaded connections Issued: 1/7/2015 3/8" OD COMP), HM 2C1 (2/2" FCx C X 1/2" OD COMP), HM 3 (3/4" MIP), HM 3 (3/4" MIX threaded connections Issued: 1/7/2015 Revision: 2004 Model: 656 Revision: 2004 Model: 660-722 Revision: 2004 Model: 660-722 Revision: 2004 Model: 660-722 Model: 600-74200 Model: 600-742000 Revision: 2004 Model: 660-722 MIP; 300-04MIX -1/2" Revision: 2004 Model: SV20100-C Sweat connections Issued: 5/11/2000 (3/4" MCC), HM 32C (1/2" MCC), HM 3 (3/4" FEX), HM 3 CPVC (3/4" CPVC), HM1 3 (3/4" FEX), HM 3 CPVC (3/4" CPVC), HM1 3 (3/4" FEX), HM 3 CPVC Revision: 2004 Revision: 2004 Model: 567 Revision: 2004 Model: 660-728 Model: 660-728 Size: 1/2" CPVC Issued: 5/12/2009 Size: 1/2" Male Sweat; 300- 06MC, 300-06MC -3/4" Male Sweat; 300-03PT, 300-03PT	Issued: 1/7/2015 Revision: 2004	(1/2" MIP X 5/8" OD COMP), HM 22 (1/2" MIP X 1/2" OD COMP):	İssued: 6/1/2000 Amended: 5/26/2009	Amended: 5/4/2016, 5/19/2016	Revision: 2004 Model: 300-04C, 300-
Revision: 2004 Model: SS-1500-304BNX threaded connections Issued: 1/7/2015 3/8" OD CÓMP), HM 2(22 (1/2" FCxC X 1/2" OD CMP), HM 2 (1/2" MIP), HM 3 (3/4" MIP), HM 1CM (1/4" OD COMP), HM 5CM (5/8" OD COMP), HM 5CM (5/8" OD COMP), HM 5CM (5/8" OD COMP), HM 2CM (5/8" OD COMP), HM 3CM (5/8" OD COMP), HM 2CM (5/8" OD COMP), HM 3CM (5/8" OD COMP), HM 2CM (5/8" OD COMP), HM 2CM (5/8" OD COMP), HM 3CM (5/8" OD COMP), HM 2CM (5/8" OD COMP), HM 3CM (5/8" OD COMP), HM 2CM (5/8" OD COMP), HM 3CM (5/8" OD COMP), HM 3CM (5/8" OD COMP), HM 2CM (5/8" OD COMP), HM 3CM (5/8" OD COMP), HM 3CM (5/8" OD COMP), HM 2CM (5/8" OD COMP), HM 3CM (5/8" OD COMP), HM 2CM (5/8" OD COMP), HM 3CM (5/8" PEX), HM 3PX (3/4" PEX, S/4" FHT), HM 3PX (3/4" PEX, S/4" PEX), HM 3 CPVC (3/4" PEX S)/4" PEX (3/4" PEX S)/4" PEX (threaded connections	FCxC), HM 2C5 (1/2" FCxC X 5/8" OD COMP),	Model: 655 Size: 1 inch	Model: 660-SB Size: 1/2''' Sweat	Female Sweat Type AA
HM 1CM (1/4" OD COMP), HM 3CM (3/8" Model: SS-2000-304BNX threaded connections Issued: 1/7/2015 HM 1CM (1/4" OD COMP), HM 3CM (3/8" Model: SS-2000-304BNX (5/8" OD COMP), HM 2CM (1/2" MCxC), HM 3C (3/4" MCxC), HM 2PX (3/4" FHT), HM 1PX (3/4" FPX), HM 3 CPVC (3/4" CPVC), HM Model: SWA-1250-D sweat connections Issued: 5/11/2000 Model: 60-T22 (MIP, 300-04MC, 300- (1/2" McxC), HM 2PX (3/4" FHT), HM 1PX (3/4" FHT), HM 1PX (3/4" FHT), HM 1PX (3/4" FPX), HM 3 CPVC (3/4" CPVC), HM Model: SWA-1250-D sweat connections Issued: 5/11/2000 Revision: 2004 (3/4" PEX, 3/4" PEX), HM 3 CPVC (3/4" PEX 3	Model: SS-1500-304BNX threaded connections	3/8" OD COMP), HM 2C2 (1/2" FCxC X 1/2" OD COMP), HM 2 (1/2"	DS (Sweat) Issued: 6/1/2000	Amended: 9/4/2008, 4/7/2009	Amended: 10/26/2009 Revision: 2004
threaded connections Issued: 1/7/2015 (5/8" OD COMP), HM 2C (1/2" MCxC), HM 3C (3/4" MCxC), HM 2PX (3/4" MCxC), HM 2PX (1/2" PEX), HM 2PX (1/2" PEX), HM 3PX (3/4" PEX), HM 2CVC (1/2" sweat connections Issued: 5/11/2000 With options of: E (MIP), ES (Sweat) Issued: 5/26/2009 Amended: 9/4/2008 1/2" Male Sweat; 300- 06MC, 300-06MCE, 300-06MC -3/4" Male Sweat; Revision: 2004 Model: SWA-1000-C sweat connections Issued: 5/11/2000 PEX), HM 3CVC (1/2" CPVC), HMH 3 (3/4" FHT X 3/4" FHT), HM 1PX (3/8" PEX), HM 3 CPVC (3/4" CPVC), HM Revision: 2004 Model: 657 Size: 1 inch With options of: F (MIP), FS (Sweat) Amended: 9/4/2008 1/2" Male Sweat; 300- 06MC, 300-06MC -3/4" Male Sweat; Revision: 2004 Model: SWA-1250-D sweat connections Issued: 5/11/2000 Y/4" CPVC, HM (1/2" RH), HM 1P (3/8" PEX x 3/4" PEX), HM 22 WB (1/2" WB x 1/2" WB), HM 22RH (1/2" RH x 1/2" RH), HM 3P (22L (1/2" OD COMP x 1/2" OD REVERSE NUT), HM 23L (1/2" OD COMP Amended: 5/26/2009 Amended: 9/4/2008 1/2" CPVC Issued: 6/1/2000 Amended: 5/26/2009 Revision: 2004 Model: SWA-1500-E sweat connections Issued: 5/11/2000 HM 22 WB (1/2" WB x 1/2" OD COMP x 1/2" OD COMP x 1/2" OD REVERSE NUT), HM 23L (1/2" OD COMP Amended: 5/26/2009 Mith options of: F (MIP), FS (Sweat) Mith options of: F (MIP), FS (Sweat) FEX x 3/8" PEX TEE; 300-04PTN -1/2" PEX TEE; 300-04PTN -1/2" PEX TEE; 300-04PTN -1/2" PEX TEE; 300-04PTN -3/8" MIP; 300-06MR, 300- 06ME, 300-06MR, 300- 06ME, 300-06MR - 3/4" MIP Chrome; 300-	Revision: 2004	HM 1CM (1/4" OD COMP), HM 3CM (3/8"	Model: 656	Model: 660-T22 Size: 1/2" sweat	04ME, 300-04MN -1/2" MIP; 300-04MC, 300-
Model: SWA-1000-C sweat connections Issued: 5/11/2000 PEX), HM 2CPVC (1/2" CPVC), HMH 3 (3/4" FHT, X 3/4" FHT), HM 1PX (3/8" PEX), HM 3 CPVC Size: 1/2" CPVC Issued: 2/28/2003 300-04V, 300-04VE, 300- 04VN -1/2" CPVC; 300- 05, 300-05E, 300-05N - 5/8" OD Compression; Size: 1 inch Revision: 2004 Model: SWA-1250-D sweat connections Issued: 5/11/2000 (3/4" CPVC), HM 2WB(1/2" WB), HM 2RH (1/2" RH), HM 1 P (3/8" PEX x 3/8" PEX), HM 3P (3/4" PEX x 3/4" PEX), HM 22 WB (1/2" WB x 1/2" WB), HM 22RH (1/2" RH x 1/2" RH), HM 22 WB (1/2" WB x 1/2" OD COMP x 1/2" OD REVERSE NUT), HM 23L (1/2" OD COMP Amended: 5/26/2009 Size: 1/2" CPVC Issued: 2/28/2003 Amended: 9/4/2008 300-04V, 300-04VE, 300- 04VN -1/2" CPVC; 300- 05, 300-05E, 300-05E, 300-05E, 300-05E, 300-05E, 300-05E, 300-05F, 5/8" OD Compression; Size: 1 inch With options of: F (MIP), FS (Sweat) Size: 1 /2" CPVC; 300- 05, 300-03PTE, 300-03PTE, 300-04PT, 300- 04PTE, 300-04PTN -1/2" PEX TEE; 300-03MN, 300- 03ME, 300-03MN, 300- 06ME, 300-06MR, 300- 06MRE, 300-06MR, 300- 06MRE, 300-06MR, 300- 06MRE, 300-06MR, 300- 06MRE, 300-06MR, 300-	threaded connections Issued: 1/7/2015	(5/8" OD COMP), HM 2C (1/2" MCxC), HM 3C (3/4" MCxC), HM 2PX	With options of: E (MIP), ES (Sweat) Issued: 6/1/2000	Amended: 9/4/2008 Revision: 2004	1/2" Male Sweat; 300- 06MC, 300-06MCE, 300-06MCN -3/4" Male
Revision: 2004 Model: SWA-1250-D sweat connections Issued: 5/11/2000 (3/8" PEX), HM 3 CPVC (3/4"CPVC), HM Size: 1 inch With options of: F (MIP), FS (Sweat) 5/8" OD Compression; 300-03PT, 300-03PTE, 300-03PT, 300-03PTE, 300-03PTN -3/8" PEX Revision: 2004 Model: SWA-1500-E sweat connections Issued: 5/11/2000 PEX x 3/8" PEX), HM 3 P (3/4" PEX x 3/4" PEX), HM 22 WB (1/2" WB x 1/2" WB), HM 22RH Amended: 5/26/2009 Odepted for the second odepted for the second for the	Model: SWA-1000-C sweat connections	PEX), HM 2CPVC (1/2" CPVC), HMH 3 (3/4" FHT	Revision: 2004	Size: 1/2" CPVC Issued: 2/28/2003	300-04V, 300-04VE, 300- 04VN -1/2" CPVC; 300-
Issued: 5/11/2000 PEX x 3/8" PEX), HM 3P (3/4" PEX x 3/4" PEX), HM 22 WB (1/2" WB x Model: Amended: 5/26/2009 04PTE, 300-04PTN -1/2" PEX TEE; 300-03M, 300- 03ME, 300-03MN -3/8" MIP; 300-06MN, 300- 06ME, 300-06MN -3/4" sweat connections Issued: 1/2" WB, HM 22RH (1/2" RH x 1/2" RH), HM 22L (1/2" OD COMP x 1/2" OD REVERSE NUT), HM 23L (1/2" OD COMP MiP: 300-06MR, 300- 06MRE, 300-06MRN - 3/4" MIP Chrome; 300-	Revision: 2004 Model: SWA-1250-D	(3/8" PEX), HM 3 CPVC (3/4"CPVC), HM 2WB(1/2" WB), HM 2RH	Size: 1 inch With options of: F (MIP), FS (Sweat)	7 intended: 57 47 2000	5/8" OD Compression; 300-03PT, 300-03PTE, 300-03PTN -3/8" PEX
Model: SWA-1500-E 1/2" WB), HM 22RH MIP; 300-06M, 300- sweat connections (1/2" RH x 1/2" RH), HM 06ME, 300-06MN -3/4" Issued: 5/11/2000 22L (1/2" OD COMP x MIP; 300-06MR, 300- 1/2" OD REVERSE NUT), MIP 23L (1/2" OD COMP 3/4" MIP Chrome; 300-	Issued: 5/11/2000	PEX x 3/8" PEX), HM 3P (3/4" PEX x 3/4" PEX),			04PTE, 300-04PTN -1/2" PEX TEE, 300-03M, 300-
HM 23L (1/2" OD COMP 3/4" MÍP Chrome; 300-	Model: SWA-1500-E sweat connections	1/2" WB), HM 22RH (1/2" RH x 1/2" RH), HM 22L (1/2" OD COMP x			MIP; 300-06M, 300- 06ME, 300-06MN -3/4" MIP; 300-06MR, 300-
ASSE Seal Authorizations - January 23, 2019 Page 20	ASSE Seal Authorizations	HM 23L (1/2" OD COMP x 3/8" OD REVERSE			3/4" MÍP Chrome; 300- 04VF, 200-04VFE, 300-

04VFN -1/2" CPVC Fem;	Revision: 2004	Revision: 2004	Revision: 2004	Revision: 2004
300-04-1, 300-04-1E,	Model: 300-14E - 1 1/2"	Model: 15M2-AS,	Model: 15M2-F,	Model: 1250AA-3
300-04-1N - 5/8" UNS;	NPT	LF15M2-AS	LF15M2-F	(Z1705AA-3,
300-04MCW, 300-	Issued: 2/12/2009	Size: 1/2"	Size: 2"	WH2950AA-3), 1250AA-
04MCWE, 300-04MCWN		Issued: 7/8/2010	Issued: 7/8/2010	3C (Z1705AA-3C,
1/2" Male Sweat (longer	Revision: 2004	Amended: 10/26/2012,	Amended: 10/26/2012,	WH2950AA-3C) &
tube); 300-06 MCW,	Model: 300-20F - 2" NPT	8/24/2018	8/24/2018	1250AA-3V (Z1705AA-
300-06MCWE, 300-	Issued: 2/12/2009			3V, WH2950AA-3V)
06MCWN - 3/4" Male		Revision: 2004	Revision: 2004	Size: 1/2"
Sweat (longer tube) Size:	Taizhou Yongtong Brass	Model: 15M2-B,	Model: 15M2-FS,	w/ M NPT, M Sweat &
1/2 inch- Type AA	Industry Co., LTD	LF15M2-B	LF15M2-FS	CPVC
Issued: 9/29/2004	Revision: 2004	Size: 3/4"	Size: 2"	Issued: 10/12/2004
Amended: 12/9/2008,	Model: HA-001 & HA-	Issued: 7/8/2010	Issued: 7/8/2010	Amended: 8/17/2012
10/26/2009	001-LL Size: AA w/ sweat	Amended: 10/26/2012, 8/24/2018	Amended: 10/26/2012,	Revision: 2004
Revision: 2004	connections	0/24/2010	8/24/2018	Model: 1250AA-4P
Model: 300-04P, 300-	Issued: 4/21/2010	Revision: 2004	Revision: 2004	(Z1705AA-4P,
04PE, 300-04PN - 1/2"	Amended: 7/12/2010	Model: 15M2-BS,	Model: LF05, 05 (MIP),	WH2950AA-4P)
PEX	Amended: 7/12/2010	LF15M2-BS	05-BSPP (MIP[BSPF]),	Size: 5/8" OD COMP
Type AA	Wade Specification	Size: 3/4"	LF05-S, 05-S (Male	Issued: 10/12/2004
Issued: 10/10/2005	Drainage Products	Issued: 7/8/2010	Sweat), 05-CPVC (CPVC),	100 10, 12, 200 1
Amended: 10/26/2009	Revision: 2004	Amended: 10/26/2012,	LF05-PEX-T, 05-PEX-T	Revision: 2004
	Model: 4480 A	8/24/2018	(PEX Tee), LF05-QC, 05-	Model: 1250AA-5C
Revision: 2004	Size: 3/4 inch NPT Type		QC (Male Sweat)	(Z1705AA-5C,
Model: 300-04WN -	A	Revision: 2004	Size: 1/2"	WH2950AA-5C) &
1/2" Wirsbo (F1960)	SS Bellows Shokstop	Model: 15M2-C,	Issued: 6/8/2009	1250AA-5H (Z1705AA-
Issued: 9/29/2004	Issued: 6/3/2015	LF15M2-C		5H, WH2950AA-5H)
Amended: 6/28/2017		Size: 1"	Revision: 2004	Size: 3/4"
	Revision: 2004	Issued: 7/8/2010	Model: LF05, 05 (MIP),	with M SWEAT & Hose
Revision: 2004	Model: 4480 B	Amended: 10/26/2012,	LF05-PEX-T, 05-PEX-T	Swivel
Model: 300-04WTN -	Size: 1 inch NPT Type B	8/24/2018	(PEX Tee), LF05-C-T, 05-	Issued: 10/12/2004
1/2" Wirsbo Tee (F1960)	SS Bellows Shokstop	Povision, 2004	C-T (OD Compression	Amended: 8/17/2012
lssued: 9/29/2004 Amended: 6/28/2017	Issued: 6/3/2015	Revision: 2004 Model: 15M2-CS,	Tee), LF05-CXT, 05-CXT (OD Fem. Compression x	Revision: 2004
Amenueu. 0/28/2017	Revision: 2004	LF15M2-CS	OD Compression), W05-	Model: 1260XL-A /
Revision: 2004	Model: 4480 C	Size: 1"	06S (OD Fem.	WH2950-A-XL
Model: 300-05FT, 300-	Size: 1 inch NPT Type C	Issued: 7/8/2010	Compression x OD	Issued: 8/15/2018
05FTE, 300-05FTN - 5/8"	SS Bellows Shokstop	Amended: 10/26/2012,	Compression)	135000. 0/ 13/ 2010
OD Female Compression	Issued: 6/3/2015	8/24/2018	Size: 3/8"	Revision: 2004
x 5/8" OD Comp Tee	10000001 0, 0, 2020	0, = ., =010	Issued: 6/8/2009	Model: 1260XL-B /
Type AA	Revision: 2004	Revision: 2004		WH2950-B-XL
Issued: 10/10/2005	Model: 4480 D	Model: 15M2-D,	Revision: 2004	Issued: 8/15/2018
Amended: 10/26/2009	Size: 1 inch NPT Type D	LF15M2-D	Model: LF05-C, 05-C	
	SS Bellows Shokstop	Size: 1 1/4"	(OD Compression), 05-	Revision: 2004
Revision: 2004	Issued: 6/3/2015	Issued: 7/8/2010	CXT (OD Fem.	Model: 1260XL-C /
Model: 300-06B - 3/4"		Amended: 10/26/2012,	Compression x OD	WH2950-C-XL
NPT	Revision: 2004	8/24/2018	Compression), W05-10S	Issued: 8/15/2018
Issued: 2/12/2009	Model: 4480 E	Povision, 2004	- OD Fem. Compression	Dovision: 2004
Revision: 2004	Size: 1 inch NPT Type E SS Bellows Shokstop	Revision: 2004	x OD Compression) Size: 5/8"	Revision: 2004
Model: 300-06C, 300-	Issued: 6/3/2015	Model: 15M2-DS, LF15M2-DS	Issued: 6/8/2009	Model: 1260XL-D / WH2950-D-XL
06CE, 300-06CN - 3/4"	Issued. 0/3/2013	Size: 1 1/4"	Issueu. 0/8/2009	Issued: 8/15/2018
Female Sweat	Revision: 2004	Issued: 7/8/2010	Revision: 2004	135000. 0/15/2010
Type AA	Model: 4480 F	Amended: 10/26/2012,	Model: LF05H, 05H	Revision: 2004
Issued: 10/10/2005	Size: 1 inch NPT Type F	8/24/2018	(Female Swivel Hose	Model: 1260XL-E /
Amended: 10/26/2009	SS Bellows Shokstop	, ,	Thread x Male Hose	WH2950-E-XL
	Issued: 6/3/2015	Revision: 2004	Thread - Straight),	Issued: 8/15/2018
Revision: 2004		Model: 15M2-E,	LF05H-M1, 05H-M1	
Model: 300-06P, 300-	Watts Regulator	LF15M2-E	(Female Swivel Hose	Revision: 2004
06PE, 300-06PN - 3/4"	Company	Size: 1 1/2"	Thread x Male Hose	Model: 1260XL-F /
PEX	Revision: 2004	Issued: 7/8/2010	Thread - Angle), 05A-CH	WH2950-F-XL
Type AA	Model: 05-C-T & W05-	Amended: 10/26/2012,	(MIP), LF05-S, 05-S	Issued: 8/15/2018
Issued: 10/10/2005	1M (OD Compression	8/24/2018	(Male Sweat), 05-QC	
Amended: 10/26/2009	Tee) Size: 1/4"	Povision: 2004	(Male Sweat)	Wolseley PLC c/o Ho
Revision: 2004		Revision: 2004 Model: 15M2-ES,	Size: 3/4"	Sing Enterprises Revision: 2004
Model: 300-10C - 1" NPT	Issued: 6/8/2009	LF15M2-ES,	Issued: 6/8/2009	Model: FNW10PD
Issued: 2/12/2009	Revision: 2004	Size: 1 1/2"	Wilkins / A Division of	Size: 1/2 MNPT
1354Cu. 2/ 12/2005	Model: 15M2-A,	Issued: 7/8/2010	Zurn	1/2 MNPT COMM WTR
Revision: 2004	LF15M2-A	Amended: 10/26/2012,	Revision: 2004	HAMM ARRESTOR
Model: 300-12D - 1 1/4"	Size: 1/2"	8/24/2018	Model: 1250AA-2PT	
NPT	Issued: 7/8/2010		(Z1705AA-2PT,	Issued: 9/13/2005
Issued: 2/12/2009	Amended: 10/26/2012,		WH2950AA-2PT)	. ,
	8/24/2018		Size: 3/8" OD COMP TEE	
			Issued: 10/12/2004	
			Issued: 10/12/2004	

Revision: 2004 Model: FNW10PF Size: 3/4 MNPT 3/4 MNPT COMM WTR HAMM ARRESTOR	Revision: 2004 Model: FNWSC1000 Size: w/ 1" - 11-1/2 NPTF Connection Brand Name: FNW ™	Revision: 2004 Model: FNWSWA750 (Cylinder Cap Style) Size: w/ 3/4" Male Sweat Connection	Revision: 2004 Model: FNWX11PG Size: 1 SWT LF 1 SWT COMM WTR HAMM ARRESTOR	Revision: 2004 Model: FNWXSWA1250 Size: 1-1/4 SWT LF 1-1/4 SWT COMM WTR HAMM ARRESTOR
Issued: 9/13/2005	Issued: 9/13/2005 Amended: 4/28/2008	Brand Name: FNW ™ Issued: 9/13/2005	Issued: 9/13/2005	Issued: 9/13/2005
Revision: 2004 Model: FNW10PG Size: 1 MNPT 1 MNPT COMM WTR HAMM ARRESTOR	Revision: 2004 Model: FNWSC1250 Size: w/ 1-1/4" - 11-1/2 NPTF Connection Brand Name: FNW ™ Issued: 9/13/2005	Amended: 4/28/2008 Revision: 2004 Model: FNWX10PD Size: 1/2 MNPT LF 1/2 MNPT COMM WTR HAMM ARRESTOR	Revision: 2004 Model: FNWX11PH Size: 1-1/4 SWT LF 1-1/4 SWT COMM WTR HAMM ARRESTOR Issued: 9/13/2005	Revision: 2004 Model: FNWXSWA500 Size: 1/2 SWT LF 1/2 SWT COMM WTR HAMM ARRESTOR
Issued: 9/13/2005	Amended: 4/28/2008	Issued: 9/13/2005	Revision: 2004 Model: FNWXSC1000	Issued: 9/13/2005
Revision: 2004 Model: FNW10PH Size: 1-1/4 MNPT 1-1/4 MNPT COMM WTR HAMM ARRESTOR	Revision: 2004 Model: FNWSC1500 Size: w/ 1-1/2" - 11-1/2 NPTF Connection Brand Name: FNW ™ Issued: 9/13/2005	Revision: 2004 Model: FNWX10PF Size: 3/4 MNPT LF 3/4 MNPT COMM WTR HAMM ARRESTOR	Size: 1 MNPT LF 1 MNPT COMM WTR HAMM ARRESTOR Issued: 9/13/2005	Revision: 2004 Model: FNWXSWA750 Size: 3/4 SWT LF 3/4 SWT COMM WTR HAMM ARRESTOR
Issued: 9/13/2005	Amended: 4/28/2008	Issued: 9/13/2005	Revision: 2004 Model: FNWXSC1250	Issued: 9/13/2005
Revision: 2004 Model: FNW10PJ Size: 1-1/2 MNPT 1-1/2 MNPT COMM WTR HAMM ARRESTOR	Revision: 2004 Model: FNWSC2000 Size: w/2" - 11-1/2 NPTF Connection Brand Name: FNW ™ Issued: 9/13/2005	Revision: 2004 Model: FNWX10PG Size: 1 MNPT LF 1 MNPT COMM WTR HAMM ARRESTOR	Size: 1-1/4 MNPT LF 1-1/4 MNPT COMM WTR HAMM ARRESTR Issued: 9/13/2005	Revision: 2004 Model: PF660TRB Size: w/ 5/8" O.D. FEM COMP. x 5/8" O.D. COMP. Connectio Brand Name: PROFLO®
lssued: 9/13/2005	Amended: 4/28/2008	Issued: 9/13/2005	Revision: 2004 Model: FNWXSC1500	Issued: 8/10/2009
Revision: 2004 Model: FNW10PK Size: 2 MNPT 2 MNPT COMM WTR HAMM ARRESTOR Issued: 9/13/2005	Revision: 2004 Model: FNWSC500 Size: w/ 1/2" - 14 NPTF Connection Brand Name: FNW ™ Issued: 9/13/2005 Amended: 4/28/2008	Revision: 2004 Model: FNWX10PH Size: 1-1/4 MNPT LF 1-1/4 MNPT COMM WTR HAMM ARRESTR	Size: 1-1/2 MNPT LF 1-1/2 MNPT COMM WTR HAMM ARRESTR Issued: 9/13/2005 Revision: 2004	Revision: 2004 Model: PF660TRBC Size: w/ 3/8" O.D. FEM COMP. X 3/8" O.D. COMP. Connectio Brand Name: PROFLO® Issued: 3/11/2009
Revision: 2004 Model: FNW11PD Size: 1/2 SWT COMM WTR HAMM ARRESTOR Issued: 9/13/2005	Revision: 2004 Model: FNWSC750 Size: w/ 3/4" - 14 NPTF Connection Brand Name: FNW ™ Issued: 9/13/2005 Amended: 4/28/2008	Issued: 9/13/2005 Revision: 2004 Model: FNWX10PJ Size: 1-1/2 MNPT LF 1-1/2 MNPT COMM WTR HAMM ARRESTR	Model: FNWXSC2000 Size: 2 MNPT LF 2 MNPT COMM WTR HAMM ARRESTOR Issued: 9/13/2005 Revision: 2004	Revision: 2004 Model: PFMM5002CPT Size: w/ 5/8" O.D. Compression Tee Fitting Connection Brand Name: PROFLO® Issued: 9/13/2005
Revision: 2004 Model: FNW11PF Size: 3/4 SWT 3/4 SWT COMM WTR HAMM ARRESTOR Issued: 9/13/2005	Revision: 2004 Model: FNWSWA1000 (Cylinder Cap Style) Size: w/ 1" Male Sweat Connection Brand Name: FNW ™ Issued: 9/13/2005 Amended: 4/28/2008	Issued: 9/13/2005 Revision: 2004 Model: FNWX10PK Size: 2 MNPT LF 2 MNPT COMM WTR HAMM ARRESTOR Issued: 9/13/2005	Model: FNWXSC500 Size: 1/2 MNPT LF 1/2 MNPT COMM WTR HAMM ARRESTOR Issued: 9/13/2005 Revision: 2004 Model: FNWXSC750	Revision: 2004 Model: PFMM5003CPT Size: w/ 3/8" O.D. FEM COMP. x 3/8" O.D. COMP. Connectio Brand Name: PROFLO® Issued: 9/13/2005
Revision: 2004 Model: FNW11PG Size: 1 SWT COMM WTR HAMM ARRESTOR Issued: 9/13/2005	Revision: 2004 Model: FNWSWA1250 (Cylinder Cap Style) Size: w/ 1-1/4" Male Sweat Connection	Revision: 2004 Model: FNWX11PD Size: 1/2 SWT LF 1/2 SWT COMM WTR HAMM ARRESTOR	Size: 3/4 MNPT LF 3/4 MNPT COMM WTR HAMM ARRESTOR Issued: 9/13/2005	Revision: 2004 Model: PFMM500FFPF Size: w/ 1/2" Female Socket CPVC Connection Issued: 3/11/2009
Revision: 2004 Model: FNW11PH Size: 1-1/4 SWT COMM WTR HAMM ARRESTOR	Brand Name: FNW ™ Issued: 9/13/2005 Amended: 4/28/2008 Revision: 2004 Model: FNWSWA500 (Odinger Cap Style)	Issued: 9/13/2005 Revision: 2004 Model: FNWX11PF Size: 3/4 SWT LF 3/4 SWT COMM WTR HAMM ARRESTOR	Revision: 2004 Model: FNWXSWA1000 Size: 1 SWT LF 1 SWT COMM WTR HAMM ARRESTOR Issued: 9/13/2005	Revision: 2004 Model: PFMM500FPF Size: w/ 1/2" CPVC Male Connection Brand Name: PROFLO [®] Issued: 9/13/2005
Issued: 9/13/2005	(Cylinder Cap Style) Size: w/ 1/2" Male Sweat Connection Brand Name: FNW ™ Issued: 9/13/2005 Amended: 4/28/2008	Issued: 9/13/2005	1550E0. 5/ 15/ 2005	Revision: 2004 Model: PFMM500L Size: w/ FHT Swivel X MHT Connection Brand Name: PROFLO® Issued: 9/13/2005

Revision: 2004				
	Revision: 2004	Revision: 2004	Revision: 2004	Hendrickson Brothers
Model: PFMM500PEX	Model: PFXWHAPPTD	Model: Z1700-300	Model: 263, 263LF, 265	Revision: 2004
Size: w/ 1/2" PEX Tee	Size: 1/2 PROPEX TEE	Size: 1" NPT	& 265LF	Model: J-10 - 3/4 in hose
Fitting Connection	LF 1/2 PROPEX TEE WTR	Issued: 5/26/2009	1/2" Female pipe	thread
Brand Name: PROFLO®	HAMM ARRST	Devision: 2004	Issued: 3/27/2008	Issued: 4/28/1989
Issued: 9/13/2005	lequad: 0/12/2005	Revision: 2004	Amended: 6/9/2009,	Usion Chang Matals Co
Revision: 2004	Issued: 9/13/2005	Model: Z1700-400 Size: 1" NPT	7/23/2009	Hsien Chang Metals Co. Revision: 2004
Model: PFMM500SWA	Revision: 2004	Issued: 5/26/2009	Revision: 2004	Model: Model 12*0VB
Size: w/ 1/2" Male Sweat	Model: PFXWHAPTD	133000. 572072005	Model: 264CC &	Size: 3/4 in
Connection	Size: 1/2 PROPEX TEE	Revision: 2004	264CCLF	* represents 0, 1, 2
Brand Name: PROFLO®	LF 1/2 PROPEX TEE WTR	Model: Z1700-500	1/2" Copper Comp. x	Issued: 1/29/2018
Issued: 9/13/2005	HAMM ARRST	Size: 1" NPT	3/4" Hose Conn. w/	
D 0004		Issued: 5/26/2009	Integral VB	Legend
Revision: 2004	Issued: 9/13/2005	Amended: 11/4/2016	Issued: 3/27/2008	Revision: 2004
Model: PFMM500TH Size: w/ 1/2" MIP	Revision: 2004	Revision: 2004	Amended: 6/9/2009, 7/23/2009	Model: 107-194 Issued: 2/28/2018
Connection	Model: PFXWHASD	Model: Z1700-600	172372005	Amended: 1/14/2019
Brand Name: PROFLO®	Size: 1/2"SWT	Size: 1" NPT	Revision: 2004	
Issued: 9/13/2005	LF1/2"SWT WTR HAMM	Issued: 7/29/2010	Model: 361, 361LF,	Revision: 2004
	ARRESTOR	Amended: 4/13/2017	363, 363LF, 365 &	Model: 107-194NL
Revision: 2004			365LF	Issued: 2/28/2018
Model: PFXWHACFD	Issued: 9/13/2005		3/4" female pipe	Amended: 1/14/2019
Size: 1/2 FEM SOC CPVC LF 1/2 FEM SOC CPVC	Revision: 2004	STANDARD #ASSE	Issued: 3/27/2008 Amended: 6/9/2009,	Revision: 2004
WTR HAMM ARRST	Model: PFXWHATD	<u>1011</u>	7/23/2009	Model: 107-195
WINTANNI AND	Size: 1/2"THRD	Hose Connection	172372003	Issued: 2/28/2018
Issued: 9/13/2005	LF 1/2"THRD WTR	Vacuum Breakers ASSE-2004	Revision: 2004	Amended: 1/14/2019
	HAMM ARRESTOR	A33E-2004	Model: 58 ABP	
Revision: 2004		A. Y. McDonald Mfg. Co.	Size: 3/4 inch	Revision: 2004
Model: PFXWHACSD	Issued: 9/13/2005	Revision: 2004	Issued: 7/10/2003	Model: 107-195NL
Size: 1/2 SPIG CPVC LF 1/2 SPIG CPVC WTR	Revision: 2004	Model: 72001	Revision: 2004	Issued: 2/28/2018
HAMM ARRST	Model: PFXWHATSD	Size: 3/4" F GHR inlet x	Model: 59 ABP	Amended: 1/14/2019
Issued: 9/13/2005	Size: 1/2 T/S SWT	3/4" M GHR outlet	Size: 3/4 inch	Matco-Norca, Inc
10500001 57 207 2000	LF 1/2 T/S SWT WTR	Issued: 12/7/2009	Issued: 8/30/1993	Revision: 2004
Revision: 2004	HAMM ARRST	Apollo Valves /		Model: 646AS4 &
Model: PFXWHACTC		Conbraco Industries	Revision: 2004	646ASC (Chrome finish)
Size: 3/80D COMP *	Issued: 9/13/2005	Revision: 2004	Model: 960	Size: 3/4" F GHR Inlet &
FEM COMP LF 3/80D COMP * FEM	Revision: 2004	Model: HBV2 (38-314)	Size: 1" inlet	3/4" M GHR Outlet Issued: 7/5/2007
COMP HAMM ARRST	Model: PFXWHAUTB	Size: 3/4"	Issued: 3/27/2008 Amended: 6/9/2009,	Issued: 7/5/2007
	Size: 1/4 COMP	Issued: 5/27/2008	7/23/2009	MIFAB, Inc.
Issued: 9/13/2005	LF 1/4 COMP WTR	Revision: 2004	,, _0, _000	Revision: 2004
	HAMM ARRST	Model: HBVAF2 (38-414)	Revision: 2004	Model: HY-3000 Series &
Revision: 2004		Size: 3/4"	Model: 965	MHY-30 Series & HY-
Model: PFXWHACTD	Issued: 9/13/2005	Issued: 7/13/2009	3/4" & 1/2" stacked	3500 Series Includes a 1/2" inlet and
Size: 5/8OD COMP * FEM COMP	Revision: 2004		thread combination	includes a 1/2 inlet and
LF 5/80D COMP * FEM			liceupd· 2/27/2008	3/4" outlet along with a
	INIOGEL PEXWHAUTU	Arrowhead Brass &	Issued: 3/27/2008 Amended: 6/9/2009.	3/4" outlet along with a 3/4" and 1" combination
COMP HAMM ARRST	Model: PFXWHAUTC Size: 3/8"COMP TEE	Plumbing LLC	Issued: 3/27/2008 Amended: 6/9/2009, 7/23/2009	3/4" outlet along with a 3/4" and 1" combination inlet.
		Plumbing LLC Revision: 2004	Amended: 6/9/2009, 7/23/2009	3/4" and 1" combination
COMP HAMM ARRST Issued: 9/13/2005	Size: 3/8"COMP TEE	Plumbing LLC Revision: 2004 Model: 261 & 261LF	Amended: 6/9/2009, 7/23/2009 Cash Acme / Reliance	3/4" and 1" combination inlet. Manufactured at P.T Everage -
Issued: 9/13/2005	Size: 3/8"COMP TEE LF 3/8"COMP TEE WTR HAMM ARRESTOR	Plumbing LLC Revision: 2004	Amended: 6/9/2009, 7/23/2009 Cash Acme / Reliance Worldwide Corp	3/4" and 1" combination inlet. Manufactured at P.T Everage - Issued: 9/6/1999
Issued: 9/13/2005 Revision: 2004	Size: 3/8"COMP TEE LF 3/8"COMP TEE WTR	Plumbing LLC Revision: 2004 Model: 261 & 261LF 1/2" MIP x 3/4" Hose Connection w/ Integral VB	Amended: 6/9/2009, 7/23/2009 Cash Acme / Reliance Worldwide Corp Revision: 2004	3/4" and 1" combination inlet. Manufactured at P.T Everage -
Issued: 9/13/2005 Revision: 2004 Model: PFXWHAPD	Size: 3/8"COMP TEE LF 3/8"COMP TEE WTR HAMM ARRESTOR Issued: 9/13/2005	Plumbing LLC Revision: 2004 Model: 261 & 261LF 1/2" MIP x 3/4" Hose Connection w/ Integral VB Issued: 3/27/2008	Amended: 6/9/2009, 7/23/2009 Cash Acme / Reliance Worldwide Corp Revision: 2004 Model: V-3	3/4" and 1" combination inlet. Manufactured at P.T Everage - Issued: 9/6/1999 Amended: 6/12/2007
Issued: 9/13/2005 Revision: 2004 Model: PFXWHAPD Size: 1/2 PEX	Size: 3/8"COMP TEE LF 3/8"COMP TEE WTR HAMM ARRESTOR	Plumbing LLC Revision: 2004 Model: 261 & 261LF 1/2" MIP x 3/4" Hose Connection w/ Integral VB Issued: 3/27/2008 Amended: 6/9/2009,	Amended: 6/9/2009, 7/23/2009 Cash Acme / Reliance Worldwide Corp Revision: 2004 Model: V-3 Size: 3/4 inch	3/4" and 1" combination inlet. Manufactured at P.T Everage - Issued: 9/6/1999 Amended: 6/12/2007 Revision: 2004
Issued: 9/13/2005 Revision: 2004 Model: PFXWHAPD	Size: 3/8"COMP TEE LF 3/8"COMP TEE WTR HAMM ARRESTOR Issued: 9/13/2005 Revision: 2004 Model: PFXWHAUTD Size: 5/8"COMP TEE	Plumbing LLC Revision: 2004 Model: 261 & 261LF 1/2" MIP x 3/4" Hose Connection w/ Integral VB Issued: 3/27/2008	Amended: 6/9/2009, 7/23/2009 Cash Acme / Reliance Worldwide Corp Revision: 2004 Model: V-3	3/4" and 1" combination inlet. Manufactured at P.T Everage - Issued: 9/6/1999 Amended: 6/12/2007 Revision: 2004 Model: HY-5000 Series & MHY-50 Series & HY-
Issued: 9/13/2005 Revision: 2004 Model: PFXWHAPD Size: 1/2 PEX LF 1/2 PEX WTR HAMM ARRST	Size: 3/8"COMP TEE LF 3/8"COMP TEE WTR HAMM ARRESTOR Issued: 9/13/2005 Revision: 2004 Model: PFXWHAUTD Size: 5/8"COMP TEE LF 5/8"COMP TEE WTR	Plumbing LLC Revision: 2004 Model: 261 & 261LF 1/2" MIP x 3/4" Hose Connection w/ Integral VB Issued: 3/27/2008 Amended: 6/9/2009, 7/23/2009	Amended: 6/9/2009, 7/23/2009 Cash Acme / Reliance Worldwide Corp Revision: 2004 Model: V-3 Size: 3/4 inch Issued: 4/8/1974 Amended: 1/10/2008	3/4" and 1" combination inlet. Manufactured at P.T Everage - Issued: 9/6/1999 Amended: 6/12/2007 Revision: 2004 Model: HY-5000 Series & MHY-50 Series & HY- 5500 Series
Issued: 9/13/2005 Revision: 2004 Model: PFXWHAPD Size: 1/2 PEX LF 1/2 PEX WTR HAMM	Size: 3/8"COMP TEE LF 3/8"COMP TEE WTR HAMM ARRESTOR Issued: 9/13/2005 Revision: 2004 Model: PFXWHAUTD Size: 5/8"COMP TEE	Plumbing LLC Revision: 2004 Model: 261 & 261LF 1/2" MIP x 3/4" Hose Connection w/ Integral VB Issued: 3/27/2008 Amended: 6/9/2009,	Amended: 6/9/2009, 7/23/2009 Cash Acme / Reliance Worldwide Corp Revision: 2004 Model: V-3 Size: 3/4 inch Issued: 4/8/1974 Amended: 1/10/2008 Revision: 2004	3/4" and 1" combination inlet. Manufactured at P.T Everage - Issued: 9/6/1999 Amended: 6/12/2007 Revision: 2004 Model: HY-5000 Series & MHY-50 Series & HY- 5500 Series Includes 3/4" inlet and
Issued: 9/13/2005 Revision: 2004 Model: PFXWHAPD Size: 1/2 PEX LF 1/2 PEX WTR HAMM ARRST Issued: 9/13/2005	Size: 3/8"COMP TEE LF 3/8"COMP TEE WTR HAMM ARRESTOR Issued: 9/13/2005 Revision: 2004 Model: PFXWHAUTD Size: 5/8"COMP TEE LF 5/8"COMP TEE WTR HAMM ARRESTOR	Plumbing LLC Revision: 2004 Model: 261 & 261LF 1/2" MIP x 3/4" Hose Connection w/ Integral VB Issued: 3/27/2008 Amended: 6/9/2009, 7/23/2009 Revision: 2004 Model: 262CC & 262CC LF	Amended: 6/9/2009, 7/23/2009 Cash Acme / Reliance Worldwide Corp Revision: 2004 Model: V-3 Size: 3/4 inch Issued: 4/8/1974 Amended: 1/10/2008 Revision: 2004 Model: VB-222	3/4" and 1" combination inlet. Manufactured at P.T Everage - Issued: 9/6/1999 Amended: 6/12/2007 Revision: 2004 Model: HY-5000 Series & MHY-50 Series & HY- 5500 Series Includes 3/4" inlet and 3/4" outlet along with
Issued: 9/13/2005 Revision: 2004 Model: PFXWHAPD Size: 1/2 PEX LF 1/2 PEX WTR HAMM ARRST Issued: 9/13/2005 Revision: 2004	Size: 3/8"COMP TEE LF 3/8"COMP TEE WTR HAMM ARRESTOR Issued: 9/13/2005 Revision: 2004 Model: PFXWHAUTD Size: 5/8"COMP TEE LF 5/8"COMP TEE WTR	Plumbing LLC Revision: 2004 Model: 261 & 261LF 1/2" MIP x 3/4" Hose Connection w/ Integral VB Issued: 3/27/2008 Amended: 6/9/2009, 7/23/2009 Revision: 2004 Model: 262CC & 262CC LF 1/2" Nom.Copper or	Amended: 6/9/2009, 7/23/2009 Cash Acme / Reliance Worldwide Corp Revision: 2004 Model: V-3 Size: 3/4 inch Issued: 4/8/1974 Amended: 1/10/2008 Revision: 2004 Model: VB-222 Size: 3/4 inch	3/4" and 1" combination inlet. Manufactured at P.T Everage - Issued: 9/6/1999 Amended: 6/12/2007 Revision: 2004 Model: HY-5000 Series & MHY-50 Series & HY- 5500 Series Includes 3/4" inlet and 3/4" outlet along with 3/4" and 1" combination
Issued: 9/13/2005 Revision: 2004 Model: PFXWHAPD Size: 1/2 PEX LF 1/2 PEX WTR HAMM ARRST Issued: 9/13/2005 Revision: 2004 Model: PFXWHAPPD	Size: 3/8"COMP TEE LF 3/8"COMP TEE WTR HAMM ARRESTOR Issued: 9/13/2005 Revision: 2004 Model: PFXWHAUTD Size: 5/8"COMP TEE LF 5/8"COMP TEE WTR HAMM ARRESTOR Issued: 9/13/2005	Plumbing LLC Revision: 2004 Model: 261 & 261LF 1/2" MIP x 3/4" Hose Connection w/ Integral VB Issued: 3/27/2008 Amended: 6/9/2009, 7/23/2009 Revision: 2004 Model: 262CC & 262CC LF 1/2" Nom.Copper or 3/4" OD Copper x 3/4"	Amended: 6/9/2009, 7/23/2009 Cash Acme / Reliance Worldwide Corp Revision: 2004 Model: V-3 Size: 3/4 inch Issued: 4/8/1974 Amended: 1/10/2008 Revision: 2004 Model: VB-222 Size: 3/4 inch Issued: 4/8/1974	3/4" and 1" combination inlet. Manufactured at P.T Everage - Issued: 9/6/1999 Amended: 6/12/2007 Revision: 2004 Model: HY-5000 Series & MHY-50 Series & HY- 5500 Series Includes 3/4" inlet and 3/4" outlet along with 3/4" and 1" combination inlet and 3/4" outlet
Issued: 9/13/2005 Revision: 2004 Model: PFXWHAPD Size: 1/2 PEX LF 1/2 PEX WTR HAMM ARRST Issued: 9/13/2005 Revision: 2004 Model: PFXWHAPPD Size: 1/2 PROPEX LF 1/2 PROPEX WTR	Size: 3/8"COMP TEE LF 3/8"COMP TEE WTR HAMM ARRESTOR Issued: 9/13/2005 Revision: 2004 Model: PFXWHAUTD Size: 5/8"COMP TEE LF 5/8"COMP TEE WTR HAMM ARRESTOR Issued: 9/13/2005 Zurn Industries, Inc. Revision: 2004	Plumbing LLC Revision: 2004 Model: 261 & 261LF 1/2" MIP x 3/4" Hose Connection w/ Integral VB Issued: 3/27/2008 Amended: 6/9/2009, 7/23/2009 Revision: 2004 Model: 262CC & 262CC LF 1/2" Nom.Copper or 3/4" OD Copper x 3/4" Hose Connection w/	Amended: 6/9/2009, 7/23/2009 Cash Acme / Reliance Worldwide Corp Revision: 2004 Model: V-3 Size: 3/4 inch Issued: 4/8/1974 Amended: 1/10/2008 Revision: 2004 Model: VB-222 Size: 3/4 inch Issued: 4/8/1974 Amended: 1/10/2008	3/4" and 1" combination inlet. Manufactured at P.T Everage - Issued: 9/6/1999 Amended: 6/12/2007 Revision: 2004 Model: HY-5000 Series & MHY-50 Series & HY- 5500 Series Includes 3/4" inlet and 3/4" outlet along with 3/4" and 1" combination
Issued: 9/13/2005 Revision: 2004 Model: PFXWHAPD Size: 1/2 PEX LF 1/2 PEX WTR HAMM ARRST Issued: 9/13/2005 Revision: 2004 Model: PFXWHAPPD Size: 1/2 PROPEX	Size: 3/8"COMP TEE LF 3/8"COMP TEE WTR HAMM ARRESTOR Issued: 9/13/2005 Revision: 2004 Model: PFXWHAUTD Size: 5/8"COMP TEE LF 5/8"COMP TEE WTR HAMM ARRESTOR Issued: 9/13/2005 Zurn Industries, Inc. Revision: 2004 Model: Z1700-100	Plumbing LLC Revision: 2004 Model: 261 & 261LF 1/2" MIP x 3/4" Hose Connection w/ Integral VB Issued: 3/27/2008 Amended: 6/9/2009, 7/23/2009 Revision: 2004 Model: 262CC & 262CC LF 1/2" Nom.Copper or 3/4" OD Copper x 3/4" Hose Connection w/ Integral VB	Amended: 6/9/2009, 7/23/2009 Cash Acme / Reliance Worldwide Corp Revision: 2004 Model: V-3 Size: 3/4 inch Issued: 4/8/1974 Amended: 1/10/2008 Revision: 2004 Model: VB-222 Size: 3/4 inch Issued: 4/8/1974 Amended: 1/10/2008 Fu San Valve	3/4" and 1" combination inlet. Manufactured at P.T Everage - Issued: 9/6/1999 Amended: 6/12/2007 Revision: 2004 Model: HY-5000 Series & MHY-50 Series & HY- 5500 Series Includes 3/4" inlet and 3/4" outlet along with 3/4" and 1" combination inlet and 3/4" outlet Issued: 2/6/2002 Amended: 6/12/2007
Issued: 9/13/2005 Revision: 2004 Model: PFXWHAPD Size: 1/2 PEX LF 1/2 PEX WTR HAMM ARRST Issued: 9/13/2005 Revision: 2004 Model: PFXWHAPPD Size: 1/2 PROPEX LF 1/2 PROPEX WTR HAMM ARRST	Size: 3/8"COMP TEE LF 3/8"COMP TEE WTR HAMM ARRESTOR Issued: 9/13/2005 Revision: 2004 Model: PFXWHAUTD Size: 5/8"COMP TEE LF 5/8"COMP TEE WTR HAMM ARRESTOR Issued: 9/13/2005 Zurn Industries, Inc. Revision: 2004 Model: Z1700-100 Size: 3/4" NPT	Plumbing LLC Revision: 2004 Model: 261 & 261LF 1/2" MIP x 3/4" Hose Connection w/ Integral VB Issued: 3/27/2008 Amended: 6/9/2009, 7/23/2009 Revision: 2004 Model: 262CC & 262CC LF 1/2" Nom.Copper or 3/4" OD Copper x 3/4" Hose Connection w/ Integral VB Issued: 3/27/2008	Amended: 6/9/2009, 7/23/2009 Cash Acme / Reliance Worldwide Corp Revision: 2004 Model: V-3 Size: 3/4 inch Issued: 4/8/1974 Amended: 1/10/2008 Revision: 2004 Model: VB-222 Size: 3/4 inch Issued: 4/8/1974 Amended: 1/10/2008 Fu San Valve Revision: 2004	3/4" and 1" combination inlet. Manufactured at P.T Everage - Issued: 9/6/1999 Amended: 6/12/2007 Revision: 2004 Model: HY-5000 Series & MHY-50 Series & HY- 5500 Series Includes 3/4" inlet and 3/4" outlet along with 3/4" and 1" combination inlet and 3/4" outlet Issued: 2/6/2002 Amended: 6/12/2007 Revision: 2004
Issued: 9/13/2005 Revision: 2004 Model: PFXWHAPD Size: 1/2 PEX LF 1/2 PEX WTR HAMM ARRST Issued: 9/13/2005 Revision: 2004 Model: PFXWHAPPD Size: 1/2 PROPEX LF 1/2 PROPEX WTR	Size: 3/8"COMP TEE LF 3/8"COMP TEE WTR HAMM ARRESTOR Issued: 9/13/2005 Revision: 2004 Model: PFXWHAUTD Size: 5/8"COMP TEE LF 5/8"COMP TEE WTR HAMM ARRESTOR Issued: 9/13/2005 Zurn Industries, Inc. Revision: 2004 Model: Z1700-100	Plumbing LLC Revision: 2004 Model: 261 & 261LF 1/2" MIP x 3/4" Hose Connection w/ Integral VB Issued: 3/27/2008 Amended: 6/9/2009, 7/23/2009 Revision: 2004 Model: 262CC & 262CC LF 1/2" Nom.Copper or 3/4" OD Copper x 3/4" Hose Connection w/ Integral VB	Amended: 6/9/2009, 7/23/2009 Cash Acme / Reliance Worldwide Corp Revision: 2004 Model: V-3 Size: 3/4 inch Issued: 4/8/1974 Amended: 1/10/2008 Revision: 2004 Model: VB-222 Size: 3/4 inch Issued: 4/8/1974 Amended: 1/10/2008 Fu San Valve Revision: 2004 Model: FS-F1171VB	3/4" and 1" combination inlet. Manufactured at P.T Everage - Issued: 9/6/1999 Amended: 6/12/2007 Revision: 2004 Model: HY-5000 Series & MHY-50 Series & HY- 5500 Series Includes 3/4" inlet and 3/4" outlet along with 3/4" and 1" combination inlet and 3/4" outlet Issued: 2/6/2002 Amended: 6/12/2007 Revision: 2004 Model: HY-9000 Series &
Issued: 9/13/2005 Revision: 2004 Model: PFXWHAPD Size: 1/2 PEX LF 1/2 PEX WTR HAMM ARRST Issued: 9/13/2005 Revision: 2004 Model: PFXWHAPPD Size: 1/2 PROPEX LF 1/2 PROPEX WTR HAMM ARRST	Size: 3/8"COMP TEE LF 3/8"COMP TEE WTR HAMM ARRESTOR Issued: 9/13/2005 Revision: 2004 Model: PFXWHAUTD Size: 5/8"COMP TEE LF 5/8"COMP TEE WTR HAMM ARRESTOR Issued: 9/13/2005 Zurn Industries, Inc. Revision: 2004 Model: Z1700-100 Size: 3/4" NPT Issued: 8/27/2014	Plumbing LLC Revision: 2004 Model: 261 & 261LF 1/2" MIP x 3/4" Hose Connection w/ Integral VB Issued: 3/27/2008 Amended: 6/9/2009, 7/23/2009 Revision: 2004 Model: 262CC & 262CC LF 1/2" Nom.Copper or 3/4" OD Copper x 3/4" Hose Connection w/ Integral VB Issued: 3/27/2008 Amended: 6/9/2009,	Amended: 6/9/2009, 7/23/2009 Cash Acme / Reliance Worldwide Corp Revision: 2004 Model: V-3 Size: 3/4 inch Issued: 4/8/1974 Amended: 1/10/2008 Revision: 2004 Model: VB-222 Size: 3/4 inch Issued: 4/8/1974 Amended: 1/10/2008 Fu San Valve Revision: 2004 Model: FS-F1171VB Size: 3/4 x 3/4 in	3/4" and 1" combination inlet. Manufactured at P.T Everage - Issued: 9/6/1999 Amended: 6/12/2007 Revision: 2004 Model: HY-5000 Series & MHY-50 Series & HY- 5500 Series Includes 3/4" inlet and 3/4" outlet along with 3/4" and 1" combination inlet and 3/4" outlet Issued: 2/6/2002 Amended: 6/12/2007 Revision: 2004 Model: HY-9000 Series & MHY-90 Series
Issued: 9/13/2005 Revision: 2004 Model: PFXWHAPD Size: 1/2 PEX LF 1/2 PEX WTR HAMM ARRST Issued: 9/13/2005 Revision: 2004 Model: PFXWHAPPD Size: 1/2 PROPEX LF 1/2 PROPEX WTR HAMM ARRST	Size: 3/8"COMP TEE LF 3/8"COMP TEE WTR HAMM ARRESTOR Issued: 9/13/2005 Revision: 2004 Model: PFXWHAUTD Size: 5/8"COMP TEE LF 5/8"COMP TEE WTR HAMM ARRESTOR Issued: 9/13/2005 Zurn Industries, Inc. Revision: 2004 Model: Z1700-100 Size: 3/4" NPT Issued: 8/27/2014 Revision: 2004	Plumbing LLC Revision: 2004 Model: 261 & 261LF 1/2" MIP x 3/4" Hose Connection w/ Integral VB Issued: 3/27/2008 Amended: 6/9/2009, 7/23/2009 Revision: 2004 Model: 262CC & 262CC LF 1/2" Nom.Copper or 3/4" OD Copper x 3/4" Hose Connection w/ Integral VB Issued: 3/27/2008 Amended: 6/9/2009,	Amended: 6/9/2009, 7/23/2009 Cash Acme / Reliance Worldwide Corp Revision: 2004 Model: V-3 Size: 3/4 inch Issued: 4/8/1974 Amended: 1/10/2008 Revision: 2004 Model: VB-222 Size: 3/4 inch Issued: 4/8/1974 Amended: 1/10/2008 Fu San Valve Revision: 2004 Model: FS-F1171VB	3/4" and 1" combination inlet. Manufactured at P.T Everage - Issued: 9/6/1999 Amended: 6/12/2007 Revision: 2004 Model: HY-5000 Series & MHY-50 Series & HY- 5500 Series Includes 3/4" inlet and 3/4" outlet along with 3/4" and 1" combination inlet and 3/4" outlet Issued: 2/6/2002 Amended: 6/12/2007 Revision: 2004 Model: HY-9000 Series & MHY-90 Series Includes a 1/2" inlet and
Issued: 9/13/2005 Revision: 2004 Model: PFXWHAPD Size: 1/2 PEX LF 1/2 PEX WTR HAMM ARRST Issued: 9/13/2005 Revision: 2004 Model: PFXWHAPPD Size: 1/2 PROPEX LF 1/2 PROPEX WTR HAMM ARRST	Size: 3/8"COMP TEE LF 3/8"COMP TEE WTR HAMM ARRESTOR Issued: 9/13/2005 Revision: 2004 Model: PFXWHAUTD Size: 5/8"COMP TEE LF 5/8"COMP TEE WTR HAMM ARRESTOR Issued: 9/13/2005 Zurn Industries, Inc. Revision: 2004 Model: 21700-100 Size: 3/4" NPT Issued: 8/27/2014 Revision: 2004 Model: 21700-200 Size: 3/4" NPT	Plumbing LLC Revision: 2004 Model: 261 & 261LF 1/2" MIP x 3/4" Hose Connection w/ Integral VB Issued: 3/27/2008 Amended: 6/9/2009, 7/23/2009 Revision: 2004 Model: 262CC & 262CC LF 1/2" Nom.Copper or 3/4" OD Copper x 3/4" Hose Connection w/ Integral VB Issued: 3/27/2008 Amended: 6/9/2009,	Amended: 6/9/2009, 7/23/2009 Cash Acme / Reliance Worldwide Corp Revision: 2004 Model: V-3 Size: 3/4 inch Issued: 4/8/1974 Amended: 1/10/2008 Revision: 2004 Model: VB-222 Size: 3/4 inch Issued: 4/8/1974 Amended: 1/10/2008 Fu San Valve Revision: 2004 Model: FS-F1171VB Size: 3/4 x 3/4 in	3/4" and 1" combination inlet. Manufactured at P.T Everage - Issued: 9/6/1999 Amended: 6/12/2007 Revision: 2004 Model: HY-5000 Series & MHY-50 Series & HY- 5500 Series Includes 3/4" inlet and 3/4" outlet along with 3/4" and 1" combination inlet and 3/4" outlet Issued: 2/6/2002 Amended: 6/12/2007 Revision: 2004 Model: HY-9000 Series & MHY-90 Series
Issued: 9/13/2005 Revision: 2004 Model: PFXWHAPD Size: 1/2 PEX LF 1/2 PEX WTR HAMM ARRST Issued: 9/13/2005 Revision: 2004 Model: PFXWHAPPD Size: 1/2 PROPEX LF 1/2 PROPEX WTR HAMM ARRST	Size: 3/8"COMP TEE LF 3/8"COMP TEE WTR HAMM ARRESTOR Issued: 9/13/2005 Revision: 2004 Model: PFXWHAUTD Size: 5/8"COMP TEE LF 5/8"COMP TEE WTR HAMM ARRESTOR Issued: 9/13/2005 Zurn Industries, Inc. Revision: 2004 Model: Z1700-100 Size: 3/4" NPT Issued: 8/27/2014 Revision: 2004 Model: Z1700-200 Size: 3/4" NPT Issued: 5/26/2009	Plumbing LLC Revision: 2004 Model: 261 & 261LF 1/2" MIP x 3/4" Hose Connection w/ Integral VB Issued: 3/27/2008 Amended: 6/9/2009, 7/23/2009 Revision: 2004 Model: 262CC & 262CC LF 1/2" Nom.Copper or 3/4" OD Copper x 3/4" Hose Connection w/ Integral VB Issued: 3/27/2008 Amended: 6/9/2009,	Amended: 6/9/2009, 7/23/2009 Cash Acme / Reliance Worldwide Corp Revision: 2004 Model: V-3 Size: 3/4 inch Issued: 4/8/1974 Amended: 1/10/2008 Revision: 2004 Model: VB-222 Size: 3/4 inch Issued: 4/8/1974 Amended: 1/10/2008 Fu San Valve Revision: 2004 Model: FS-F1171VB Size: 3/4 x 3/4 in	3/4" and 1" combination inlet. Manufactured at P.T Everage - Issued: 9/6/1999 Amended: 6/12/2007 Revision: 2004 Model: HY-5000 Series & MHY-50 Series & HY- 5500 Series Includes 3/4" inlet and 3/4" outlet along with 3/4" and 1" combination inlet and 3/4" outlet Issued: 2/6/2002 Amended: 6/12/2007 Revision: 2004 Model: HY-9000 Series & MHY-90 Series Includes a 1/2" inlet and 3/4" outlet along with a
Issued: 9/13/2005 Revision: 2004 Model: PFXWHAPD Size: 1/2 PEX LF 1/2 PEX WTR HAMM ARRST Issued: 9/13/2005 Revision: 2004 Model: PFXWHAPPD Size: 1/2 PROPEX LF 1/2 PROPEX WTR HAMM ARRST	Size: 3/8"COMP TEE LF 3/8"COMP TEE WTR HAMM ARRESTOR Issued: 9/13/2005 Revision: 2004 Model: PFXWHAUTD Size: 5/8"COMP TEE LF 5/8"COMP TEE WTR HAMM ARRESTOR Issued: 9/13/2005 Zurn Industries, Inc. Revision: 2004 Model: 21700-100 Size: 3/4" NPT Issued: 8/27/2014 Revision: 2004 Model: 21700-200 Size: 3/4" NPT	Plumbing LLC Revision: 2004 Model: 261 & 261LF 1/2" MIP x 3/4" Hose Connection w/ Integral VB Issued: 3/27/2008 Amended: 6/9/2009, 7/23/2009 Revision: 2004 Model: 262CC & 262CC LF 1/2" Nom.Copper or 3/4" OD Copper x 3/4" Hose Connection w/ Integral VB Issued: 3/27/2008 Amended: 6/9/2009,	Amended: 6/9/2009, 7/23/2009 Cash Acme / Reliance Worldwide Corp Revision: 2004 Model: V-3 Size: 3/4 inch Issued: 4/8/1974 Amended: 1/10/2008 Revision: 2004 Model: VB-222 Size: 3/4 inch Issued: 4/8/1974 Amended: 1/10/2008 Fu San Valve Revision: 2004 Model: FS-F1171VB Size: 3/4 x 3/4 in	3/4" and 1" combination inlet. Manufactured at P.T Everage - Issued: 9/6/1999 Amended: 6/12/2007 Revision: 2004 Model: HY-5000 Series & MHY-50 Series & HY- 5500 Series Includes 3/4" inlet and 3/4" outlet along with 3/4" and 1" combination inlet and 3/4" outlet Issued: 2/6/2002 Amended: 6/12/2007 Revision: 2004 Model: HY-9000 Series & MHY-90 Series Includes a 1/2" inlet and 3/4" outlet along with a 3/4" and 1" combination inlet.
Issued: 9/13/2005 Revision: 2004 Model: PFXWHAPD Size: 1/2 PEX LF 1/2 PEX WTR HAMM ARRST Issued: 9/13/2005 Revision: 2004 Model: PFXWHAPPD Size: 1/2 PROPEX LF 1/2 PROPEX WTR HAMM ARRST	Size: 3/8"COMP TEE LF 3/8"COMP TEE WTR HAMM ARRESTOR Issued: 9/13/2005 Revision: 2004 Model: PFXWHAUTD Size: 5/8"COMP TEE LF 5/8"COMP TEE WTR HAMM ARRESTOR Issued: 9/13/2005 Zurn Industries, Inc. Revision: 2004 Model: Z1700-100 Size: 3/4" NPT Issued: 8/27/2014 Revision: 2004 Model: Z1700-200 Size: 3/4" NPT Issued: 5/26/2009	Plumbing LLC Revision: 2004 Model: 261 & 261LF 1/2" MIP x 3/4" Hose Connection w/ Integral VB Issued: 3/27/2008 Amended: 6/9/2009, 7/23/2009 Revision: 2004 Model: 262CC & 262CC LF 1/2" Nom.Copper or 3/4" OD Copper x 3/4" Hose Connection w/ Integral VB Issued: 3/27/2008 Amended: 6/9/2009,	Amended: 6/9/2009, 7/23/2009 Cash Acme / Reliance Worldwide Corp Revision: 2004 Model: V-3 Size: 3/4 inch Issued: 4/8/1974 Amended: 1/10/2008 Revision: 2004 Model: VB-222 Size: 3/4 inch Issued: 4/8/1974 Amended: 1/10/2008 Fu San Valve Revision: 2004 Model: FS-F1171VB Size: 3/4 x 3/4 in	3/4" and 1" combination inlet. Manufactured at P.T Everage - Issued: 9/6/1999 Amended: 6/12/2007 Revision: 2004 Model: HY-5000 Series & MHY-50 Series & HY- 5500 Series Includes 3/4" inlet and 3/4" outlet along with 3/4" and 1" combination inlet and 3/4" outlet Issued: 2/6/2002 Amended: 6/12/2007 Revision: 2004 Model: HY-9000 Series & MHY-90 Series Includes a 1/2" inlet and 3/4" outlet along with a 3/4" outlet along with a 3/4" and 1" combination

PRIER Products, Inc. Tsangkuo Industrial Co. Revision: 2004 Revision: 2004 Revision: 2009 Revision: 2004 Ltd. Model: NF8 & NF8 (LF) Model: Z1333XL Model: DCAV.50-SWT Revision: 2004 Model: P-002 Size: 3/4 inch Size: 3/4 inch Size: 1/2 inch Sweat Model: B-255 Size: 3/4" NPHS inlet x Size: 3/4 inch Hose Issued: 1/14/2019 Chrome finish available Issued: 10/5/2015 Amended: 1/14/2019 Thread Outlets Issued: 1/5/1971 3/4" NPHS outlet Issued: 11/12/2001 Amended: 12/29/2004, Cash Acme / Reliance 4/14/2010, 7/23/2010, Amended: 11/22/2006 includes inlet with non-Revision: 2004 Worldwide Corp Model: Z1399-VB removable feature 10/24/2012 Revision: 2009 Model: BFP Issued: 4/22/2009 Size: 3/4 inch **PT Ever Age Valves** Size: 1/2 inch Issued: 2/15/1989 Revision: 2004 Issued: 1/14/2019 Metals Model: S8C & S8C (LF) Size: 1/2 inch Revision: 2004 Watts Regulator Amended: 12/30/2009 Model: VB1 Company Revision: 2004 Revision: 2004 Size: 3/4"FHT X 3/4" Chrome finish available Model: Z1399XL-VB Model: 8 & 8(LF) Size: 3/4 inch Issued: 1/5/1971 Amended: 12/29/2004, Size: 3/4 inch Issued: 1/14/2019 Revision: 2009 MHT Issued: 3/31/2004 Model: BFP Chrome finish available 4/14/2010, 10/24/2012 Amended: 1/17/2019 Size: 3/4 inch Issued: 1/5/1971 Issued: 2/15/1989 Revision: 2004 Amended: 12/29/2004, 4/14/2010, 10/24/2012 Model: VB2 Size: 3/4"FHT X 3/4"MHT Wilkins / A Division of Amended: 12/30/2009 Zurn STANDARD #ASSE 1012 Issued: 3/31/2004 Revision: 2004 Giacomini s.p.a. Model: BFP-8F Size: 3/4 inch Revision: 2009 Model: BFP R 624 Revision: 2004 **Backflow Preventers** Revision: 2004 Model: 8A & 8A (LF) with Intermediate Model: VB4 Size: 3/4 inch Issued: 10/6/1986 Size: 1/2 inch NPT inlet x Atmospheric Vent Size: 1/2" FIP x 3/4' MHT Issued: 3/27/2006 1/2 inch NPT Outlet Issued: 5/14/1993 Chrome finish available ASSE-2009 Issued: 1/5/1971 Revision: 2004 Amended: 12/29/2004, Amended: 12/30/2009, Model: BFP-9 Ademco Inc. / Revision: 2004 4/14/2010, 10/24/2012 Size: 3/4" 2/6/2017 Honeywell Model: VB6 Issued: 7/23/2007 Revision: 2009 Size: 3/4" FHT X 3/4" Revision: 2004 Revision: 2009 Model: BP900 Model: BFP R 624 MHT Model: 8AC & 8AC (LF) Woodford Mfg. Co. Size: 1/2 inch Issued: 1/31/1989 Size: 3/4 inch NPT inlet x 3/4 inch NPT Outlet Issued: 5/14/1993 Vacuum Breaker Size: 3/4 inch Revision: 2004 Chrome finish available Model: NIDEL - 34-H Issued: 3/31/2004 Amended: 12/30/2009, Issued: 1/5/1971 Amended: 12/29/2004, Inlet types H, HA, HF, 2/6/2017, 10/5/2018 Amended: 12/30/2009, Revision: 2004 HD, HW Model: VB7 4/14/2010, 10/24/2012 Issued: 10/22/2001 2/6/2017 Revision: 2009 Size: 3/4" FHT X 3/4" Model: BP901 Revision: 2004 Zurn Industries, Inc. MHT Legend Size: 3/4 inch Issued: 1/31/1989 Model: 8B, 8BI & 8B (LF), 8BI (LF) Revision: 2009 Vacuum Breaker Revision: 2004 Model: S-459 Size: 1/2" Issued: 3/31/2004 Model: Z1330 Amended: 12/30/2009, Size: 3/4 inch Size: 3/4 inch 2/6/2017, 10/5/2018 Issued: 7/19/1993 Amended: 12/30/2009, Issued: 7/1/1971 Chrome finish available Revision: 2004 Model: VBS Issued: 1/5/1971 Amended: 12/29/2004, Apollo Valves / Size: 1/2" FIP x 3/4" MHT 2/6/2017 Revision: 2004 **Conbraco Industries** Issued: 3/27/2006 4/14/2010, 7/23/2010, Model: Z1330-C Revision: 2009 Size: 3/4 inch Issued: 7/1/1971 Amended: 5/10/2013 10/24/2012 Revision: 2009 Model: DCAP & DCAPLF Model: S-459 Size: 3/4" **Te-Cheng Industrial Co.,** Size: 1/2 inch Ltd. Revision: 2004 Issued: 11/17/1993 Model: 8BC & 8BC (LF) Size: 3/4 inch Issued: 7/19/1993 Amended: 2/6/2017 Revision: 2004 Amended: 12/30/2009, Model: B9300 Revision: 2004 2/1/2011 Size: 3/4" Chrome finish available Model: Z1330XL Size: 3/4 inch Issued: 8/26/2015 Issued: 1/5/1971 Revision: 2009 Revision: 2009 Amended: 12/29/2004, 4/14/2010, 10/24/2012 Model: T-459 Size: 1/2" Issued: 4/7/2015 Model: DCAP & DCAPLF Revision: 2004 Size: 3/4 inch Issued: 7/19/1993 Amended: 12/30/2009, Model: B9500 Revision: 2004 Issued: 11/17/1993 Amended: 12/30/2009, Size: 3/4" Revision: 2004 Model: Z1332-EZ Model: 8C & 8C (LF) Size: 3/4 inch Issued: 3/21/2007 2/6/2017 2/1/2011 Issued: 7/1/1971 Amended: 7/28/2014 Size: 3/4 inch Revision: 2004 Chrome finish available Revision: 2009 Revision: 2009 Model: B9600 Issued: 1/5/197 Model: T-459 Model: DCAP4A Size: 3/4" Amended: 12/29/2004 Size: 3/4" Revision: 2004 Size: (1/2" & 3/4") Model: Z1332XL-EZ Issued: 7/19/1993 Issued: 8/26/2015 4/14/2010, 10/24/2012 Horizontal & Vertical Size: 3/4 inch Issued: 4/7/2015 Amended: 2/6/2017 Issued: 7/17/2015 **TOTO USA, Inc.** Revision: 2004 Revision: 2004 Model: 8FR & 8FR (LF) Taco, Inc. Revision: 2009 Size: 3/4 inch Revision: 2009 Model: S8C Z10 Revision: 2004 Model: DCAPLF4A Size: 1/2" w/ 1/2" NPSM3 Chrome finish available Model: Z1333 Model: 3192 Backflow Size: (1/2" & 3/4") Issued: 1/5/1971 Amended: 12/29/2004, Size: 3/4 inch Preventer Horizontal & Vertical Issued: 1/17/2019 Amended: 1/17/2019 Issued: 1/3/2006 Size: 1/2 inch Issued: 7/17/2015 -C1 (Sweat); -T1 (NPT) Issued: 2/26/2016 4/14/2010, 10/24/2012 **BEECO** (division of Revision: 2004 Revision: 2004 Amended: 2/6/2017 MIFAB, Inc.) Model: 8P Model: Z1333-C Revision: 2009 Size: 3/4 inch Hose Size: 3/4 inch Model: DCAV.50-NPT Issued: 4/4/1988 Issued: 1/17/2019 Size: 1/2 inch NPT Amended: 2/1/2004 Amended: 1/17/2019 Issued: 10/5/2015

Revision: 2009 Model: 3193 Backflow Preventer Size: 3/4 inch -C1 (Sweat); -T1 (NPT) Issued: 2/26/2016 Amended: 2/6/2017

Watts Regulator Company Revision: 2009

Model: 9D-M2, (LF) 9D-M2 & LF9DS-M2 Size: 3/4 inch with S (sweat) & QC option Issued: 1/11/1973 Amended: 5/1/2003, 12/5/2007, 4/28/2009, 12/30/2009, 10/14/2011, 4/25/2012, 5/2/2012, 4/25/2017

Revision: 2009 Model: 9D-M3, (LF) 9D-M3 & LF9DS-M3 Size: 1/2 inch with S (sweat) & QC option

Issued: 1/11/1973 Amended: 5/1/2003 12/5/2007, 4/28/2009, 12/30/2009, 10/14/2011, 4/25/2012, 5/2/2012, 4/25/2017

Revision: 2009 Model: BBFP Size: 1/2 inch Issued: 8/10/2001 Amended: 5/1/2003, 12/30/2009

Revision: 2009 Model: BBFP Size: 3/4 inch Issued: 8/10/2001 Amended: 5/1/2003, 12/30/2009

Revision: 2009 Model: BBFP-S Size: 1/2 inch Issued: 8/10/2001 Amended: 5/1/2003, 12/30/2009

Wilkins / A Division of Zurn Revision: 2009 Model: 760 Size: 1/2 inch Issued: 9/21/2001 Amended: 12/30/2009,

2/6/2017, 8/10/2017

Revision: 2009 Model: 760 Size: 3/4 inch Issued: 9/21/2001 Amended: 12/30/2009, 2/6/2017, 8/10/2017

Wolverine c/o Conbraco | Revision: 2011 Revision: 2009 Model: C 9 DBP Size: 1/2 inch Issued: 6/2/1997 Amended: 12/30/2009

Revision: 2009 Model: C 9 DBP Size: 3/4 inch Issued: 6/2/1997 Amended: 12/30/2009

STANDARD #ASSE 1013

Reduced Pressure **Principle Backflow Preventers and Reduced** Pressure Principle Fire Protection Backflow Preventers ASSE-2011

AMES Fire & Waterworks, a Watts **Regulator Company** Revision: 2011 Model: 4000B (4000B-RS) & LF4000B (LF4000B-

RS) Size: 1 inch Orientation: Horizontal w/Watts FBV & FBV-E(QT), Keyguard SOV Issued: 12/18/2013 Amended: 7/1/2002, 2/26/2008, 10/28/2008, 7/11/2012

Revision: 2011 Model: 4000B (4000B-RS) & LF4000B (LF4000B-RS) Size: 1/2 inch **Orientation: Horizontal** w/Watts FBV & FBV-E (QT), Keyguard SOV Issued: 12/18/2013 Amended: 7/1/2002 2/26/2008, 10/28/2008, 7/11/2012

Revision: 2011 Model: 4000B (4000B-RS) & LF4000B (LF4000B-RS) Size: 1-1/2 inch Orientation: Horizontal w/Watts FBV & FBV E(QT), Keyguard SOV Issued: 12/18/2013 Amended: 7/1/2002, 2/26/2008, 10/28/2008,

7/11/2012

Model: 4000B (4000B-RS) & LF4000B (LF4000B-RS Size: 1-1/4 inch Orientation: Horizontal w/Watts FBV & FBV-E(QT), Keyguard SOV Issued: 12/18/2013 Amended: 7/1/2002 2/26/2008, 10/28/2008, 7/11/2012

Revision: 2011 Model: 4000B (4000B-RS) & LF4000B (LF4000B-RS Size: 2 inch Orientation: Horizontal w/Watts FBV & FBV

E(QT), Keyguard SOV Issued: 12/18/2013 Amended: 7/1/2002 2/26/2008, 10/28/2008, 7/11/2012

Revision: 2011 Model: 4000B (4000B-RS) & LF4000B (LF4000B-RS Size: 3/4 inch Orientation: Horizontal w/Watts FBV & FBV E(QT), Keyguard SOV Issued: 12/18/2013 Amended: 7/1/2002, /26/2008, 10/28/2008, 7/11/2012

Revision: 2011 Model: 4000B-FP & LF400B-FP Size: 1 1/2 inch **Orientation: Horizontal** Issued: 12/18/2013 Amended: 7/1/2002, 2/26/2008, 10/28/2008, 7/11/2012

Revision: 2011 Model: 4000B-FP & LF400B-FP Size: 1 1/4 inch Orientation: Horizontal Issued: 12/18/2013 Amended: 7/1/2002 2/26/2008, 10/28/2008, 7/11/2012

Revision: 2011 Model: 4000B-FP & LF400B-FP Size: 1 inch Orientation: Horizontal Issued: 12/18/2013 Amended: 7/1/2002, 2/26/2008, 10/28/2008, 7/11/2012

Revision: 2011 Model: 4000B-FP & LF400B-FP Size: 2 inch Orientation: Horizontal Issued: 12/18/2013 Amended: 7/1/2002, 2/26/2008, 10/28/2008, 7/11/2012

Revision: 2011 Model: 4000B-FP & LF400B-FP Size: 3/4 inch **Orientation: Horizontal** Issued: 12/18/2013 Amended: 7/1/2002, 2/26/2008, 10/28/2008, 7/11/2012

Revision: 2011 Model: 4000BM2 & LF4000BM2 Size: 1 inch **Orientation: Horizontal** w/ FBV-E Ball Valve Watts 409 RW OS & Y, Keyguard SOV Issued: 12/18/2013 Amended: 7/1/2002 2/26/2008, 10/28/2008, 7/11/2012

Revision: 2011 Model: 4000BM2-FP Size: 1 inch Orientation: Horizontal Issued: 12/18/2013 Amended: 7/1/2002, 2/26/2008, 10/28/2008, 7/11/2012

Revision: 2011 Model: 4000BM3 & LF4000BM3 Size: 3/4 inch **Orientation: Horizontal** w/ FBV (FBV-E) Ball Valve, Keyguard SOV Issued: 12/18/2013 Amended: 7/1/2002, 2/26/2008, 10/28/2008, 7/11/2012

Revision: 2011 Model: 4000BM3-FP & LF4000BM3-FP Size: 3/4 inch **Orientation: Horizontal** Issued: 12/18/2013 Amended: 7/1/2002 2/26/2008, 10/28/2008, 7/11/2012

Revision: 2011 Model: 4000SS (4000SS-RS) Size: 10 inch **Orientation: Horizontal** w/ Clow R/W F6102NRS & 6136OSY, Waterous 500NRS & OSY, Kennedy Ken Seal II NRS & OSY, Watts 405, 408, 409 Issued: 6/28/1991 Amended: 2/7/2018

Model: 4000SS (4000SS-Size: 2-1/2 inch Orientation: Horizontal w/ Clow R/W F6102NRS & 6136OSY, Waterous 500NRS & OSY, Kennedy Ken Seal II NRS & OSY, Watts 405, 408, 409 Issued: 6/28/1991 Amended: 4/1/1996, 8/31/2010 Revision: 2011 Model: 4000SS (4000SS-Size: 3 inch **Orientation: Horizontal** w/ Clow R/W F6102NRS & 6136OSY, Waterous 500NRS & OSY, Kennedy Ken Seal II NRS & OSY, Watts 405, 408, 409 Issued: 6/28/199 Amended: 4/1/1996, 8/31/2010

Revision: 2011

RS)

RS)

Revision: 2011 Model: 4000SS (4000SS-RS) Size: 4 inch **Orientation: Horizontal** w/ Clow R/W F6102NRS & 6136OSY, Waterous 500NRS & OSY, Kennedy Ken Seal II NRS & OSY, Watts 405, 408, 409 Issued: 6/28/199 Amended: 4/1/1996, 8/31/2010

Revision: 2011 Model: 4000SS (4000SS-RS) Size: 6 inch Orientation: Horizontal w/ Clow R/W F6102NRS & 6136OSY, Waterous 500NRS & OSY, Kennedy Ken Seal II NRS & OSY, Watts 405, 408, 409 Issued: 6/28/1991 Amended: 4/1/1996, 8/31/2010

Revision: 2011 Model: 4000SS (4000SS-RS) Size: 8 inch **Orientation: Horizontal**

w/ Clow R/W F6102NRS & 6136OSY, Waterous 500NRS & OSY, Kennedy Ken Seal II NRS & OSY, Watts 405, 408, 409 Issued: 6/28/1991 Amended: 2/7/2018

Model: Colt 400 Size: 10" **Orientation: Horizontal** w/Clow F6104/05/37/38/36/02;
 Kennedy 7592/93/61 & 7092/93/68;
 Union GV12, Hunter BFV; Hunter BV-2-1/2,3,4,6,8; Watts Regulator 409 RW OS & Y Issued: 12/18/2013 Amended: 2/1/2003 Revision: 2011 Model: Colt 400 Size: 2-1/2 **Orientation: Horizontal** w/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & 7092/93/68; Union GV12, Hunter BFV; Hunter BV-2-1/2,3,4,6,8 Issued: 12/18/2013 Amended: 2/1/2003 Revision: 2011 Model: Colt 400 Size: 3" Orientation: Horizontal w/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & 7092/93/68; Union GV12, Hunter BFV; Hunter BV-2-1/2,3,4,6,8 Issued: 12/18/2013 Amended: 2/1/2003 Revision: 2011 Model: Colt 400 Size: 4" **Orientation: Horizontal** w/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & 7092/93/68; Union GV12, Hunter BFV; Hunter BV-2-1/2,3,4,6,8; Watts Regulator 409 RW OS & Y Issued: 12/18/2013 Amended: 2/1/2003 Revision: 2011 Model: Colt 400 Size: 6' Orientation: Horizontal w/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & 7092/93/68; Union GV12, Hunter BFV; Hunter BV-2-1/2,3,4,6,8; Watts Regulator 409 RW OS & Y Issued: 12/18/2013 Amended: 2/1/2003

Revision: 2011

Revision: 2011 Model: Colt 400 Size: 8" 400Z **Orientation: Horizontal** Size: 3" w/Clow F6104/05/37/38/36/02; w/Clow Kennedy 7592/93/61 & 7092/93/68; Union GV12, Hunter BFV; Hunter BV-2-1/2,3,4,6,8, Watts Regulator 409 RW OS & Y Issued: 12/18/2013 OS & \ Amended: 2/1/2003 Revision: 2011 Model: Colt 400 RP BFG Size: 4" Orientation: Horizontal 4007 Size: 4" w/ Victaulic 702 Butterfly Series Issued: 2/18/2008 w/Clow Revision: 2011 Model: Colt 400 RP BFG Size: 6" Orientation: Horizontal w/ Victaulic 702 **Butterfly Valves** OS & Y Issued: 2/18/2008 Revision: 2011 Model: Colt 400N & Colt 400Z Size: 10" 400Z Size: 6" **Orientation: Horizontal** w/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & 7092/93/68; Union w/Clow GV12, Hunter BFV; Hunter BV-2 1/2,3,4,6,8;Watts Regulator 409 RW OS & OS & \ Issued: 12/18/2013 Amended: 2/1/2003 Revision: 2011 Model: Colt 400N & Colt 400Z 400Z Size: 2-1/2" Size: 8" **Orientation: Horizontal** w/Clow w/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & 7092/93/68; Union GV12, Hunter BFV; Hunter BV-2-1/2,3,4,6,8; Watts Regulator 409 RW OS & Y OS & Y Issued: 12/18/2013 Amended: 2/1/2003

Revision: 2011 Model: Colt 400N & Colt **Orientation: Horizontal** F6104/05/37/38/36/02; Kennedy 7592/93/61 & 7092/93/68; Union GV12, Hunter BFV; Hunter BV-2-1/2,3,4,6,8; Watts Regulator 409 RW Issued: 12/18/2013 Amended: 2/1/2003 Revision: 2011 Model: Colt 400N & Colt **Orientation: Horizontal** F6104/05/37/38/36/02; Kennedy 7592/93/61 & 7092/93/68; Union GV12, Hunter BFV; Hunter BV-2-1/2,3,4,6,8; Watts Regulator 409 RW Issued: 12/18/2013 Amended: 2/1/2003 Revision: 2011 Model: Colt 400N & Colt Orientation: Horizontal F6104/05/37/38/36/02; Kennedy 7592/93/61 & 7092/93/68; Union GV12, Hunter BFV Hunter BV-2-1/2,3,4,6,8; Watts Regulator 409 RW Issued: 12/18/2013 Amended: 2/1/2003 Revision: 2011 Model: Colt 400N & Colt **Orientation: Horizontal** F6104/05/37/38/36/02; Kennedy 7592/93/61 & 7092/93/68; Union GV12, Hunter BFV Hunter BV-2-1/2,3,4,6,8; Watts Regulator 409 RW Issued: 12/18/2013 Amended: 2/1/2003

Orientation: Horizontal w/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & 7092/93/68; Union GV12, Hunter BFV; Hunter BV-2-1/2,3,4,6,8; Watts Regulator 409 RW OS & Y Issued: 12/18/2013 Amended: 2/1/2003 Revision: 2011 Model: Maxim 400 Size: 2-1/2 Orientation: Horizontal w/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & 7092/93/68; Union GV12, Hunter BFV; Hunter BV-2-1/2,3,4,6,8; Watts Regulator 409 RW OS & Y Issued: 12/18/2013 Amended: 2/1/2003 Revision: 2011 Model: Maxim 400 Size: 3" **Orientation: Horizontal** w/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & 7092/93/68; Union GV12, Hunter BFV; Hunter BV-2-1/2,3,4,6,8; Watts Regulator 409 RW OS & \ Issued: 12/18/2013 Amended: 2/1/2003 Revision: 2011 Model: Maxim 400 Size: 4" **Orientation: Horizontal** w/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & 7092/93/68; Union GV12, Hunter BFV; Hunter BV-2-1/2,3,4,6,8; Watts Regulator 409 RW OS & Y Issued: 12/18/2013 Amended: 2/1/2003 Revision: 2011 Model: Maxim 400 Size: 6" **Orientation: Horizontal** w/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & 7092/93/68; Union GV12, Hunter BFV;

Hunter BV-2-1/2,3,4,6,8;

Watts Regulator 409 RW

Issued: 12/18/2013 Amended: 2/1/2003

OS & Y

Revision: 2011

Size: 10"

Model: Maxim 400

Revision: 2011 Model: Maxim 400 Size: 8" **Orientation: Horizontal** w/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & 7092/93/68; Union GV12, Hunter BFV; Hunter BV-2-1/2,3,4,6,8;, Watts Regulator 409 RW OS & Issued: 12/18/2013 Amended: 2/1/2003 Revision: 2011 Model: Maxim 400N & Maxim 400Z Size: 10' **Orientation: Horizontal** w/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & 7092/93/68; Union GV12, Hunter BFV; Hunter BV-2-1/2,3,4,6,8; Watts Regulator 409 RW OS & Y Issued: 12/18/2013 Amended: 2/1/2003 Revision: 2011 Model: Maxim 400N & Maxim 400Z Size: 2-1/2" **Orientation: Horizontal** w/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & 7092/93/68; Union GV12, Hunter BFV; Hunter BV-2-1/2,3,4,6,8; Watts Regulator 409 RW 05 & 1 Issued: 12/18/2013 Amended: 2/1/2003 Revision: 2011 Model: Maxim 400N & Maxim 400Z Size: 3' **Orientation: Horizontal** w/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & 7092/93/68; Union GV12, Hunter BFV Hunter BV-2-1/2,3,4,6,8; Watts Regulator 409 RW OS & Y Issued: 12/18/2013 Amended: 2/1/2003

Revision: 2011 Model: Maxim 400N & Maxim 400Z Size: 4" Orientation: Horizontal w/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & 7092/93/68; Union GV12, Hunter BFV; Hunter BV-2-1/2,3,4,6,8; Watts Regulator 409 RW OS & Y Issued: 12/18/2013 Amended: 2/1/2003

Revision: 2011 Model: Maxim 400N & Maxim 400Z Size: 6" Orientation: Horizontal w/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & 7092/93/68; Union GV12, Hunter BFV; Hunter BV-2-1/2,3,4,6,8; Watts Regulator 409 RW OS & Y Issued: 12/18/2013 Amended: 2/1/2003

Revision: 2011 Model: Maxim 400N & Maxim 400Z Size: 8" Orientation: Horizontal w/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & 7092/93/68; Union GV12, Hunter BFV; Hunter BV-2-1/2,3,4,6,8; Watts Regulator 409 RW OS & Y Issued: 12/18/2013 Amended: 2/1/2003

Apollo Valves / Conbraco Industries Revision: 2011 Model: RP4A Size: 1 1/2" Orientation: Horizontal w/ 7B,77B, 77C, 91B, 91C,77S-XT Series ball valves Issued: 2/18/2008 Amended: 1/5/2009, 2/16/2009, 5/14/2009, 5/3/2017

Revision: 2011 Model: RP4A Size: 1 1/4" Orientation: Horizontal w/ 7B, 77B, 77C, 91B, 91C Series ball valves Issued: 2/18/2008 Amended: 1/5/2009, 2/16/2009, 5/14/2009, 5/3/2017 Revision: 2011 Model: RP4A Size: 1" Orientation: Horizontal w/ 7B, 77B, 77C, 91B, 91C Series ball valves Issued: 7/28/2008 Amended: 2/16/2009, 5/14/2009, 5/3/2017

Revision: 2011 Model: RP4A Size: 1/2" Orientation: Horizontal w/7B, 77B, 77C, 91B, 91C Series ball valves Issued: 12/19/2008 Amended: 2/16/2009, 5/14/2009, 5/3/2017

Revision: 2011 Model: RP4A Size: 2" Orientation: Horizontal w/ 7B,77B, 77C, 91B, 91C,77S-XT Series ball valves Issued: 1/15/2009 Amended: 2/16/2009, 5/14/2009, 5/3/2017

Revision: 2011 Model: RP4A Size: 3/4" Orientation: Horizontal w/ 7B, 77B, 77C, 91B, 91C Series ball valves Issued: 2/18/2008 Amended: 2/16/2009, 5/14/2009, 5/3/2017

Revision: 2011 Model: RP4A & RPLF4A Size: 10" Orientation: Horizontal w/ Kennedy Model KS-RW gate valve or Apollo Model GV gate valve & Victaulic Series 702 Firelock Butterfly Valves Issued: 2/18/2008 Amended: 6/20/2018

Revision: 2011 Model: RP4A & RPLF4A Size: 12" Orientation: Vertical Up - Vertical Down w/ Kennedy Model KS-RW gate valve Issued: 2/18/2008 Amended: 6/20/2018

Revision: 2011 Model: RP4A & RPLF4A Size: 2 1/2" Orientation: Horizontal w/ Kennedy Model KS-RW gate valve or Apollo Model GV gate valve & Victaulic Series 702 Firelock Butterfly Valves Issued: 2/18/2008 Amended: 6/20/2018 Revision: 2011 Model: RP4A & RPLF4A Size: 3" Orientation: Horizontal w/ Kennedy Model KS-RW gate valve or Apollo Model GV gate valve & Victaulic Series 702 Firelock Butterfly Valves Issued: 2/18/2008 Amended: 6/20/2018

Revision: 2011 Model: RP4A & RPLF4A Size: 4" Orientation: Horizontal w/ Kennedy Model KS-RW gate valve or Apollo Model GV gate valve & Victaulic Series 702 Firelock Butterfly Valves Issued: 2/18/2008 Amended: 6/20/2018

Revision: 2011 Model: RP4A & RPLF4A Size: 6" w/ Kennedy Model KS-RW gate valve or Apollo Model GV gate valve & Victaulic Series 702 Firelock Butterfly Valves Issued: 2/18/2008

Amended: 6/20/2018

Revision: 2011 Model: RP4A & RPLF4A Size: 8" w/ Kennedy Model KS-RW gate valve or Apollo Model GV gate valve & Victaulic Series 702 Firelock Butterfly Valves Issued: 2/18/2008 Amended: 6/20/2018

Revision: 2011 Model: RP4AN & RPLF4AN Size: 10" Orientation: Vertical Up - Vertical Down w/ Kennedy Model KS-RW gate valve or Apollo Model GV gate valve & Victaulic Series 702 Firelock Butterfly Valves Issued: 2/18/2008 Amended: 6/20/2018

Revision: 2011 Model: RP4AN & RPLF4AN Size: 2 1/2" Vertical up/Down, Vertical up/Vertical Up w/Victaulic Series 702 Firelock Butterfly Valves & Kennedy Model KS-RW gate valves or Apollo Model GV gate valve Issued: 2/18/2008 Amended: 6/20/2018 Revision: 2011 Model: RP4AN & RPLF4AN Size: 3" Vertical Up/Down, Vertical Up/Vertical Up w/ Victaulic Series 702 Firelock Butterfly Valves & Kennedy Model KS-RW gate valves or Apollo Model GV gate valve Issued: 2/18/2008 Amended: 6/20/2018

Revision: 2011 Model: RP4AN & RPLF4AN Size: 4" Vertical Up/Down, Vertical Up/Vertical Up w/Victaulic 702 Firelock Butterfly Valves or Kennedy KS-RW Gate Valves or Apollo Model GV gate valve Issued: 2/18/2008 Amended: 6/20/2018

Revision: 2011 Model: RP4AN & RPLF4AN Size: 6" Vertical Up/Down, Vertical Up/Vertical Up w/ Victaulic 702 Firelock Butterfly Valves or Kennedy KS-RW Gate Valves or Apollo Model GV gate valve Issued: 2/18/2008 Amended: 6/20/2018

Revision: 2011 Model: RP4AN & RPLF4AN Size: 8" Vertical Up/Down, Vertical Up/Vertical Up w/ Vicatulic Model 702 Butterfly Valve or Kennedy KS-RW Gate Valves or Apollo Model GV gate valve Issued: 2/18/2008 Amended: 6/20/2018

Revision: 2011 Model: RP4AN & RPLF4AN Size: 12" w/ Kennedy Model KS-RW gate valve Issued: 2/18/2008 Amended: 6/20/2018

Revision: 2011 Model: RP4AN, RPLF4AN Size: 1" Orientation: Vertical Up - Vertical Down Uses Apollo 91 or 91LF Series ball valves Issued: 2/18/2008 Revision: 2011 Model: RP4AN, RPLF4AN Size: 3/4" Orientation: Vertical Up - Vertical Down Uses Apollo 91 or 91LF Series ball valves Issued: 2/18/2008

Revision: 2011 Model: RPLF4A Size: 1 1/2" Orientation: Horizontal w/ 77BLF, 77CLF, 91BLF, 91CLF,77SLF-XT Series ball valves Issued: 2/18/2008 Amended: 2/16/2009, 5/14/2009, 5/3/2017

Revision: 2011 Model: RPLF4A Size: 1 1/4" Orientation: Horizontal w/ 77BLF, 77CLF, 91BLF, 91CLF Series ball valves Issued: 2/18/2008 Amended: 2/16/2009, 5/14/2009, 5/3/2017

Revision: 2011 Model: RPLF4A Size: 1" Orientation: Horizontal w/ 77BLF, 77CLF, 91BLF, 91CLF Series ball valves Issued: 7/28/2008 Amended: 2/16/2009, 5/14/2009, 5/3/2017

Revision: 2011 Model: RPLF4A Size: 1/2" Orientation: Horizontal w/ 77BLF, 77CLF, 91BLF, 91CLF Series ball valves Issued: 2/18/2008 Amended: 2/16/2009, 5/14/2009, 5/3/2017

Revision: 2011 Model: RPLF4A Size: 2" Orientation: Horizontal w/ 77BLF, 77CLF, 91BLF, 91CLF,77SLF-XT Series ball valves Issued: 2/18/2008 Amended: 2/16/2009, 5/14/2009, 5/3/2017

Revision: 2011 Model: RPLF4A Size: 3/4" Orientation: Horizontal w/ 77BLF, 77CLF, 91BLF, 91CLF Series ball valves Issued: 2/18/2008 Amended: 2/16/2009, 5/14/2009, 5/3/2017

ARI Flow Control	Revision: 2011	Revision: 2011	Revision: 2011	Revision: 2011
Accessories	Model: Deringer 40[G] /	Model: FRP Size: 2"	Model: 825Y & LF825Y	Model: 860, LF860
Revision: 2011 Model: RP 500, RP 501	Magnum 40[G] Size: 8"	Orientation: Horizontal	Size: 2 inch Orientation: Horizontal	Size: 1 inch Orientation: Horizontal
Size: 1/2, 3/4, 1 inch	Orientation: Horizontal	With BEECO ball valve	w/Febco 622 BV-QT,	w/Febco 622 BV-QT,
Orientation: Horizontal	Integral SOVs-Deringer	SOV	KeyGuard SOV	KeyGuard SOV. U model
w/ ARI HC262 ball	with Tamper	Issued: 5/11/2017	Issued: 9/17/1981	w/Febco 622U BV-QT. LF
valves; ARI Plasson nylon	Switches/Magnum		Amended: 10/28/2008,	model replaces internal
ball valves	WITHOUT Tamper	Revision: 2011	7/11/2012	components from
Issued: 2/2/2004	Switches [G] Gate SOVs-	Model: FRP	Povicione 2011	C83600 to SS304
Amended: 1/24/2011, 3/2/2011, 8/13/2012,	NRS/OS&Y Issued: 9/13/2016	Size: 3" With BEECO ball valve	Revision: 2011 Model: 825Y & LF825Y	Issued: 10/28/1996 Amended: 10/28/2008,
6/20/2018, 8/6/2018	Amended: 4/13/2018	SOV. Horizontal and	Size: 3/4 inch	9/6/2012
0, 20, 2020, 0, 0, 2020		Vertical Up orientations.	Orientation: Horizontal	5, 0, =0 ==
Revision: 2011	Revision: 2011	Issued: 5/11/2017	w/Febco 622 BV-QT,	Revision: 2011
Model: RP 500, RP 501	Model: Deringer 40[G]X	D 2011	KeyGuard SOV	Model: 860, LF860
Size: 1-1/4, 1-1/2, 2 inch	/ Magnum 40[G]X Size: 6"	Revision: 2011 Model: FRP	Issued: 9/17/1981	Size: 1/2 inch Orientation: Horizontal
Orientation: Horizontal w/ ARI HC262 ball	Orientation: Horizontal	Size: 3/4"	Amended: 10/28/2008, 7/11/2012	w/Febco 622 BV-QT,
valves; ARI Plasson nylon	Integral SOVs-Deringer	Orientation: Horizontal	//11/2012	KeyGuard SOV. U model
ball valves	with Tamper	With BEECO ball valve	Revision: 2011	w/Febco 622U BV-QT. LF
Issued: 2/2/2004	Switches/Magnum	SOV	Model: 825YA &	model replaces internal
Amended: 6/20/2018,	WITHOUT Tamper	Issued: 5/11/2017	LF825YA	components from
8/6/2018	Switches [G] Gate SOVs-	Povision: 2011	Size: 1 inch Orientation: Horizontal	C83600 to SS304
Backflow Direct, LLC	NRS/OS&Y Issued: 11/21/2016	Revision: 2011 Model: FRP	w/Febco 622 BV-QT,	Issued: 10/28/1996 Amended: 10/28/2008,
Revision: 2011	Amended: 4/13/2018	Size: 4"	KeyGuard SOV	9/6/2012
Model: Deringer 40[G] /		With BEECO ball valve	Issued: 9/17/1990	-, -,
Magnum 40[G]	BEECO (division of	SOV. Horizontal and	Amended: 10/28/2008,	Revision: 2011
Size: 2 ½"	MIFAB, Inc.)	Vertical Up orientations.	7/11/2012	Model: 860, LF860
Orientation: Horizontal Integral SOVs-Deringer	Revision: 2011 Model: FRP	Issued: 5/11/2017	Revision: 2011	Size: 10 inch Orientation: Horizontal
with Tamper	Size: 1 1/2"	Revision: 2011	Model: 825YA &	w/Kennedy KS II or
Switches/Magnum	Orientation: Horizontal	Model: FRP	LF825YA	Kennedy flange by
WITHOUT Tamper	With BEECO ball valve	Size: 6"	Size: 1-1/2 inch	groove OS&Y, Watts
Switches [G] Gate SOVs-	SOV	Orientation: Horizontal	Orientation: Horizontal	405-RW NRS Series,
NRS/OS&Y	Issued: 5/11/2017	With BEECO ball valve	w/Febco 622 BV-QT,	Watts 409 OSY Series,
Issued: 3/30/2016 Amended: 4/13/2018,	Revision: 2011	SOV. Issued: 5/11/2017	KeyGuard SOV Issued: 9/17/1990	Kennedy Series 7092ABF-OSY
11/28/2018	Model: FRP	135020. 5/11/2017	Amended: 10/28/2008,	LF model replaces
	Size: 1 1/4"	FEBCO, a Watts	7/11/2012	internal components
Revision: 2011	Orientation: Horizontal	Regulator Company		from C83600 to SS304
Model: Deringer 40[G] /	With BEECO ball valve	Revision: 2011	Revision: 2011	Issued: 3/24/1992
Magnum 40[Ğ] Size: 3"	SOV. Issued: 5/11/2017	Model: 825Y & LF825Y Size: 1 inch	Model: 825YA & LF825YA	Amended: 2/9/2006, 4/26/2006, 9/6/2012
Orientation: Horizontal	135020. 5/11/2017	Orientation: Horizontal	Size: 2 inch	4/20/2000, 9/0/2012
Integral SOVs-Deringer	Revision: 2011	w/Febco 622 BV-QT,	Orientation: Horizontal	Revision: 2011
with Tamper	Model: FRP	KeyGuard SOV	w/Febco 622 BV-QT,	Model: 860, LF860
Switches/Magnum	Size: 1"	Issued: 9/17/1981	KeyGuard SOV	Size: 1-1/2 inch
WITHOUT Tamper Switches [G] Gate SOVs-	Orientation: Horizontal With BEECO ball valve	Amended: 10/28/2008, 7/11/2012	Issued: 9/17/1990 Amended: 10/28/2008,	Orientation: Horizontal w/Febco 622 BV-QT,
NRS/OS&Y	SOV	//11/2012	7/11/2012	KeyGuard SOV. U model
Issued: 3/30/2016	Issued: 5/11/2017	Revision: 2011	.,,	w/Febco 622U BV-QT. LF
Amended: 4/13/2018,		Model: 825Y & LF825Y	Revision: 2011	model replaces internal
11/28/2018	Revision: 2011	Size: 1-1/2 inch	Model: 825YA &	components from
Revision: 2011	Model: FRP	Orientation: Horizontal	LF825YA Size: 3/4 inch	C83600 to SS304
Revision: 2011 Model: Deringer 40[G] /	Size: 1/2" Orientation: Horizontal	w/Febco 622 BV-QT , KeyGuard SOV	Size: 3/4 inch Orientation: Horizontal	Issued: 10/28/1996 Amended: 10/28/2008,
Magnum 40[G]	With BEECO ball valve	Issued: 9/17/1981	w/Febco 622 BV-QT,	9/6/2012
Size: 4"	SOV.	Amended: 10/28/2008,	KeyGuard SOV	0,0,000
Orientation: Horizontal	Issued: 5/11/2017	7/11/2012	Issued: 9/17/1990	Revision: 2011
Integral SOVs-Deringer	Devision 2011	Devision 2011	Amended: 10/28/2008,	Model: 860, LF860
with Tamper	Revision: 2011 Model: FRP	Revision: 2011 Model: 825Y & LF825Y	7/11/2012	Size: 1-1/4 inch Orientation: Horizontal
Switches/Magnum WITHOUT Tamper	Size: 2 1/2"	Size: 1-1/4 inch		w/Febco 622 BV-QT,
Switches [G] Gate SOVs-	Orientation: Horizontal	Orientation: Horizontal		KeyGuard SOV. U model
NRS/OS&Y	With BEECO ball valve	w/Febco 622 BV-QT,		w/Febco 622U BV-QT. LF
Issued: 3/30/2016	SOV. Horizontal and	KeyGuard SOV		model replaces internal
Amended: 4/13/2018,	Vertical Up orientations.	Issued: 9/17/1981		components from
11/28/2018	Issued: 5/11/2017	Amended: 10/28/2008, 7/11/2012		C83600 to SS304 Issued: 10/28/1996
		,, 11,2012		Amended: 10/28/2008,
				9/6/2012

Revision: 2011 Model: 860, LF860 Size: 2 inch Orientation: Horizontal w/Febco 622 BV-QT, KeyGuard SOV. U model w/Febco 622U BV-QT. LF model replaces internal components from C83600 to SS304 Issued: 10/28/1996 Amended: 10/28/2008, 9/6/2012

Revision: 2011 Model: 860, LF860 Size: 2-1/2 inch **Orientation: Horizontal** w/Kennedy KS II or Kennedy flange by groove OS&Y, Watts 405-RW NRS Series, Watts 409 OSY Series, Kennedy Series 7092ABF-OSY LF model replaces internal components from C83600 to SS304 Issued: 3/24/1992 Amended: 2/9/2006, 4/26/2006, 9/6/2012, 7/20/2017

Revision: 2011 Model: 860, LF860 Size: 3 inch Orientation: Horizontal w/Kennedy KS II or Kennedy flange by groove OS&Y, Watts 405-RW NRS Series, Watts 409 OSY Series, Watts 409 OSY Series, Kennedy Series 7092ABF-OSY LF model replaces internal components from C83600 to SS304 Issued: 3/24/1992 Amended: 2/9/2006, 4/26/2006, 9/6/2012, 7/20/2017

Revision: 2011 Model: 860, LF860 Size: 3/4 inch Orientation: Horizontal w/Febco 622 BV-QT, KeyGuard SOV. U model w/Febco 622U BV-QT. LF model replaces internal components from C83600 to SS304 Issued: 10/28/1996 Amended: 10/28/2008, 9/6/2012

Revision: 2011 Model: 860, LF860 Size: 4 inch **Orientation: Horizontal** w/Kennedy KS II or Kennedy flange by groove OS&Y, Watts 405-RW NRS Series, Watts 409 OSY Series, Kennedy Series 7092ABF-OSY LF model replaces internal components from C83600 to SS304 Issued: 3/24/1992 Amended: 2/9/2006, 4/26/2006, 9/6/2012, 7/20/2017 Revision: 2011 Model: 860, LF860 Size: 6 inch **Orientation: Horizontal** w/Kennedy KS II or Kennedy flange by groove OS&Y, Watts 405-RW NRS Series, Watts 409 OSY Series, **Kennedy Series** 7092ABF-OSY LF model replaces internal components from C83600 to SS304 Issued: 3/24/1992 Amended: 2/9/2006,

Revision: 2011 Model: 860, LF860 Size: 8 inch Orientation: Horizontal w/Kennedy KS II or Kennedy flange by groove OS&Y, Watts 405-RW NRS Series, Watts 409 OSY Series, Kennedy Series 7092ABF-OSY LF model replaces internal components from C83600 to SS304 Issued: 3/24/1992 Amended: 2/9/2006, 4/26/2006, 9/6/2012, 7/20/2017

4/26/2006, 9/6/2012,

7/20/2017

Revision: 2011 Model: 880V, LF880V Size: 10 inch Orientation: Vertical Up - Vertical Down VUVU and VUVD w/Kennedy KS II or Kennedy flange by groove OS&Y, Watts 405-RW NRS Series, Watts 409 OSY Series, Kennedy Series 7092ABF-OSY Issued: 7/13/1993 Amended: 2/9/2006, 2/3/2017

Revision: 2011 Model: 880V, LF880V Size: 2-1/2 inch **Orientation: Vertical Up** - Vertical Down VUVU and VUVD w/Kennedy KS II or Kennedy flange by groove OS&Y, Watts 405-RW NRS Series, Watts 409 OSY Series, Kennedy Series 7092ABF-OSY Issued: 7/13/1993 Amended: 2/9/2006, 10/17/2012, 2/3/2017 Revision: 2011 Model: 880V, LF880V Size: 3 inch **Orientation: Vertical Up** - Vertical Down VUVU and VUVD w/Kennedy KS II or Kennedy flange by groove ÓS&Y, Watts 405-RW NRS Series, Watts 409 OSY Series, **Kennedy Series** 7092ABF-OSY Issued: 7/13/1993 Amended: 2/9/2006, 10/17/2012, 2/3/2017 Revision: 2011 Model: 880V, LF880V Size: 4 inch **Orientation: Vertical Up** - Vertical Down VUVU and VUVD w/Kennedy KS II or Kennedy flange by groove ÓS&Y, Watts 405-RW NRS Series, Watts 409 OSY Series, **Kennedy Series** 7092ABF-OS Issued: 7/13/1993 Amended: 2/9/2006, 10/17/2012, 2/3/2017 Revision: 2011 Model: 880V, LF880V Size: 6 inch **Orientation: Vertical Up** - Vertical Down VUVU and VUVD w/Kennedy KS II or Kennedy flange by groove ÓS&Y, Watts 405-RW NRS Series, Watts 409 OSY Series, Kennedy Series 7092ABF-OSY Issued: 7/13/1993 Amended: 2/9/2006, 10/17/2012, 2/3/2017 Revision: 2011 Model: 880V, LF880V Size: 8 inch Orientation: Vertical Up - Vertical Down

VUVU and VUVD w/Kennedy KS II or Kennedy flange by groove OS&Y, Watts 405-RW NRS Series, Watts 409 OSY Series, Kennedy Series 7092ABF-OSY Issued: 7/13/1993 Amended: 2/9/2006, 10/17/2012, 2/3/2017 Watts Regulator Company Revision: 2011 Model: (LF) 009M2FP (PC) Size: 1 1/2" Horizontal w/ Watts FBV-FP- (E) Issued: 10/27/2009 Revision: 2011 Model: (LF) 009M2FP (PC) Size: 1 1/4" Horizontal w/ Watts FBV-FP- (E) Issued: 10/27/2009 Revision: 2011 Model: (LF) 009M2FP (PC) Size: 1" Horizontal w/ Watts FBV-FP-(E) Issued: 10/27/2009 Revision: 2011 Model: (LF) 009M2FP

Model: (LF) 009M2FP (PC) Size: 2" Horizontal w/ Watts FBV-FP- (E) Issued: 10/27/2009

Revision: 2011 Model: (LF) 009M3-FP Size: 3/4" Horizontal w/ Watts FBV-FP- (E) Issued: 10/27/2009

Revision: 2011 Model: 009 (LF) Size: 2 1/2 inch Orientation: Horizontal -Vertical Down w/Clow R/W F6102 NRS & 61360SY, Waterous 500NRS & OSY, Kennedy Ken Seal II NRS & OSY, Watts 405, 408, 409 Issued: 2/5/1987 Amended: 6/1/1994, 9/8/2005, 2/21/2006, 5/19/2008, 9/9/2009 Revision: 2011 Model: 009 (LF) Size: 3 inch Orientation: Horizontal -Vertical Down w/Clow R/W F6102 NRS & 6136OSY, Waterous 500NRS & OSY, Kennedy Ken Seal II NRS & OSY, Watts 405, 408, 409 Issued: 2/5/1987 Amended: 6/1/1994, 9/8/2005, 2/21/2006, 5/19/2008, 9/9/2009

Revision: 2011 Model: 009-FP Size: 3/4" Horizontal - Vertical Down w/ Watts FBV-FP-(E) Issued: 10/27/2009

Revision: 2011 Model: 009M2QT (LF) (PC) Size: 1 1/4 inch Orientation: Horizontal -Vertical Down w/ Watts FBV(E), KeyGuard SOV Issued: 2/5/1987 Amended: 2/21/2006, 5/19/2008, 9/17/2015

Revision: 2011 Model: 009M2QT (LF) (PC) Size: 1 inch Orientation: Horizontal -Vertical Down w/ Watts FBV(E), KeyGuard SOV Issued: 2/5/1987 Amended: 2/21/2006, 5/19/2008, 9/17/2015

Revision: 2011 Model: 009M2QT (LF) (PC) Size: 2 inch Orientation: Horizontal -Vertical Down w/ Watts FBV(E), Kennedy Ken Seal II OSY, KeyGuard SOV Issued: 2/5/1987 Amended: 2/21/2006, 5/19/2008, 9/17/2015

Revision: 2011 Model: 009M2QT (LF) (PC) Size: 3/4 inch Orientation: Horizontal -Vertical Down w/ Watts FBV(E), KeyGuard SOV Issued: 2/5/1987 Amended: 2/21/2006, 5/19/2008, 9/17/2015

Revision: 2011	Revision: 2011	Revision: 2011	Revision: 2011	Revision: 2011
Model: 009M2QT (LF)	Model: 009QT (LF) (PC)	Model: 909 (LF) (SR) &	Model: 909M1 (LF, SR)	Model: 909M1QT (LF)
PC)	(U)	(LF) 909	& (LF) 909M1	(PC, HW) & (LF)
Size: 1 1/2 inch	Size: 1-1/4 inch	Size: 4 inch	Size: 10 inch	909M1QT
Orientation: Horizontal - Vertical Down	Orientation: Horizontal - Vertical Down	Vertical Down/Horizontal w/	Orientation: Horizontal w/ Clow R/W F6102 NRS	Size: 2 inch Vertical Down/Vertical
w/ Watts FBV(E),	w/Watts FBV(E),	Clow R/W F6102NRS &	& 61360SY, Waterous	Up/Horizontal w/ Watts
Kennedy Ken Seal II OSY,	KeyGuard SOV	61360SY, Waterous 500	500 NRS & OSY, Kennedy	FBV(E), Kennedy Ken
KeyGuard SOV	Issued: 2/5/1987	NRS & OŚY, Kennedy Ken	Ken Seal II NRS &OSY,	Seal II OSY, KeyGuard
Issued: 2/5/1987	Amended: 2/21/2006,	Seal II NRS & OSY, Watts	Watts 405, 408, 409	SOV
Amended: 2/21/2006,	4/10/2006, 5/19/2008	405, 408, 409	Issued: 3/29/1991	Issued: 3/29/1991
5/19/2008, 9/17/2015	Devision: 2011	Issued: 3/29/1991	Amended: 11/7/2006,	Amended: 11/7/2006,
Revision: 2011	Revision: 2011 Model: 009QT (LF) (PC)	Amended: 11/7/2006, 2/21/2008, 10/29/2008,	2/21/2008, 10/29/2008, 11/29/2011	2/21/2008, 10/29/2008, 11/29/2011
Model: 009M3-QT (LF)	(U)	3/7/2011, 11/29/2011	11/25/2011	11/29/2011
Size: 3/4 inch	Size: 2 inch	5, 7, 2011, 11, 25, 2011	Revision: 2011	Revision: 2011
Orientation: Horizontal -	Orientation: Horizontal -	Revision: 2011	Model: 909M1 (LF, SR)	Model: 909QT (LF, FAE,
Vertical Down	Vertical Down	Model: 909 (LF) (SR) &	& (LF) 909M1	PC, HW) & (LF) 909QT
w/ Watts FBV(E),	w/Watts FBV(E),	(LF) 909	Size: 8 inch	Size: 1 1/2 inch
KeyGuard SOV	Kennedy Ken Seal II OSY,	Size: 6 inch Orientation: Horizontal	Orientation: Horizontal	Horizontal, Vertical Up,
Issued: 2/5/1987 Amended: 2/21/2006,	KeyGuard SOV Issued: 2/5/1987	w/ Clow R/W F6102 NRS	w/ Clow R/W F6102 NRS & 6136OSY, Waterous	Vertical Down w/ Watts FBV(E), Kennedy Ken
5/19/2008, 9/17/2015	Amended: 2/21/2006,	& 61360SY, Waterous	500 NRS & OSY, Kennedy	Seal II OSY, KeyGuard
3/13/2000, 3/17/2013	4/10/2006, 5/19/2008	500 NRS & OSY, Kennedy	Ken Seal II NRS &OSY,	SOV
Revision: 2011	, , ,	Ken Seal II NRS & OSY,	Watts 405, 408, 409	Issued: 3/29/1991
Model: 009QT (LF) (PC)	Revision: 2011	Watts 405, 408, 409	Issued: 3/29/1991	Amended: 11/7/2006,
Size: 1/2 inch	Model: 009QT (LF) (PC)	Issued: 3/29/1991	Amended: 11/7/2006,	2/21/2008, 10/29/2008,
Orientation: Horizontal -	(U) Size: 2 (4 in ch	Amended: 11/7/2006,	2/21/2008, 10/29/2008,	11/29/2011
Vertical Down w/ Watts FBV(E),	Size: 3/4 inch Orientation: Horizontal -	2/21/2008, 10/29/2008, 11/29/2011	11/29/2011	Revision: 2011
KeyGuard SOV	Vertical Down	11/23/2011	Revision: 2011	Model: 909QT (LF, FAE,
Issued: 2/5/1987	Issued: 2/5/1987	Revision: 2011	Model: 909-M1 (SR) &	PC, HW) & (LF) 909QT
Amended: 2/21/2006,	Amended: 2/21/2006,	Model: 909BB (LF, SR) &	(LF) 909-M1	Size: 1 1/4 inch
5/19/2008, 9/17/2015	4/10/2006, 5/19/2008	(LF) 909BB	Size: 8 inch	Horizontal, Vertical Up,
Devision 2011	Devision 2011	Size: 2 1/2 inch	Orientation: Horizontal	Vertical Down w/ Watts
Revision: 2011 Model: 009QT (LF) (PC)	Revision: 2011 Model: 009QT (LF) PC)	Horizontal/Vertical Down w/ Clow R/W	w/ Clow R/W F6102NRS & 6136OSY, Waterous	FBV(E), KeyGuard SOV Issued: 3/29/1991
Size: 3/8 inch	Size: 1/4 inch	F6102 NRS & 61360SY,	500NRS & OSY, Kennedy	Amended: 11/7/2006,
Orientation: Horizontal -	Orientation: Horizontal -	Waterous 500 NRS &	Ken Seal II NRS & OSY,	2/21/2008, 10/29/2008,
Vertical Down	Vertical Down	OSY, Kennedy Ken Seal II	Watts 405, 408, 409	11/29/2011
w/ Watts FBV(E),	w/ FBV & FBV(E)	NRS &OSY, Watts 405,	Issued: 3/29/1991	
KeyGuard SOV	Issued: 2/5/1987	408, 409	Amended: 11/7/2006,	Revision: 2011
Issued: 2/5/1987	Amended: 2/21/2006,	Issued: 3/29/1991	2/21/2008, 10/29/2008,	Model: 909QT (LF, FAE,
Amended: 2/21/2006, 5/19/2008, 9/17/2015	5/19/2008	Amended: 11/7/2006, 2/21/2008, 10/29/2008,	11/29/2011	PC, HW) & (LF) 909QT Size: 2 inch
5/15/2008, 5/17/2015	Revision: 2011	3/7/2011, 11/29/2011	Revision: 2011	Horizotnal, Vertical Up
Revision: 2011	Model: 909 (LF) (SR) &	3, 7, 2011, 11, 23, 2011	Model: 909M1QT (LF)	w/ Watts FBV(E),
Model: 009QT (LF) (PC)	(LF) 909	Revision: 2011	(PC, HW) & (LF)	Kennedy Ken Seal II OSY,
(U)	Size: 2 1/2 inch	Model: 909BB (LF, SR) &	909M1QT	KeyGuard SOV
Size: 1 inch Orientation: Horizontal -	Vertical Down/Horizontal w/	(LF) 909BB Size: 3 inch	Size: 1 1/2 inch Vertical Down/Vertical	
Vertical Down	Clow R/W F 6102NRS &	Horizontal/Vertical	Up/Horizontal w/ Watts	Issued: 3/29/1991
w/Watts FBV(E),	61360SY, Waterous 500	Down w/ Clow R/W	FBV(E), Kennedy Ken	Amended: 11/7/2006,
KeyGuard SOV	NRS & OSY, Kennedy Ken	F6102 NRS & 61360SY,	Seal II OSY, KeyGuard	2/21/2008, 10/29/2008,
Issued: 2/5/1987	Seal II NRS & OSY, Watts	Waterous 500 NRS &	SOV	11/29/2011
Amended: 2/21/2006,	405, 408, 409	OSY, Kennedy Ken Seal II	Issued: 3/29/1991	
4/10/2006, 5/19/2008	Issued: 3/29/1991	NRS & OSY, Watts 405,	Amended: 11/7/2006,	Revision: 2011
Revision: 2011	Amended: 11/7/2006, 2/21/2008, 10/29/2008,	408, 409 Issued: 3/29/1991	2/21/2008, 10/29/2008, 11/29/2011	Model: 909QT (LF,U, PC,HW) & (LF) 909QT -
Model: 009QT (LF) (PC)	3/7/2011, 11/29/2011	Amended: 11/7/2006,	11/25/2011	LISTED TO 1013-2011
(U)	0, 1, 2022, 22, 20, 2022	2/21/2008, 10/29/2008,	Revision: 2011	Size: 1 inch
Size: 1-1/2 inch	Revision: 2011	3/7/2011, 11/29/2011	Model: 909M1QT (LF)	Vertical Down/Vertical
Orientation: Horizontal -	Model: 909 (LF) (SR) &		(PC, HW) & (LF)	Up/Horizontal w/ Watts
Vertical Down	(LF) 909		909M1QT	FBV(E), KeyGuard SOV
w/Watts FBV(E), Kennedy Ken Seal II OSY,	Size: 3 inch Vertical		Size: 1 1/4 inch Vertical Down/Vertical	Issued: 3/29/1991 Amended: 11/7/2006,
KeyGuard SOV	Down/Horizontal w/		up/Horizontal w/ Watts	2/21/2008, 10/29/2008,
Issued: 2/5/1987	Clow R/W F6102NRS &		FBV(E), KeyGuard SOV	11/29/2011, 8/13/2012
Amended: 2/21/2006,	6136OSY, Waterous 500		Issued: 3/29/1991	
4/10/2006, 5/19/2008	NRS & OSY, Kennedy Ken		Amended: 11/7/2006,	
	Seal II NRS & OSY, Watts		2/21/2008, 10/29/2008,	
	405, 408, 409 Issued: 3/29/1991		11/29/2011	
	Amended: 11/7/2006,			
	2/21/2008, 10/29/2008,			
	3/7/2011, 11/29/2011			
ASSE Seal Authorizations -	January 22 2010			Page 30
AJJE JEALAULIULIZAUULIS -	January 23, 2013			rake JU

Revision: 2011 Revision: 2011 Revision: 2011 Watts 409 OSY Series, Revision: 2011 Model: 919-QT (LF-919-Model: 957 (LF) Model: 909QT (LF, U, Model: 919-AQT (LF-**Kennedy Series** PC, HW) & (LF) 909QT -QT) w/KeyGuard SOV, 7092ABF-OSY 919-AQT) w/ KeyGuard "Standard' Watts FBV(E) & U919-QT LISTED TO 1013-2011 SOV, Watts FBV(E) Size: 10' Issued: 7/15/2002 Kennedy Ken Seal II OSY Size: 3/4 inch (LF-U919-QT) w/ Watts Amended: 2/1/2003 Orientation: Horizontal & U919-AQT (LF-U919-Vertical Down/Vertical FBV(E) w/Kennedy KS-II, Watts 4/17/2014, 7/25/2017 Size: 3/4 inch 405-RW NRS Series, Up/Horizontal w/ Watts AQT) w/ Watts FBV(E) FBV(E), KeyGuard SOV Issued: 3/29/1991 Kennedy Ken Seal II OSY Orientation: Horizontal -Watts 409 OSY Series, Revision: 2011 Size: 1-1/2 inch Vertical Down Kennedy Series 7092ABF-OSY Model: 957 (LF) Amended: 11/7/2006, 2/21/2008, 10/29/2008, Issued: 9/11/2003 ("Standard" N, Z) QT Vertical Up/down Issued: 7/15/2002 Amended: 2/1/2003, Issued: 9/11/2003 Amended: 12/11/2012 Size: 2 1/2 11/29/2011, 8/13/2012 Horizontal w/ Watts LF-Revision: 2011 4/17/2014, 7/25/2017 Revision: 2011 FBV Model: 919-ZQT (LF-919-ZQT) w/ KeyGuard SOV, Watts FBV(E) & U919-Model: 919-AQT (LF-919-AQT) w/ KeyGuard Issued: 10/28/2009 Revision: 2011 Model: 919 QT Revision: 2011 Amended: 4/17/2014 Model: 957 (LF) (LF919QT) W/Watts SOV, Watts FBV(E) Kennedy Ken Seal ÍÍ OSY FBV & FBV-E ZQT (LF-U919-ZQT) w/ "Standard' Revision: 2011 Size: 1/4' & U919-AQT (LF-U919-Watts FBV(E) Size: 2-1/2" Model: 957 (LF) AQT) w/ Watts FBV(E) Orientation: Horizontal ("Standard" N, Z) QT Size: 3/4 inch Orientation: Horizontal -Vertical Down Kennedy Ken Seal II OSY Vertical Up/down w/Kennedy KS-II, Watts Size: 3" w/ Watts FBV & FBV-E 405-RW NRS Series, Size: 2 inch Issued: 9/11/2003 Horizontal w/ Watts LF-Issued: 5/8/2007 Vertical Up/down Watts 409 OSY Series, FBV Issued: 9/11/2003 **Kennedy Series** Issued: 10/28/2009 Revision: 2011 7092ABF-OSY Model: 919-ZQT (LF-919-Revision: 2011 Amended: 4/17/2014 Model: 919 QT ZQT) w/ KeyGuard SOV, Revision: 2011 Issued: 7/15/2002 (LF919QT) W / Keyguard Model: 919-QT (LF-919-Amended: 2/1/2003, Watts FBV(É)& U919-Revision: 2011 ZQT (LF-U919-ZQT) w/ SOV, Watts FBV & FBV-E QT) w/ KeyGuard SOV & 4/17/2014, 7/25/2017 Model: 957 (LF) ("Standard" N, Z) QT Size: 1/2 Watts FBV(E) & U919-QT Watts FBV(E) Size: 4 (LF-U919-QT) w/ Watts Orientation: Horizontal -Size: 1 inch Revision: 2011 Vertical Up/Down Vertical Down FBV(E) Model: 957 (LF) Horizontal w/ Watts LFw/ Keyguard SOV, Watts FBV & FBV-E "Standard" Size: 1 inch Issued: 9/11/2003 FBV Orientation: Horizontal -Issued: 10/28/2009 Size: 3' Issued: 5/8/2007 Vertical Down Amended: 4/17/2014 Revision: 2011 **Orientation: Horizontal** Model: 919-ZQT (LF-919-Issued: 9/11/2003 w/Kennedy KS-II, Watts ZQT) w/ KeyGuard SOV, Watts FBV(E)& U919-Revision: 2011 Amended: 12/11/2012 405-RW NRS Series, Revision: 2011 Watts 409 OSY Series, Model: 919 QT Model: 957 (LF) RP BFG (LF919QT) W / Keyguard ZQT (LF-U919-ZQT) w/ Revision: 2011 Kennedy Series Size: 4' SOV, Watts FBV & FBV-E Size: 3/8" Model: 919-QT (LF-919-Watts FBV(E) 7092ABF-OSY **Orientation: Horizontal** QT) w/ KeyGuard SOV & w/Victaulic 702 Butterfly Size: 1-1/4 inch Issued: 7/15/2002 Watts FBV(E) & U919-QT Amended: 2/1/2003, 4/17/2014, 7/25/2017 Orientation: Horizontal -Vertical Up/down Series (LF-U919-QT) w/ Watts Issued: 9/11/2003 Vertical Down Issued: 2/18/2008 w/ Keyguard SOV, Watts ĖΒV(Ε) Amended: 4/17/2014 FÉV & FBV-E Size: 1-1/4" Revision: 2011 Revision: 2011 Model: 919-ZQT (LF-919-Issued: 5/8/2007 Orientation: Horizontal -Model: 957 (LF) Revision: 2011 ZQT) w/ KeyGuard SOV, Watts FBV(E), Kennedy Ken Seal II OSY & U919-Model: 957 (LF) RP BFG Size: 6" Vertical Down "Standard" Issued: 9/11/2003 Size: 4" Revision: 2011 Model: 919-AQT (LF-Amended: 12/11/2012 **Orientation: Horizontal** Orientation: Horizontal 919-AQT) w/ KeyGuard SOV, Watts FBV(E) & ZQT (LF-U919-ZQT) w/ Watts FBV(E), Kennedy w/Kennedy KS-II, Watts 405-RW NRS Series, w/ Victaulic 702 Butterfly Series Issued: 2/18/2008 Revision: 2011 U919-AQT (LF-U919-Model: 919-QT (LF-919-Watts 409 OSY Series, Ken Seal II OSY AQT) w/ Watts FBV(E) Kennedy Series 7092ABF-OSY Amended: 4/17/2014 QT) w/ KeyGuard SOV, Size: 2 inch Watts FBV(E), Kennedy Ken Seal II OSY & U919-Size: 1 inch Vertical Up/down Vertical Up/down Issued: 9/11/2003 Issued: 7/15/2002 Revision: 2011 Model: 957N (LF) & 957Z Issued: 9/11/2003 QT (LF-U919-QT) w/ Amended: 2/1/2003 Watts FBV(E), Kennedy Ken Seal II OSY 4/17/2014, 7/25/2017 Revision: 2011 Size: 10" Model: 919-ZQT (LF-919-Revision: 2011 Orientation: Horizontal Model: 919-AQT (LF-Size: 1-1/2 inch ZQT) w/ KeyGuard SOV, Revision: 2011 w/Kennedy KS-II, Watts 919-AQT) w/ KeyGuard SOV, Watts FBV(E) & Watts FBV(E), Kennedy Ken Seal II OSY& U919-Model: 957 (LF) "Standard" Orientation: Horizontal -405-RW NRS Series, Vertical Down Watts 409 OSY Series, U919-AQT (LF-U919-Issued: 9/11/2003 ZQT (LF-U919-ZQT) w/ Size: 6' **Kennedy Series** Amended: 12/11/2012 Watts FBV(E), Kennedy AQT) w/ Watts FBV(E) **Orientation: Horizontal** 7092ABF-OSY Size: 1-1/4 inch Ken Seal II OS w/Kennedy KS-II, Watts Issued: 7/15/2002 Vertical Up/down 405-RW NRS Series, Size: 1-1/2 inch Amended: 2/1/2003 Revision: 2011 Model: 919-QT (LF-919-Issued: 9/11/2003 Vertical Up/Down Watts 409 OSY Series, 4/17/2014, 7/25/2017 Issued: 9/11/2003 Kennedy Series 7092ABF-OSY QT) w/ KeyGuard SOV Watts FBV(E), Kennedy Ken Seal II OSY& U919-Revision: 2011 Model: 919-AQT (LF919-Issued: 7/15/2002 Amended: 2/1/2003, 4/17/2014, 7/25/2017 QT (LF-U919-QT) w AQT) w/ KeyGuard SOV, Watts FBV(E), Kennedy Ken Seal II OSY Watts FBV(É) & U919-AQT (LF-U919-AQT) w/ Watts FBV(E) Revision: 2011 Size: 2 inch Model: 957 (LF) Size: 3/4 inch Orientation: Horizontal -"Standard" Vertical Up/down Vertical Down Size: 8" Issued: 9/11/2003 Issued: 9/11/2003 Amended: 12/11/2012 **Orientation: Horizontal** w/Kennedy KS-II, Watts 405-RW NRS Series,

Revision: 2011 Revision: 2011 Watts 409 OSY Series, Revision: 2011 Revision: 2011 Model: 967N (LF) & 967Z Size: 8" Model: 967 (LF) Model: 957N (LF) & 957Z **Kennedy Series** Model: 994: (LF)994(SR) Size: 2-1/2' "Standard" 7092ABF-OSY Size: 8 inch Issued: 7/15/2002 Amended: 2/1/2003, **Orientation: Horizontal** Size: 10' Orientation: Horizontal **Orientation: Horizontal** w/ Clow R/W F6102NRS w/Kennedy KS-II, Watts Orientation: Horizontal w/Kennedy KS-II, Watts & 6136OSY, Waterous 405-RW NRS Series, w/Kennedy KS-II, Watts 4/17/2014, 7/25/2017 405-RW NRS Series, 500NRS & OSY, Kennedy Ken Seal II NRS & OSY, Watts 409 OSY Series, 405-RW NRS Series Watts 409 OSY Series, Kennedy Series 7092ABF-OSY Watts 409 OSY Series, Revision: 2011 Kennedy Series Model: 967N (LF) & 967Z Size: 10" Watts 405, 408, 409 7092ABF-OSY **Kennedy Series** 7092ABF-OSY Issued: 7/15/2002 Issued: 7/15/2002 Issued: 8/1/1997 Issued: 7/15/2002 Amended: 2/1/2003, Amended: 2/1/2003, 4/17/2014, 7/25/2017 Amended: 2/1/2003 **Orientation: Horizontal** 4/17/2014, 7/25/2017 w/Kennedy KS-II, Watts Revision: 2011 4/17/2014, 7/25/2017 405-RW NRS Series, Model: 994F: Watts 409 OSY Series, (LF)994F(SR) Revision: 2011 Revision: 2011 Model: 957N (LF) & 957Z Kennedy Series 7092ABF-OSY Model: 994: (LF)994(SR) Revision: 2011 Size: 10 inch Model: 967 (LF) Size: 3" Size: 10 inch **Orientation: Horizontal** w/ Clow R/W F6102NRS & 6136OSY, Waterous **Orientation: Horizontal** 'Standard" Issued: 7/15/2002 **Orientation: Horizontal** Size: 2-1/2" w/Kennedy KS-II, Watts Amended: 2/1/2003 Issued: 8/1/1997 500NRS & ÓSY, Kennedy 4/17/2014, 7/25/2017 405-RW NRS Series, **Orientation: Horizontal** w/Kennedy KS-II, Watts 405-RW NRS Series, Watts 409 OSY Series, Revision: 2011 Ken Seal II NRS & OSY, Watts 405, 408, 409 Issued: 8/1/1997 Kennedy Series 7092ABF-OSY Model: 994: (LF)994(SR) Revision: 2011 Watts 409 OSY Series, Model: 967N (LF) & 967Z Size: 2-1/2 inch Issued: 7/15/2002 **Kennedy Series** Size: 2-1/2' **Orientation: Horizontal** Amended: 2/1/2003, 4/17/2014, 7/25/2017 w/ Clow R/W F6102NRS & 6136OSY, Waterous 7092ABF-OSY Orientation: Horizontal Revision: 2011 Issued: 7/15/2002 w/Kennedy KS-II, Watts Model: 994F: 500NRS & ÓSY, Kennedy Amended: 2/1/2003, 405-RW NRS Series. (LF)994F(SR) 4/17/2014, 7/25/2017 Ken Seal II NRS & OSY, Size: 4 inch Revision: 2011 Watts 409 OSY Series, Orientation: Horizontal w/ Clow R/W F6102NRS & 613602Y, Waterous Model: 957N (LF) & 957Z Size: 4" Kennedy Series 7092ABF-OSY Watts 405, 408, 409 Issued: 8/1/1997 Revision: 2011 **Orientation: Horizontal** Model: 967 (LF) Issued: 7/15/2002 Amended: 8/31/2010 500NRS & OSY, Kennedy Ken Seal II NRS & OSY, w/Kennedy KS-II, Watts 405-RW NRS Series, Amended: 2/1/2003, 4/17/2014, 7/25/2017 "Standard" Size: 3' Revision: 2011 Watts 405, 408, 409 Issued: 8/1/1997 Watts 409 OSY Series, **Orientation: Horizontal** Model: 994: (LF)994(SR) Kennedy Series 7092ABF-OSY w/Kennedy KS-II , Watts Revision: 2011 Size: 3 inch Model: 967N (LF) & 967Z Size: 3" 405-RW NRS Series, **Orientation: Horizontal** Watts 409 OSY Series, Issued: 7/15/2002 w/ Clow R/W F6102NRS Revision: 2011 Amended: 2/1/2003, 4/17/2014, 7/25/2017 & 6136OSY, Waterous Kennedy Series Orientation: Horizontal Model: 994F: w/Kennedy KS-II, Watts 405-RW NRS Series, 500NRS & OSY, Kennedy Ken Seal II NRS & OSY, 7092ABF-OSY (LF)994F(SR) Issued: 7/15/2002 Size: 6 inch Amended: 2/1/2003, 4/17/2014, 7/25/2017 Revision: 2011 Watts 409 OSY Series, Watts 405, 408, 409 **Orientation: Horizontal** Model: 957N (LF) & 957Z Size: 6" Kennedy Series 7092ABF-OSY w/ Clow R/W F6102NRS & 6136OSY, Waterous 500NRS & OSY, Kennedy Ken Seal II NRS & OSY, Issued: 8/1/1997 Amended: 8/31/2010 Issued: 7/15/2002 **Orientation: Horizontal** Revision: 2011 Amended: 2/1/2003 w/Kennedy KS-II, Watts Model: 967 (LF) Revision: 2011 Model: 994: (LF)994(SR) Size: 3/4 inch Watts 405, 408, 409 Issued: 8/1/1997 405-RW NRS Series "Standard" 4/17/2014, 7/25/2017 Watts 409 OSY Series, Size: 4' Kennedy Series 7092ABF-OSY **Orientation: Horizontal** Revision: 2011 **Orientation: Horizontal** Model: 967N (LF) & 967Z Size: 4" w/Kennedy KS-II, Watts 405-RW NRS Series, w/ Watts FBV(E) Revision: 2011 Issued: 7/15/2002 Issued: 8/1/1997 Model: 994F: (LF)994F(SR) Amended: 2/1/2003, Watts 409 OSY Series, **Orientation: Horizontal** Kennedy Series 7092ABF-OSY 4/17/2014, 7/25/2017 w/Kennedy KS-II, Watts Revision: 2011 Size: 8 inch 405-RW NRS Series, Model: 994: (LF)994(SR) Orientation: Horizontal w/ Clow R/W F6102NRS & 6136OSY, Waterous Issued: 7/15/2002 Watts 409 OSY Series, Revision: 2011 Size: 4 inch Kennedy Series 7092ABF-OSY Model: 957N (LF) & 957Z Amended: 2/1/2003, Orientation: Horizontal 500NRS & OSY, Kennedy Ken Seal II NRS & OSY, 4/17/2014, 7/25/2017 w/ Clow R/W F6102NRS Size: 8" & 6136OSY, Waterous Issued: 7/15/2002 **Orientation: Horizontal** Watts 405, 408, 409 Issued: 8/1/1997 w/Kennedy KS-II, Watts Revision: 2011 Amended: 2/1/2003 500NRS & OSY, Kennedy 405-RW NRS Series, Model: 967 (LF) "Standard" 4/17/2014, 7/25/2017 Ken Seal II NRS & OSY, Watts 405, 408, 409 Issued: 8/1/1997 Watts 409 OSY Series, **Kennedy Series** Size: 6' Revision: 2011 Revision: 2011 7092ABF-OSY **Orientation: Horizontal** Model: 967N (LF) & 967Z Amended: 8/31/2010 Model: SS 009 QT Issued: 7/15/2002 Amended: 2/1/2003, w/Kennedy KS-II, Watts 405-RW NRS Series, Size: 1 inch Size: 6 Orientation: Horizontal Orientation: Horizontal -Revision: 2011 Model: 994: (LF)994(SR) 4/17/2014, 7/25/2017 Watts 409 OSY Series, w/Kennedy KS-II, Watts Vertical Down Kennedy Series 7092ABF-OSY 405-RW NRS Series, w/ Watts FBV(E) Issued: 2/5/1987 Size: 6 inch Watts 409 OSY Series, **Orientation: Horizontal** Kennedy Series 7092ABF-OSY Issued: 7/15/2002 w/ Clow R/W F6102NRS Amended: 2/21/2006, & 6136OSY, Waterous Amended: 2/1/2003 5/19/2008 4/17/2014, 7/25/2017 Issued: 7/15/2002 500NRS & ÓSY, Kennedy Amended: 2/1/2003, Ken Seal II NRS & OSY, Watts 405, 408, 409 Revision: 2011 4/17/2014, 7/25/2017 Model: 967 (LF) Issued: 8/1/1997 "Standard" Amended: 8/31/2010 Size: 8" **Orientation: Horizontal** w/Kennedy KS-II, Watts 405-RW NRS Series,

Revision: 2011	Revision: 2011	Revision: 2011	Revision: 2011	Revision: 2011
Model: SS009M3QT	Model: U009M1A QT	Model: U009M2QT Size: 2 inch	Model: U919-AQT-R10	Model: 375AST & 375ASTR
Size: 1/2 inch Orientation: Horizontal -	(LF, PC) Size: 1 inch	Orientation: Horizontal -	(LF-U919-AQT-R10) Size: 1/2 inch	Size: 6"
Vertical Down	Orientation: Horizontal -	Vertical Down	Vertical Up/down w/	Orientation: Horizontal
w/ Watts FBV(E)	Vertical Down	w/ Watts FBV(E),	Watts FBV(E)	w/ Victaulic 702, Wilkins
Issued: 2/5/1987	w/ Watts FBV(E)	Kennedy Ken Seal II OSY	Issued: 9/11/2003	Model 48, Wilkins Model
Amended: 2/21/2006, 5/19/2008	Issued: 2/5/1987	Issued: 2/5/1987	Revision: 2011	49 and Clow 2638
5/19/2008	Amended: 2/21/2006, 5/19/2008	Amended: 2/21/2006, 5/19/2008	Model: U919-AQT-R10	Issued: 2/3/2011 Amended: 8/13/2012,
Revision: 2011	3/13/2000	3/13/2000	(LF-U919-AQT-R10)	8/20/2012
Model: SS009M3QT	Revision: 2011	Revision: 2011	Size: 3/4 inch	
Size: 1/4 inch	Model: U009M1QT (LF)	Model: U009M2QT (LF,	Vertical Up/down w/	Revision: 2011
Orientation: Horizontal - Vertical Down	(PC) Size: 1 1/2 inch	PC) Size: 1 inch	Watts FBV(E) Issued: 9/11/2003	Model: 375AST & 375ASTR
w/ Watts FBV(E)	Orientation: Horizontal -	Orientation: Vertical	135020. 3711/2003	Size: 8"
Issued: 2/5/1987	Vertical Down	Down - Vertical Up	Wilkins / A Division of	Orientation: Horizontal
Amended: 2/21/2006,	w/ Watts FBV(E),	w/Watts FBV(E)	Zurn	w/ Wilkins 48 gate
5/19/2008	Kennedy Ken Seal II OSY	Issued: 2/5/1987	Revision: 2011	valves, Wilkins 49
Revision: 2011	Issued: 2/5/1987 Amended: 2/21/2006,	Revision: 2011	Model: 375AST & 375ASTR	butterfly valves, Victaulic 702, Clow 2638/39/40
Model: SS009M3QT	5/19/2008	Model:	Size: 10"	Issued: 1/16/2012
Size: 3/4 inch		U009M2QT(LF)(PC)	Orientation: Horizontal	Amended: 8/13/2012,
Orientation: Horizontal -	Revision: 2011	Size: 1-1/2 inch	w/ Wilkins 48 gate	8/20/2012
Vertical Down w/ Watts FBV(E)	Model: U009M1QT (LF) (PC)	Orientation: Horizontal - Vertical Down	valves, Wilkins 49 butterfly valves, Victaulic	Revision: 2011
Issued: 2/5/1987	Size: 1 1/4 inch	w/Watts FBV & (FBV-E)-	702, Clow 2638/39/40	Model: 475ST / 475STR
Amended: 2/21/2006,	Orientation: Horizontal -	QT	Issued: 1/16/2012	Size: 10"
5/19/2008	Vertical Down	Issued: 2/5/1987	Amended: 8/13/2012,	Orientation: Vertical Up
Devision: 2011	w/ Watts FBV(E)	Devision: 2011	8/20/2012	- Vertical Down
Revision: 2011 Model: SS009M3QT	Issued: 2/5/1987 Amended: 2/21/2006,	Revision: 2011 Model: U009QT(LF)(PC)	Revision: 2011	RP, VUVU and VUVD Issued: 2/3/2011
Size: 3/8 inch	5/19/2008	Size: 1 inch	Model: 375AST &	135000. 2/ 5/ 2011
Orientation: Horizontal -		Orientation: Horizontal -	375ASTR	Revision: 2011
Vertical Down	Revision: 2011	Vertical Down	Size: 2 1/2"	Model: 475ST / 475STR
w/ Watts FBV(E) Issued: 2/5/1987	Model: U009M1QT (LF) (PC)	w/Watts FBV(E) Issued: 2/5/1987	Orientation: Horizontal w/ Victaulic 702, Wilkins	Size: 4" Orientation: Vertical Up
Amended: 2/21/2006,	Size: 2 inch	Amended: 2/21/2006,	Model 48, Wilkins Model	- Vertical Down
5/19/2008	Orientation: Horizontal -	5/19/2008	49 and Clow 2638	RP, VUVU and VUVD
	Vertical Down		Issued: 2/3/2011	Issued: 2/3/2011
Revision: 2011	w/ Watts FBV(E),	Revision: 2011	Amended: 8/13/2012,	Devision 2011
Model: U009 M2QT (LF, PC)	Kennedy Ken Seal II OSY Issued: 2/5/1987	Model: U009QT(LF)(PC) Size: 1-1/2 inch	8/20/2012	Revision: 2011 Model: 475ST / 475STR
Size: 3/4 inch	Amended: 2/21/2006,	Orientation: Horizontal -	Revision: 2011	Size: 6"
Orientation: Horizontal -	5/19/2008	Vertical Down	Model: 375AST &	Orientation: Vertical Up
Vertical Down	5	w/Watts FBV(E),	375ASTR	- Vertical Down
w/ Watts FBV(E) Issued: 2/5/1987	Revision: 2011 Model: U009M2AQT (LF)	Kennedy Ken Seal II OSY Issued: 2/5/1987	Size: 3" Orientation: Horizontal	RP, VUVU and VUVD Issued: 2/3/2011
Amended: 2/21/2006,	(PC)	Amended: 2/21/2006,	w/ Victaulic 702, Wilkins	15sueu. 2/3/2011
5/19/2008	Size: 2 inch	5/19/2008	Model 48, Wilkins Model	Revision: 2011
	Orientation: Horizontal -		49 and Clow 2638	Model: 475ST / 475STR
Revision: 2011 Model: U009A QT (LF,	Vertical Down w/ Watts FBV(E),	Revision: 2011 Model: U009QT(LF)(PC)	Issued: 2/3/2011 Amended: 8/13/2012,	Size: 8" Orientation: Vertical Up
PC)	Kenendy Ken Seal II OSY	Size: 1-1/4 inch	8/20/2012	- Vertical Down
Size: 1 inch	Issued: 2/5/1987	Orientation: Horizontal -	0, 10, 1011	RP, VUVU and VUVD
Orientation: Horizontal -	Amended: 2/21/2006,	Vertical Down	Revision: 2011	Issued: 2/3/2011
Vertical Down w/ Watts FBV(E)	5/19/2008	w/Watts FBV(E)	Model: 375AST & 375ASTR	Revision: 2005
lssued: 2/5/1987	Revision: 2011	Issued: 2/5/1987 Amended: 2/21/2006,	Size: 4"	Model: 375
Amended: 2/21/2006,	Model: U009M2AQT (LF,	5/19/2008	Orientation: Horizontal	Size: 1/2 inch
5/19/2008	PC)		w/ Victaulic 702, Wilkins	Horizontal w/ Wilkins
Povision, 2011	Size: 1 inch	Revision: 2011	Model 48, Wilkins Model 49 and Clow 2638	371-48AXL & 371-48BXL
Revision: 2011 Model: U009A QT (LF,	Orientation: Vertical Down - Vertical Up	Model: U009QT(LF)(PC) Size: 3/4 inch	Issued: 2/3/2011	Issued: 1/5/2000 Amended: 1/22/2015
PC)	w/Watts FBV(E)	Orientation: Horizontal -	Amended: 8/13/2012,	Amenaca. 1/22/2015
Size: 3/4 inch	Issued: 2/5/1987	Vertical Down	8/20/2012	Revision: 2005
Orientation: Horizontal -		w/Watts FBV(E)		Model: 375
Vertical Down w/ Watts FBV(E)		Issued: 2/5/1987 Amended: 2/21/2006,		Size: 10 inch Horizontal w/ Wilkins
lssued: 2/5/1987		5/19/2008		Model 48 Gate Valve,
Amended: 2/21/2006,		-, -0, -000		Clow R/W F6136 Gate
5/19/2008				Valve, Wilkins 49
				Butterfly Valve
				Issued: 1/5/2000 Amended: 4/29/2008,
				11/4/2008
ASSE Seal Authorizations -	- January 23, 2019			Page 33

Revision: 2005 Model: 375 Size: 2-1/2 inch Orientation: Horizontal w/ Wilkins Model 48 Gate Valve, Clow R/W F6136 Gate Valve

Issued: 1/5/2000 Amended: 4/29/2008, 11/4/2008

Revision: 2005 Model: 375 Size: 3 inch Orientation: Horizontal w/ Wilkins Model 48 Gate Valve, Clow R/W F6136 Gate Valve Issued: 1/5/2000 Amended: 4/29/2008, 11/4/2008

Revision: 2005 Model: 375 Size: 4 inch Horizontal w/ Wilkins Model 48 Gate Valve, Clow R/W F6136 Gate Valve, Wilkins 49 Butterfly Valve Issued: 1/5/2000 Amended: 4/29/2008, 11/4/2008, 1/25/2010

Revision: 2005 Model: 375 Size: 6 inch Horizontal w/ Wilkins Model 48 Gate Valve, Clow R/W F6136 Gate Valve, Wilkins 49 Butterfly Valve Issued: 1/5/2000 Amended: 4/29/2008, 11/4/2008, 1/25/2010

Revision: 2005 Model: 375 Size: 8 inch Horizontal w/ Wilkins Model 48 Gate Valve, Clow R/W F6136 Gate Valve, Wilkins 49 Butterfly Valve Issued: 1/5/2000 Amended: 4/29/2008, 11/4/2008, 1/25/2010

Revision: 2005 Model: 375 & 375XL Size: 1 1/2 inch Orientation: Horizontal (shut-offs are an integral part of the device) Issued: 1/5/2000 Amended: 4/29/2008, 11/4/2008, 8/20/2012, 1/22/2015 Revision: 2005 Model: 375 & 375XL Size: 1 1/4 inch Orientation: Horizontal (shut-offs are an integral part of the device) Issued: 1/5/2000 Amended: 4/29/2008, 11/4/2008, 8/20/2012, 1/22/2015

Revision: 2005 Model: 375 & 375XL Size: 1 inch Orientation: Horizontal (shut-offs are an integral part of the device) Issued: 1/5/2000 Amended: 4/29/2008, 11/4/2008, 8/20/2012, 1/22/2015

Revision: 2005 Model: 375 & 375XL Size: 2 inch Orientation: Horizontal (shut-offs are an integral part of the device) Issued: 1/5/2000 Amended: 4/29/2008, 11/4/2008, 8/20/2012, 1/22/2015

Revision: 2005 Model: 375 & 375XL Size: 3/4 inch Orientation: Horizontal (shut-offs are an integral part of device) Issued: 1/5/2000 Amended: 4/29/2008, 11/4/2008, 8/20/2012

Revision: 2005 Model: 375A & 375AR Size: 10 inch Orientation: Horizontal w/ Wilkins Model 48 Gate Valve, Clow R/W F6136 Gate Valve, Victaulic 702 Butterfly Valves, Wilkins 49 Butterfly Valve

Issued: 1/5/2000 Amended: 4/29/2008, 11/4/2008, 1/25/2010, 8/2/2010, 8/20/2012

Revision: 2005 Model: 375A & 375AR Size: 2 1/2 inch Orientation: Horizontal w/ Wilkins Model 48 Gate Valve, Clow R/W F6136 Gate Valve, Victaulic 702 Butterfly Valves, Wilkins 49 Butterfly Valve Issued: 1/5/2000 Amended: 4/29/2008, 11/4/2008, 1/25/2010, 8/20/2012

Revision: 2005 Model: 375A & 375AR Size: 3 inch **Orientation: Horizontal** w/ Wilkins Model 48 Gate Valve, Clow R/W F6136 Gate Valve, Victaulic 702 Butterfly Valves, Wilkins 49 Butterfly Valve Issued: 1/5/2000 Amended: 4/29/2008, 11/4/2008, 1/25/2010, 8/20/2012 Revision: 2005 Model: 375A & 375AR Size: 4 inch **Orientation: Horizontal** w/ Wilkins Model 48 Gate Valve, Clow R/W F6136 Gate Valve, Victaulic 702 Butterfly Valves, Wilkins 49 **Butterfly Valve** Issued: 1/5/2000 Amended: 4/29/2008, 11/4/2008, 1/25/2010, 8/20/2012 Revision: 2005 Model: 375A & 375AR Size: 6 inch **Orientation: Horizontal** 375A w/ Wilkins Model 48 Gate Valve, Clow R/W F6136 Gate Valve, Victaulic 702 Butterfly Valves 375Ar w/ Wilkins Model 48 Gate Valve, Clow R/W F6136 Gate Valve, Victaulic 702 Butterfly Valves, Wilkins 49 Butterfly Valve Issued: 1/5/2000 Amended: 4/29/2008, 11/4/2008, 1/25/2010, 8/20/2012 Revision: 2005 Model: 375A & 375AR Size: 8 inch Orientation: Horizontal w/ Wilkins Model 48 Gate Valve, Clow R/W F6136 Gate Valve,

F6136 Gate Valve, Victaulic 702 Butterfly Valves, Wilkins 49 Butterfly Valve Issued: 1/5/2000 Amended: 4/29/2008, 11/4/2008, 1/25/2010, 8/20/2012

Revision: 2005 Model: 375MS Size: 4 inch Horizontal w/ Wilkins Model 48 Gate Valve, Clow R/W F6136 Gate Valve, Wilkins 49 Butterfly Valve Issued: 1/5/2000 Amended: 11/4/2008, 1/25/2010 Model 48 Gate Valve, Clow R/W F6136 Gate Valve, Wilkins 49 **Butterfly Valve** Issued: 1/5/2000 Amended: 4/29/2008, 11/4/2008, 1/25/2010 Revision: 2005 Model: 375MS Size: 8 inch Horizontal w/ Wilkins Model 48 Gate Valve, Clow R/W F6136 Gate Valve, Wilkins 49 **Butterfly Valve** Issued: 1/5/2000 Amended: 4/29/2008, 11/4/2008, 1/25/2010 Revision: 2005 Model: 375MS & 375AMS Size: 2-1/2 inch Orientation: Horizontal 375MS w/ Wilkins Model 48 Gate Valve, Clow R/W F6136 Gate Valve 375AMS w/ Wilkins Model 48 Gate Valve, Clow R/W 2638/39/40 Gate Valve, Victaulic 702 **Butterfly Valves, Wilkins** 49 Butterfly Valve Issued: 1/5/2000 Amended: 4/29/2008, 11/4/2008, 8/20/2012 Revision: 2005 Model: 375MS & 375AMS Size: 3 inch **Orientation: Horizontal** 375MS w/ Wilkins Model 48 Gate Valve, Clow R/W F6136 Gate Valve 375AMS w/ Wilkins Model 48 Gate Valve, Clow R/W 2638/39/40 Gate Valve, Victaulic 702 Butterfly Valves, Wilkins 49 Butterfly Valve Issued: 1/5/2000 Amended: 4/29/2008, 11/4/2008, 8/20/2012

Revision: 2005

Model: 375MS

Horizontal w/ Wilkins

Size: 6 inch

Revision: 2005 Model: 375ST Size: 1" Horizontal w/ Wilkins 373-48ASS & 373-48BSS Issued: 1/5/2000 Amended: 2/17/2009, 1/23/2015 Revision: 2005 Model: 375ST Size: 1/2" Horizontal w/ Wilkins 371-48ASS & 371-48BSS Issued: 1/5/2000 Amended: 2/17/2009, 1/23/2015

Revision: 2005 Model: 375ST Size: 3/4" Horizontal w/ Wilkins 372-48ASS & 372-48BSS Issued: 1/5/2000 Amended: 2/17/2009, 1/23/2015

Revision: 2005 Model: 375XL Size: 1/2" Horizontal w/ Wilkins 371-48AXL & 371-48BXL Issued: 1/5/2000 Amended: 4/29/2008, 11/4/2008, 1/23/2015

Revision: 2005 Model: 375XL Size: 3/4 inch Horizontal (shut-offs are an integral part of the device) Issued: 1/5/2000 Amended: 4/29/2008, 11/4/2008, 1/23/2015

Revision: 2005 Model: 475 Size: 10" Vertical Up-Vertical Down w/ Wilkins Model 48 Gate Valve, Victaulic 702 Butterfly Valves or Clow R/W model 2638/39/40 Gate Valve, Wilkins 49 Butterfly Valve

Issued: 8/28/2001 Amended: 10/23/2007, 11/4/2008, 1/25/2010

Revision: 2005 Model: 475 & 475MS Size: 2-1/2" Orientation: Vertical Up - Vertical Down w/ Wilkins Model 48 Gate Valve, Victaulic 702 Butterfly Valves or Clow R/W model 2368/39/40 Gate Valve

Issued: 8/28/2001 Amended: 10/23/2007, 11/4/2008, 8/20/2012

Revision: 2005 Model: 475 & 475MS Size: 3" Orientation: Vertical Up - Vertical Down w/ Wilkins Model 48 Gate Valve, Victaulic 702 Butterfly Valves or Clow Page 34

R/W model 2638/39/40 Gate Valve Issued: 8/28/2001 Amended: 10/23/2007, 11/4/2008, 8/20/2012 Revision: 2005 Model: 475 & 475MS Size: 4" Orientation: Vertical Up - Vertical Down w/ Wilkins Model 48 Gate Valve, Victaulic 702 Butterfly Valves or Clow R/W model 2638/39/40 Gate Valve, Wilkins 49 Butterfly Valve Issued: 8/28/2001 Amended: 10/23/2007, 11/4/2008, 1/25/2010, 8/20/2012 Revision: 2005 Model: 475 & 475MS Size: 6" Orientation: Vertical Up - Vertical Down w/ Wilkins Model 48 Gate Valve, Victaulic 702 Butterfly Valves or Clow R/W model 2638/39/40 Gate Valve, Victaulic 702 Butterfly Valves or Clow R/W model 2638/39/40 Gate Valve, Victaulic 702 Butterfly Valve Issued: 8/28/2001 Amended: 10/23/2007, 11/4/2008, 1/25/2010, 8/20/2012 Revision: 2005 Model: 475 & 475MS Size: 8" Orientation: Vertical Up - Vertical Down w/ Wilkins Model 48 Gate Valve, Victaulic 702 Butterfly Valve Issued: 8/28/2001 Amended: 10/23/2007, 11/4/2008, 1/25/2010, 8/20/2012 Revision: 2005 Model: 475V Size: 10" Vertical Up/Vertical Up w/ Wilkins Model 48 Gate Valve, Victaulic 702 Butterfly Valves or Clow R/W model 2638/39/40 Gate Valve, Wilkins 49 Butterfly Valve Issued: 8/28/2001 Amended: 10/23/2007, 11/4/2008, 1/25/2010, 8/20/2012 Revision: 2005 Model: 475V Size: 10" Vertical Up/Vertical Up w/ Wilkins Model 48 Gate Valve, Victaulic 702 Butterfly Valves or Clow R/W model 2368/39/40 Gate Valve, Wilkins 49 Butterfly Valve Issued: 8/28/2001 Amended: 10/23/2007, 11/4/2008, 1/25/2010 Revision: 2005 Model: 475V Size: 10" Vertical Up/Vertical Up w/ Wilkins Model 48 Gate Valve, Victaulic 702 Butterfly Valves or Clow R/W model 2368/39/40 Gate Valve, Wilkins 49 Butterfly Valves Issued: 8/28/2001 Amended: 10/23/2007, 11/4/2008, 1/25/2010 Revision: 2005 Model: 475V & 475VMS Size: 2 1/2" Orientation: Horizontal Vertical Up/Vertical Up Wilkins Model 48 Gate Valve, Victaulic 702 Butterfly Valves or Clow R/W model 2368/39/40 Gate Valve, Victaulic 702 Butterfly Valves or Clow R/W model 2368/39/40 Gate Valve, Victaulic 702 Butterfly Valves or Clow	R/W model 2368/39/40 Gate Valve Issued: 8/28/2001 Amended: 10/23/2007, 11/4/2008, 8/20/2012 Revision: 2005 Model: 475V & 475VMS Size: 3" Vertical Up/Vertical Up w/ Wilkins Model 48 Gate Valve, Victaulic 702 Butterfly Valves or Clow R/W model 2368/39/40 Gate Valve Issued: 8/28/2001 Amended: 10/23/2007, 11/4/2008, 8/20/2012 Revision: 2005 Model: 475V & 475VMS Size: 4" Vertical Up/Vertical Up w/ Wilkins Model 48 Gate Valve, Victaulic 702 Butterfly Valves or Clow R/W model 2368/39/40 Gate Valve, Wilkins 49 Butterfly Valves or Clow R/W model 2368/39/40 Gate Valve, Wilkins 49 Butterfly Valve Issued: 8/28/2001 Amended: 10/23/2007, 11/4/2008, 1/25/2010, 8/20/2012 Revision: 2005 Model: 475V & 475VMS Size: 6" Vertical Up/Vertical Up w/ Wilkins Model 48 Gate Valve, Victaulic 702 Butterfly Valves or Clow R/W model 2368/39/40 Gate Valve, Wilkins 49 Butterfly Valve Issued: 8/28/2001 Amended: 10/23/2007, 11/4/2008, 1/25/2010, 8/20/2012 Revision: 2005 Model: 475V & 475VMS Size: 8" Vertical Up/Vertical Up w/ Wilkins Model 48 Gate Valve, Victaulic 702 Butterfly Valves or Clow R/W model 2368/39/40 Gate Valve, Wilkins 49 Butterfly Valve Issued: 8/28/2001 Amended: 10/23/2007, 11/4/2008, 1/25/2010, 8/20/2012 Revision: 2005 Model: 975XL & 975XL 2 Size: 1" Orientation: Horizontal 975XL w/ Wilkins 850 & 850TL Issued: 7/11/2018	Revision: 2005 Model: 975XL & 975XL2 Size: 1/2" Orientation: Horizontal 975XL w/ Wilkins 850 & 850T 975XL2 w/ Wilkins 850XL & 850TXL Issued: 1/3/1994 Amended: 10/23/2007, 10/23/2007, 11/4/2008, 8/20/2012 Revision: Horizontal 975XL w/ Wilkins 850 & 850T 975XL2 w/ Wilkins 850XL & 850TXL Issued: 1/3/1994 Amended: 10/23/2007, 10/23/2007, 11/4/2008, 8/20/2012 Revision: 2005 Model: 975XL & 975XL2 Size: 1-1/2" Orientation: Horizontal 975XL w/ Wilkins 850 & 850T 975XL2 w/ Wilkins 850 & 850T 975XL2 w/ Wilkins 850 & 850T 975XL2 w/ Wilkins 850XL & 850TXL Issued: 1/3/1994 Amended: 10/23/2007, 10/23/2007, 11/4/2008, 8/20/2012 Revision: 2005 Model: 975XL & 975XL2 Size: 1-1/4" Orientation: Horizontal 975XL w/ Wilkins 850 & 850T 975XL2 w/ Wilkins 850 & 8757 975XL2 w/ Wilkins	Revision: 2005 Model: 975XL & 975XL2 Size: 3/8" Orientation: Horizontal 975XL w/ Wilkins 850 & 850T 975XL2 w/ Wilkins 850XL & 850TXL Issued: 1/3/1994 Amended: 10/23/2007, 10/23/2007, 11/4/2008, 8/20/2012 Revision: 2005 Model: 975XL2BF & 975XL2BFSS Size: 1 1/2 inch Orientation: Horizontal W/ Wilkins Model 49BRXL (Milwaukee UPBBTSCW) & 49BRXLSS (Milwaukee UPBBTSCS02W) Issued: 1/3/1994 Amended: 6/19/2015 Revision: 2005 Model: 975XL2BF & 975XL2BFSS Size: 1 1/4 inch Orientation: Horizontal W/ Wilkins Model 49BRXL (Milwaukee UPBBTSCW) & 49BRXLSS (Milwaukee UPBBTSCW) & 49BRXLSS (MILSNA (MIL	Revision: 2005 Model: 975XLBF & 975XLBFSS Size: 2" Orientation: Horizontal w/ BBSC100 & BBSCS02 Issued: 4/15/2009 Amended: 10/23/2007, 10/23/2007, 11/4/2008, 8/20/2012 Revision: 2005 Model: 975XLBMS & 975XL2BMS w/ Wilkins 850 & 850T 975XL2BMS w/ Wilkins 850XL & 850TXL Issued: 1/3/1994 Amended: 10/23/2007, 10/23/2007, 11/4/2008, 8/20/2012 Revision: 2005 Model: 975XLBMS & 975XL2BMS w/ Wilkins 850 & 850T 975XL2BMS w/ Wilkins 850 & 850T 975XL2BMS w/ Wilkins 850 & 850T 975XL2BMS w/ Wilkins 850XL & 850TXL Issued: 1/3/1994 Amended: 10/23/2007, 10/23/2007, 11/4/2008, 8/20/2012 Revision: 2005 Model: 975XLBMS & 975XL2BMS w/ Wilkins 850XL & 850TXL Issued: 1/3/1994 Amended: 10/23/2007, 10/23/2007, 10/23/2007, 11/4/2008, 8/20/2012 Revision: 2005 Model: 975XLBMS & 975XL2BMS w/ Wilkins 850 & 850T 975XL2BMS w/ Wilkins 850XL & 850TXL Issued: 1/3/1994 Amended: 10/23/2007, 10/23/2007, 10/23/2007, 11/4/2008, 8/20/2012 Revision: 2005 Model: 975XLBMS & 975XL2BMS w/ Wilkins 850XL & 850TXL Issued: 1/3/1994 Amended: 10/23/2007, 10/23/2007, 10/23/2007, 11/4/2008, 8/20/2012 Revision: 2005 Model: 975XLBMS & 975XL2BMS w/ Wilkins 850XL & 850TXL Issued: 1/3/1994 Amended: 10/23/2007, 11/4/2008, 8/20/2012
Butterfly Valves or Clow ASSE Seal Authorizations	 - January 23, 2019	l	I	Page 35

Revision: 2005 Model: 975XLBMS & 975XL2BMS Size: 3/4" Orientation: Horizontal 975XLBMS w/ Wilkins 850 & 850T 975XL2BMS w/ Wilkins 850XL & 850TXL Issued: 1/3/1994 Amended: 10/23/2007, 10/23/2007, 11/4/2008, 8/20/2012

Revision: 2005 Model: 975XLMS & 975 XL2MS Size: 1" Orientation: Horizontal 975XLMS w/ Wilkins 850 & 850T 975XL2MS w/ Wilkins 850XL & 850TXL Issued: 1/3/1994 Amended: 10/23/2007, 10/23/2007, 11/4/2008, 8/20/2012

Revision: 2005 Model: 975XLMS & 975XL2MS Size: 1-1/2" Orientation: Horizontal 975XLMS w/ Wilkins 850 & 850T 975XL2MS w/ Wilkins 850XL & 850TXL Issued: 1/3/1994 Amended: 10/23/2007, 10/23/2007, 11/4/2008, 8/20/2012

Revision: 2005 Model: 975XLMS & 975XL2MS Size: 1-1/4" Orientation: Horizontal 975XLMS w/ Wilkins 850 & 850T 975XL2MS w/ Wilkins 850XL & 850TXL Issued: 1/3/1994 Amended: 10/23/2007, 10/23/2007, 11/4/2008, 8/20/2012

Revision: 2005 Model: 975XLMS & 975XL2MS Size: 2" Orientation: Horizontal 975XLMS w/ Wilkins 850 & 850T 975XL2MS w/ Wilkins 850XL & 850TXL Issued: 1/3/1994 Amended: 10/23/2007, 10/23/2007, 11/4/2008, 8/20/2012 Revision: 2005 Model: 975XLMS & 975XL2MS Size: 3/4" Orientation: Horizontal 975XLMS w/ Wilkins 850 & 850T 975XL2MS w/ Wilkins 850XL & 850TXL Issued: 1/3/1994 Amended: 10/23/2007, 10/23/2007, 11/4/2008, 8/20/2012

Revision: 2005 Model: 975XLSE Size: 1 1/2" Horizontal & Vertical up and down w/ Wilkins 600 WOG shut off Issued: 1/3/1994 Amended: 10/23/2007, 10/23/2007, 11/4/2008, 8/20/2012

Revision: 2005 Model: 975XLSE Size: 1 1/4" Horizontal, Vertical up & down w/ Wilkins 600 WOG shut off Issued: 1/3/1994 Amended: 10/23/2007, 10/23/2007, 11/4/2008, 8/20/2012

Revision: 2005 Model: 975XLSE Size: 2" Horizontal, Vertical Up & Down w/ Wilkins 600 WOG shut off Issued: 1/3/1994 Amended: 10/23/2007, 10/23/2007, 11/4/2008, 8/20/2012

Revision: 2005 Model: 975XLSEU & 975XL2SEU Size: 1 1/2" Orientation: Vertical Up - Vertical Down 975XLSEU w/Fortune Series 620U Ball Valves 975XL2SEU w/Wilkins 850UXL & 850TUXL Issued: 1/3/1994 Amended: 10/23/2007, 10/23/2007, 11/4/2008, 8/20/2012

Revision: 2005 Model: 975XLSEU & 975XL2SEU Size: 1 1/4" Orientation: Vertical Up - Vertical Down 975XLSEU w/Fortune Series 620U Ball Valves 975XL2SEU w/ Wilkins 850UXL & 850TUXL Issued: 1/3/1994 Amended: 10/23/2007, 10/23/2007, 11/4/2008, 8/20/2012 Revision: 2005 Model: 975XLSEU & 975XL2SEU Size: 2" Orientation: Vertical Up - Vertical Down 975XLSEU w/Fortune Series 620U Ball Valves 975XL2SEU w/ Wilkins 850UXL & 850TUXL Issued: 1/3/1994 Amended: 10/23/2007, 10/23/2007, 11/4/2008, 8/20/2012

Revision: 2005 Model: 975XLST Size: 1/2" Horizontal w/ Wilkins 850 shut off Issued: 1/3/1994 Amended: 10/23/2007, 10/23/2007, 11/4/2008, 8/20/2012

Revision: 2005 Model: 975XLST Size: 3/8" Horizontal w/ Wilkins 850 shut off Issued: 1/3/1994 Amended: 10/23/2007, 10/23/2007, 11/4/2008, 8/20/2012

Revision: 2005 Model: 975XLU & 975XL2U Size: 1" Orientation: Horizontal 975XLU w/ Wilkins 850U & 850TU 975XL2U w/ Wilkins 850UXL & 850TUXL Issued: 1/3/1994 Amended: 10/23/2007, 10/23/2007, 11/4/2008, 8/20/2012

Revision: 2005 Model: 975XLU & 975XL2U Size: 1-1/2" Orientation: Horizontal 975XLU w/ Wilkins 850U & 850TU 975XL2U w/ Wilkins 850UXL & 850TUXL Issued: 1/3/1994 Amended: 10/23/2007, 10/23/2007, 11/4/2008, 8/20/2012

Revision: 2005 Model: 975XLU & 975XL2U Size: 2" Orientation: Horizontal 975XLU w/ Wilkins 850U & 850TU 975XL2U w/ Wilkins 850UXL & 850TUXL Issued: 1/3/1994 Amended: 10/23/2007, 10/23/2007, 11/4/2008, 8/20/2012 Revision: 2005 Model: 975XLU & 975XL2U Size: 3/4" Orientation: Horizontal 975XLU w/ Wilkins 850U 850UU 975XL2U w/ Wilkins 850UXL & 850TUXL Issued: 1/3/1994 Amended: 10/23/2007, 10/23/2007, 11/4/2008, 8/20/2012

Revision: 2005 Model: 975XLV & 975XL2V Size: 1" Orientation: Horizontal 975XLV w/ Wilkins 850 & 850T 975XL2V w/ Wilkins 850XL & 850TXL Issued: 1/3/1994 Amended: 10/23/2007, 10/23/2007, 11/4/2008, 8/20/2012

Revision: 2005 Model: 975XLV & 975XL2V Size: 3/4" Orientation: Horizontal 975XLV w/ Wilkins 850 & 850XL W/ Wilkins 850XL & 850TXL Issued: 1/3/1994 Amended: 10/23/2007, 10/23/2007, 11/4/2008, 8/20/2012

<u>STANDARD #ASSE</u> 1014

Backflow Prevention Devices for Hand-Held Shower ASSE-2005

Zurn Industries, Inc. Revision: 2005 Model: Z7000VB Size: 1/2" NPSM Issued: 12/5/2008

STANDARD #ASSE 1015

Double Check Backflow Prevention Assemblies and Double Check Fire Protection Backflow Prevention Assemblies ASSE-2011

AMES Fire & Waterworks, a Watts Regulator Company Revision: 2011 Model: 2000B & (LF) 2000B Size: 3/4 inch Horizontal, Vertical Up and Vertical Down w/ KeyGuard SOV, Ames FBV & FBV-E Issued: 8/1/1997 Amended: 10/28/2008, 10/28/2008, 7/11/2012 Revision: 2011

Revision: 2011 Model: 2000B M3 Size: 3/4 inch Orientation: Horizontal -Vertical Up w/KeyGuard SOV Issued: 4/20/1999 Amended: 4/4/2006

Revision: 2011 Model: 2000B M3 & (LF)2000B M3 Size: 3/4 inch Horizontal - Vertical Up w/ KeyGuard SOV Issued: 8/1/1997 Amended: 10/28/2008, 10/28/2008, 7/11/2012

Revision: 2011 Model: 2000B(LF) & (LF)2000B Size: 1 1/2 inch Horizontal, Vertical Up w/Watts Figure FBV, FBV-E (QT), KeyGuard SOV Issued: 8/1/1997

Amended: 10/28/2008, 10/28/2008, 7/11/2012

Revision: 2011 Model: 2000B(LF) & (LF)2000B Size: 1 1/4 inch Horizontal, Vertical Up, Vertical Down w/ Watts FBV & FBV(E), Watts 6080 (6080-E)-QT, KeyGuard SOV Issued: 4/6/2006 Amended: 10/28/2008, 10/28/2008, 7/11/2012

Revision: 2011 Model: 2000B(LF) & (LF)2000B Size: 1 inch Horizontal & Vertical Up w/Watts figure FBV, FBV-E (QT), KeyGuard SOV Issued: 8/1/1997 Amended: 10/28/2008, 10/28/2008, 7/11/2012

Revision: 2011 Model: 2000B(LF) & (LF)2000B Size: 1/2 inch Orientation: Horizontal -Vertical Up w/ Watts FBV & FBV(E)-QT, Watt Series 6080 & (6080-E)-QT, KeyGuard SOV Issued: 4/6/2006 Amended: 10/28/2008, 10/28/2008, 7/11/2012

Revision: 2011	Revision: 2011	w/Clow	Hunter BFV, Watts	Revision: 2011
Model: 2000B(LF) &	Model: 2000SS (2000SS-	F6104/05/37/38/36/02;	Regulator 409 RW OS &	Model: Colt 200a & Colt
(LF)2000B	RS)	Kennedy 7592/93/61 &	Υ	200Na
Size: 2 inch	Size: 12 inch	7092/93/68; Union	Issued: 11/12/2001	Size: 4 inch
Horizontal - Vertical Up	Orientation: Horizontal -	GV12; Victaulic 702,	Amended: 10/1/2002,	Orientation: Horizontal -
w/Watts Figure FBV,	Vertical Up	Hunter BFV, Watts	2/1/2003	Vertical Up
FBV-E (QT), KeyGuard	w/ Kennedy KW and RW,	Regulator 409 RW OS &	D 2011	w/Clow
SOV	Watts Regulator 405,	Y	Revision: 2011	F6104/05/37/38/36/02;
Issued: 8/1/1997	409 RW OS & Y	Issued: 11/12/2001	Model: Colt 200 & Colt	Kennedy 7592/93/61 &
Amended: 10/28/2008,	Issued: 12/13/1994	Amended: 10/1/2002,	200N	7092/93/68; Union
10/28/2008, 7/11/2012	Amended: 7/1/2002	2/1/2003	Size: 8 inch	GV12; Victaulic 702,
Revision: 2011	Revision: 2011	Revision: 2011	Orientation: Horizontal - Vertical Up	Hunter BFV, Watts Regulator 409 RW OS &
Model: 2000B-FP &	Model: 2000SS (2000SS-	Model: Colt 200 & Colt	w/Clow	v
(LF)2000B-FP	RS)	200N	F6104/05/37/38/36/02;	Issued: 11/12/2001
Size: 1 1/2 inch	Size: 2-1/2 inch	Size: 2-1/2 inch	Kennedy 7592/93/61 &	Amended: 10/1/2002,
Horizontal & Vertical Up	Orientation: Horizontal -	Orientation: Horizontal -	7092/93/68; Union	2/1/2003
Issued: 2/27/2009	Vertical Up	Vertical Up	GV12; Victaulic 702,	2/1/2003
Amended: 7/11/2012	w/AVK, Kennedy KW and	w/Clow	Hunter BFV, Watts	Revision: 2011
/	RW, Watts Regulator	F6104/05/37/38/36/02;	Regulator 409 RW OS &	Model: Colt 200a & Colt
Revision: 2011	405, 409 RW OS & Y	Kennedy 7592/93/61 &	Y	200Na
Model: 2000B-FP &	Issued: 12/18/2013	7092/93/68; Union	Issued: 11/12/2001	Size: 6 inch
(LF)2000B-FP	, , , , ,	GV12; Victaulic 702,	Amended: 10/1/2002,	Orientation: Horizontal -
Size: 1 1/4 inch	Revision: 2011	Hunter BFV, Watts	2/1/2003	Vertical Up
Horizontal & Vertical Up	Model: 2000SS (2000SS-	Regulator 409 RW OS &		w/Clow
Issued: 2/27/2009	RS)	Y	Revision: 2011	F6104/05/37/38/36/02;
Amended: 7/11/2012	Size: 3 inch	Issued: 11/12/2001	Model: Colt 200a & Colt	Kennedy 7592/93/61 &
	Orientation: Horizontal -	Amended: 10/1/2002,	200Na	7092/93/68; Union
Revision: 2011	Vertical Up	2/1/2003	Size: 2-1/2 inch	GV12; Victaulic 702,
Model: 2000B-FP &	w/AVK, Kennedy KW and		Orientation: Horizontal -	Hunter BFV, Watts
(LF)2000B-FP	RW, Watts Regulator	Revision: 2011	Vertical Up	Regulator 409 RW OS &
Size: 1 inch	405, 409 RW OS & Y	Model: Colt 200 & Colt	w/Clow	Y
Horizontal & Vertical Up	Issued: 12/18/2013	200N	F6104/05/37/38/36/02;	Issued: 11/12/2001
Issued: 2/27/2009		Size: 3 inch	Kennedy 7592/93/61 &	Amended: 10/1/2002,
Amended: 7/11/2012	Revision: 2011	Orientation: Horizontal -	7092/93/68; Union	2/1/2003
D 2014	Model: 2000SS (2000SS-	Vertical Up	GV12; Victaulic 702,	2014
Revision: 2011	RS)	w/Clow	Hunter BFV, Watts	Revision: 2011
Model: 2000B-FP &	Size: 4 inch	F6104/05/37/38/36/02;	Regulator 409 RW OS &	Model: EZDC & EZDCn
(LF)2000B-FP	Orientation: Horizontal -	Kennedy 7592/93/61 &	Y	Size: 2-1/2 inch
Size: 2 inch	Vertical Up	7092/93/68; Union	Issued: 11/12/2001	Orientation: Horizontal -
Horizontal & Vertical Up	w/ Kennedy KW and RW,	GV12; Victaulic 702,	Amended: 10/1/2002,	Vertical Up
Issued: 2/27/2009	Watts Regulator 405, 409 RW OS & Y	Hunter BFV, Watts	2/1/2003	w/Hunter Ball Valves BV
Amended: 7/11/2012	Issued: 12/18/2013	Regulator 409 RW OS &	Revision: 2011	2-1/2,3,4,6,; Clow F6104/05//37/.38/36/02
Revision: 2011	Amended: 6/6/2011,	Issued: 11/12/2001	Model: Colt 200a & Colt	; Kennedy 7592/93/61 &
Model: 2000B-FP &	8/15/2012	Amended: 10/1/2002,	200Na	7092/93/68,Watts
(LF)2000B-FP	0/13/2012	2/1/2003	Size: 3 inch	Regulator 409 RW OS &
Size: 3/4 inch	Revision: 2011	2/1/2005	Orientation: Horizontal -	V
Horizontal & Vertical Up	Model: 2000SS (2000SS-	Revision: 2011	Vertical Up	Issued: 11/12/2001
Issued: 2/27/2009	RS)	Model: Colt 200 & Colt	w/Clow	Amended: 10/1/2002,
Amended: 7/11/2012	Size: 6 inch	200N	F6104/05/37/38/36/02;	2/1/2003
/	Orientation: Horizontal -	Size: 4 inch	Kennedy 7592/93/61 &	-, -, -0000
Revision: 2011	Vertical Up	Orientation: Horizontal -	7092/93/68; Union	Revision: 2011
Model: 2000BM3-FP &	w/ Kennedy KW and RW,	Vertical Up	GV12; Victaulic 702,	Model: EZDC & EZDCn
(LF)2000BM3 -FP	Watts Regulator 405,	w/Clow	Hunter BFV, Watts	Size: 3 inch
Size: 3/4 inch	409 RW OS & Y	F6104/05/37/38/36/02;	Regulator 409 RW OS &	Orientation: Horizontal -
Horizontal & Vertical Up	Issued: 12/18/2013	Kennedy 7592/93/61 &	Y	Vertical Up
Issued: 2/27/2009		7092/93/68; Union	Issued: 11/12/2001	w/Hunter Ball Valves BV
Amended: 7/11/2012	Revision: 2011	GV12; Victaulic 702,	Amended: 10/1/2002,	2-1/2,3,4,6,; Clow
	Model: 2000SS (2000SS-	Hunter BFV, Watts	2/1/2003	F6104/05//37/.38/36/02
Revision: 2011	RS)	Regulator 409 RW OS &		; Kennedy 7592/93/61 &
Model: 2000SS (2000SS-	Size: 8 inch	Y		7092/93/68, Watts
RS)	Orientation: Horizontal -	Issued: 11/12/2001		Regulator 409 RW OS &
Size: 10 inch	Vertical Up	Amended: 10/1/2002,		Y Issued: 11/12/2001
Orientation: Horizontal -	w/ Kennedy KW and RW,	2/1/2003		Issued: 11/12/2001
Vertical Up w/ Kennedy KW and RW,	Watts Regulator 405, 409 RW OS & Y	Revision: 2011		Amended: 10/1/2002, 2/1/2003
Watts Regulator 405,		Model: Colt 200 & Colt		2/1/2003
				Revision: 2011
409 RW	Issued: 12/13/1994 Amended: 7/1/2002	200N		
409 RW OS & Y Issued: 12/13/1994	Amended: 7/1/2002	200N Size: 6 inch		
Issued: 12/13/1994	Amended: 7/1/2002	Size: 6 inch		Model: EZDC & EZDCn
409 RW OS & Y Issued: 12/13/1994 Amended: 7/1/2002	Amended: 7/1/2002 Revision: 2011			Model: EZDC & EZDCn Size: 4 inch
Issued: 12/13/1994	Amended: 7/1/2002	Size: 6 inch Orientation: Horizontal - Vertical Up		Model: EZDC & EZDCn Size: 4 inch Orientation: Horizontal -
Issued: 12/13/1994	Amended: 7/1/2002 Revision: 2011 Model: Colt 200 & Colt	Size: 6 inch Orientation: Horizontal - Vertical Up w/Clow		Model: EZDC & EZDCn Size: 4 inch Orientation: Horizontal - Vertical Up
Issued: 12/13/1994	Amended: 7/1/2002 Revision: 2011 Model: Colt 200 & Colt 200N	Size: 6 inch Orientation: Horizontal - Vertical Up		Model: EZDC & EZDCn Size: 4 inch Orientation: Horizontal -
Issued: 12/13/1994	Amended: 7/1/2002 Revision: 2011 Model: Colt 200 & Colt 200N Size: 10 inch Orientation: Horizontal w/Watts Regulator 409	Size: 6 inch Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02;		Model: EZDC & EZDCn Size: 4 inch Orientation: Horizontal - Vertical Up w/Hunter Ball Valves BV 2-1/2,3,4,6,; Clow F6104/05//37/.38/36/02
lssued: 12/13/1994 Amended: 7/1/2002	Amended: 7/1/2002 Revision: 2011 Model: Colt 200 & Colt 200N Size: 10 inch Orientation: Horizontal w/Watts Regulator 409 RW OS & Y & Vertical up	Size: 6 inch Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 &		Model: EZDC & EZDCn Size: 4 inch Orientation: Horizontal - Vertical Up w/Hunter Ball Valves BV 2-1/2,3,4,6,; Clow F6104/05//37/.38/36/02 ; Kennedy 7592/93/61 &
Issued: 12/13/1994	Amended: 7/1/2002 Revision: 2011 Model: Colt 200 & Colt 200N Size: 10 inch Orientation: Horizontal w/Watts Regulator 409 RW OS & Y & Vertical up	Size: 6 inch Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & 7092/93/68; Union		Model: EZDC & EZDCn Size: 4 inch Orientation: Horizontal - Vertical Up w/Hunter Ball Valves BV 2-1/2,3,4,6;; Clow F6104/05//37/.38/36/02

7092/93/68, Watts Regulator 409 NV OS & Vancende: 10/12/2001 Revision: 2011 Model: DCAM & Size: 3/4 Vertical Up Vertical U					
V Maxim 200N Size : 3: 4/2 Comparison of the second se					
Issued: 11/12/2001 Size: 2:1/2 Inch Model: 12/02.003 Size: 2:1/2 Inch Model: 12/02.003 Size: 2:1/2 Inch Model: 12/02.01 Size: 2:1/2 Inch Model: 12/02.01 Orientation: Horizontal- Wertical Up Orientation: Horizontal- Wertical Up Vertical Up	Regulator 409 RW OS &				
Amended: 10/1/2002, Vertical Up Orientation: Horizontal- Vertical Up Vertical Up Vertic	Y				
2/1/2003 Vertical Up Vertical Up Vertical Up Revision : 2011 Pertical Up Vertical Up Vertical Up Size : 21, 21, 21, 21, 21, 21, 21, 21, 21, 21,	Issued: 11/12/2001			-	
Revision: 2011 w/Clow %/Clow §1C Series hall valves Model: 5/2D Los La EDRoma %/Clow §1C Series hall valves Model: 2/16/2003 Model: 2/12/2017 Kennedy: 7/32/2017 Kennedy: 7/32/2017 Kennedy: 7/32/2017 Vertical Up Withunter Bit Valves BV Kennedy: 7/32/2018 Model: DC4AA Model: C1/2/2007 Vertical Up Kennedy: 7/32/2016 Kennedy: 7/32/2018 Model: DC4AA Model: C1/2/2007 Vertical Up Kennedy: 7/32/2016 Kennedy: 7/32/2018 Model: DC4AA Model: C1/2/2007 Vertical Up Kennedy: 7/32/2018 Kennedy: 7/32/2018 Model: DC4AA Model: C1/2/2007 Vertical Up Withunter Bit Valves or Kennedy: 7/32/2018 Kennedy: 7/32/2018 Model: DC4A Model: DC4A Vertical Up Withunter Bit Valves or Kennedy: 7/32/2018 Size: 11/1/2/2001 Model: DC4A Model: DC4A Model: DC4A Vertical Up Withunter Bit Valves Kennedy: 7/32/2018 Model: DC4A <					
Revision: 2011 Model: E20Ca & E2DCna Size: 2.1/2 inch Org2/33/88, Union T092/33/88, Union T092/33	2/1/2003			91C Series hall valves	
Model: E2DCa & E2DCna Kennedy 7592/93/61. & 7092/93/62. Unich Orientation: Horizontal Kennedy 7592/93/61. & 7092/93/62. Unich GV12: Victaulic 702, Hunter BFV. Watts Kennedy 7592/93/61. & 7092/93/62. Unich GV12: Victaulic 702, Hunter BFV. Watts Wennedd: 702, Hunter BFV. Watts Hunter BFV. Watts Revision: 2011	Revision: 2011				Model GV gate valve &
Size: 3:1/2 inch Orientation: Norizontal Wertical Up, Withouter Baltowes BW Fiol. 40/50/13/138/36/02, Wertical Up, Withouter Baltowes BW Fiol. 40/50/13/138/36/02, Wertical Up/2020, 2/1/2003 7092/93/68; Union Orientation: Norizontal Wertical Up/2020, 2/1/2003 Firelock Butterfly Valves Begulator 409 RW 05 & Victual C702, 2/1/2003 Firelock Butterfly Valves Begulator 409 RW 05 & Victual C77, 2/1/2003 Firelock Butterfly Valves Begulator 409 RW 05 & Victual C77, 2/1/200		Kennedy 7592/93/61 &			
Vertical Up Withuter Ball Valves BV 2-1/2.3.4.6;: Clow Fold/05/17/3.83/50/02 Huntér BFV, Watts Valves M Amended: 10/1/2002, 2/1/2003 Amended: 10/1/2002, 2/1/2003 <td< td=""><td>Size: 2-1/2 inch</td><td></td><td></td><td></td><td></td></td<>	Size: 2-1/2 inch				
w/tunter Ball Values BV F21/23.46, Clow F6104/05/37/38/35/02 Regulator 409 RW OS & Vertical Up/Down w/ Vertical Up/Down w/ Kennedy Y52/93/618 Vertical Up/Down w/ Vertical Up/Down w/ Vertical Up/Down w/ Vertical Up/Down w/ Vertical Up/Down w/ Vertical Up/Down w/ Vertical Up/Down w/ Kennedy Model KS-RW Size: 11/2'/2001 Revision: 2011 Revision: 2011 Nodel: DCAA S Size: 12/2' Nodel: DCAA S Size: 12/2' Revision: 2011 Revision: 2011 Revision: 2011 Nodel: DCAA S Size: 11/2/2003 Revision: 2011 Revision: 2011 Revision: 2011 Revision: 2011 Nodel: L2DCA & Size: 11/2/2003 Revision: 2011 Revision: 2011 Revision: 2011 Revision: 2011 Nodel: L2DCA & Size: 11/2/2003 Revision: 2011 Revision: 2011 Revision: 2011					
2-1/2,3,4,5; Clow F6104/05/37/38/36/02 Y Size: 61 Revision: 2011 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Amended: 10/1/20	Vertical Up				Amended: 6/19/2018
F61040/5//37/38/36/02 issued: 11/12/2001 issued: 11/12/2001 Vertical Up/Down w/ Model: DC4AN & Vertical Up/Down W/ Kennedy 52/93/61& mended: 10/1/2002, 2/1/2003 Vertical Up/Down w/ Kennedy 52/93/61& Model: DC4AN & DCLFAAN Size: 31 nch Divel: 31/37/38/36/02 Fision: 2011 World: DC4AN & DCLFAAN Size: 4" Vertical Up/Down w/ Kennedy 52/93/61& Ke	W/Hunter Ball Valves BV	Regulator 409 RW OS &	Regulator 409 RW OS &		Devision: 2011
Kennedy 7592/93/61 & Regulator 409 RW 058, 7/1/2003 Amended: 10/1/2002, 7/1/2003 Vitzaulic 702 Firelock Kennedy VS-RW 026 DCLFAAN Kennedy VS-RW 026 D	2-1/2,3,4,6,; CIOW	r Issued: 11/12/2001	Y Issued: 11/12/2001		
2022/93/68, Watts 2/1/2003 2/1/2003 2/1/2003 2/1/2003 Size: 4" Peritial up/Down w/ Remistor 2011 Susced: 1/1/2/2001 Amended: 10/1/2002, 1/2/2003 Contract Induction Apolio Valves / Contract Induction Apolio Valves / Contract Induction Contract Induction Size: 4" Model KS-RW Gate Valves or Apolio Model KS-RW Model					
Regulator 409 RW 05 & Y Revision: 2011 Model: 11/12/2001 Revision: 2011 Model: Cala Revision: 2011 Model: Cala Kennedy KS-RW Gate Yenedy	7092/93/68. Watts				
Y Apollo Values / Amended: 10/1/2002, Amended: 10/1/2002, Y/1/2003 Revision: 2011 Model: Z2OCa & E2DCna Medici Maxim 200 & Size: 3 inch Orientation: Horizontal Wertical Up Apollo Values / Size: 3 inch Orientation: Horizontal Vertical Up Values or Apollo Model Size: 3 inch Orientation: Horizontal Vertical Up Kewision: 2011 Kewision: 2		_, _, _0000	_, _, _0000		
Amended: 10/1/2002, 2/1/2003Maxim 200N Size: 3 inch Orientation: Horizontal Vertical Up Vertical Up Vertical Up 2/1/203Revision: 2011 Model: EZDCa & EZDCna Size: 3 inch Orientation: Horizontal Vertical Up Vertical Up <td></td> <td></td> <td>Apollo Valves /</td> <td></td> <td></td>			Apollo Valves /		
2/1/2003 Size: 3 Inch Size: 3 Inch Model: DC4A Amended: 6/19/2018 Firelock Butterfly Valve Model: C2C & EZDCna Kennedy 752/93/618 Witzulic Series 702 Firelock Butterfly Valve V/Clow F6104/05/37/38/36/02 Witzulic 702, Firelock Butterfly Valve Size: 11/27 V/Size: 3 Inch Orientation: Horizontal Witzulic Series 702 Revision: 2011 V/Size: 3 Inch T092/93/68, Watts Revision: 2011 Model: DC4A Size: 3 Inch Vertical Up Witzulic 702, Firelock Butterfly Valve Size: 3 Inch Size: 3 Inch Vertical Up Witzulic 702, Firelock Butterfly Valve Size: 3 Inch Size: 3 Inch Vertical Up Witzulic 702, Firelock Butterfly Valve Size: 4 Inch Size: 4 Inch Vertical Up Witzulic 702, Firelock Butterfly Valve Size: 4 Inch Size: 4 Inch Size: 11/12/2001 Amended: 5/19/2018 Revision: 2011 Model: DC4A Model: E2DCa & EZDCna Size: 11/12/2001 Revision: 2011 Model: DC4A Model: E2DCa & EZDCna Size: 11/12/2001 Revision: 2011 Model: DC4A Model: E2DCa & EZDCna <td>Issued: 11/12/2001</td> <td>Model: Maxim 200 &</td> <td></td> <td></td> <td></td>	Issued: 11/12/2001	Model: Maxim 200 &			
 Drientation: Horizontal- Model: EZDCa & EZDCa Size: 31(n- Wetrical Up Vertical Up 					
Revision: 2011 Model: EZCA & EZDCNA Size: 3 inch Orientation: Horizontal- Vertical Up W/Low F6104/05/37/38/36/02: Kennedy 752/93/61 & 702/93/68, Watts Regulator 409 RW 05 & K ensel, 11/12/2001 Amended: 10/1/2002, 2/1/2003Orientation: Horizontal- Vertical Up W/Bayes ConstraintsConstraints Constraints Constraints Constraints Revision: 2011 Model: DC4AN & Discust 11/12/2001 Amended: 10/1/2002, 2/1/2003Besued: 5/24/1991 Amended: 10/1/2002, 2/1/2003Besued: 5/24/1991 Amended: 10/1/2002, 2/1/2003Revision: 2011 Model: CC4AN & Size: 11/12/2001 Amended: 10/1/2002, 2/1/2003Revision: 2011 Model: CC4AN & Size: 10'' Nodel: CC4AN & Size: 10''Revision: 2011 Model: CC4A Size: 10'' Nodel: CC4AN & Size: 10''Revision: 2011 Model: CC4A Size: 10'' Nodel: CC4AN & Size: 11/2/2001 Amended: 10/1/2002, 2/1/2003Revision: 2011 Model: CC4A Size: 11/12/2001 Amended: 10/1/2002, 2/1/2003Revision: 2011 Model: CC4A Size: 11/12/2001 Amended: 10/1/2002, 2/1/2003Revision: 2011 Model: CC4A Size: 10'' Nodel: CC4AN & Size: 10'' Nodel: CC4AN & Size: 10'' Nodel: CC4AN & Size: 10'' Nodel: CC4AN & Size: 10'' Nodel: CC4A Size: 10'' Nodel: CC4AN & Size:	2/1/2003			Amended: 6/19/2018	
Model: EZDCa & EZDCaw/ClowV/ClowAmended: 6/19/2018Direntation: Horizontal- Vertical Up Withunter Ball Valves BV 2-1/2,3,4,6; Clow F6104/05/37/38/36/02; Kennedy 7592/93/68, Watts Regulator 409 RW 05 & Y usued: 11/12/2001 Amended: 10/1/2002, Z/1/2003Wettical Up / Vertical Up / Victaulic Series 702 Firelock Butterfly Valves Size: 11/4"Model: DC4A Size: 11/4"Revision: 2011 Model: DC4A Size: 11/4"Model: DC4A Size: 11/4"Model: DC4A Size: 11/4"Revision: 2011 Model: DC4A Size: 11/4"Model: DC4A Size: 11/4"Revision: 2011 Model: DC4A Size: 11/4"Revision: 2011 Model: DC4A Size: 11/4"Revision: 2011 Model: DC4A Size: 11/4"Revision: 2011 Model: DC4A Size: 10/1Revision: 2011 Model: DC4A Size: 11/2/2001 Amended: 11/12/2001 Amended: 11/12/2001 Amended: 10/12002, 2/1/2003Revision: 2011 Model: DC4A Size: 11/12/2001 Amended: 11/12/2001 Amended: 11/12/2001 Amended: 11/12/2001 Amended: 11/12/2001 Amended: 11/12/2001 Amended: 11/12/2001 Amended: 11/12/2001 Ame	Povision: 2011			Povision: 2011	
Size: 3 inch Orientation: Horizontal- Vertical Up, W/Hunter Ball Valves BV 2-1/23,4,6; Clow W/Langer Ball Valves Y F6104/05/37/38/36/02; Kennedy 752/93/68; Union GV12; Victualic 702, Hunter BFV, Watts Regulator 409 RW 0S & Y W / R,776, 77C, 918, Journey Model: LoCAN Size: 1/1/12/2001 DCLFAAN Kennedy Model KS-RW gate valve or Apollo Model: DCAS Revision: 2011 Model: DCAS Revision: 2011 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: DCAAN Size: 1/4 Revision: 2011 Model: DCAAN Size: 1/4 Revision: 2011 Model: DCAAN Size: 1/4 Revision: 2011 Model: DCAAN Size: 1/4 Revision: 2011 Worlde: EDCa & EZDCna Size: 1/4/15/2008 Revision: 2011 Model: DCAAN Size: 1/4 Revision: 2011 Model: DCAAN Size: 1/4 Revision: 2011 Model: DCAAN Size: 10" Revision: 2011 Model: DCAAN Size: 21/2" Revisi					
Orientation: Horizontal - Vertical Up Wethurter Ball Valves BV 2-1/2,3,4,6, Clow F6104/05//37/38/36/02; Kennedy 7592/93/64, Watts Regulator 409 RW 05 & Y Stee: 11/12/2001 Amended: 10/1/2002, 2/1/2003Hunter BFV, Watts Regulator 409 RW 05 & Y Issued: 11/12/2001 Amended: 10/1/2002, 2/1/2003Size: 12/14 Revision: 2011 Model: DC4A Size: 11/4"Size: 3'' Revision: 2011 Model: DC4A Size: 11/4"Revision: 2011 Model: DC4A Size: 11/4"Revision: 2011 Model: DC4A Size: 11/4"Revision: 2011 Model: DC4A Size: 11/4"Revision: 2011 Model: DC4A Size: 10''Revision: 2011 Revision: 2011Revision: 2011 Model: DC4A Size: 10''Revision: 2011 Model: DC4A Size: 11/2/2001 Amended: 11/2/2001 Amended: 11/2/2001 Amended: 10/1/2002, 2/1/2003Revision: 2011 Model: DC4A Size: 2''Revision: 2011 Model: DC4A Size: 2''' Orientation: Horizontal- Vertical Up W 78,778,775,918,912 Size: 10''Revision: 2011 Model: DC4A Size: 2''' Orientation: Horizontal- Vertical Up W 78,778,775,918,912 Orientation: Horizontal- Vertical Up W 72,778					Amenaca. 0/15/2018
Vertical Up Withurter Ball Valves BV 2-1/2.3,4,6; Clow (7092/93/68, Watts Regulator 409 RW OS & Y7092/93/68, Watts Regulator 409 RW OS & Y7092/93/61,8 YModel: DC4A Size: 11/12/2001 Amended: 10/1/2002, 2/1/2003Model: DC4A Namended: 10/1/2002, 2/1/2003Revision: 2011 Model: Naxim 200 & Namended: 10/1/2002, 2/1/2003Model: Naxim 200 & Namended: 10/1/2002, 2/1/2003Revision: 2011 Namended: 10/1/2002, 2/1/200					Revision: 2011
w/Hunter Ball Valves BV C1212; Victaulic 702, Hunter BFV, Watts F6104/05//37/38/35/02; Y kennedy 752/93/68, Watts Regulator 409 RW OS & Y Sued: 11/12/2001 Amended: 10/1/2002, 2/1/2003GV12; Victaulic 702, Hunter BFV, Watts Regulator 409 RW OS & Nodel: Maxim 2000 & Model: CDCa & Size: 11/4Issued: 4/15/2008Kension: 2011 Model: CDCA Size: 11/4Size: 12/2" Horizontal- Vertical Up W/ 78,776,77C, 918, 91C Series 702 Amended: 10/1/2002, V/78,778,77C, 918, 91C Series 702 Amended: 10/1/2002, V/78,778,77C, 918, 91C Series 702 Amended: 10/1/2002, WHINTEr Ball Valves BV F6104/05/37/38/36/02; Kennedy 7532/93/68, Watts Regulator 409 RW OS & Y Vertical Up W/T8,778,77C, 918, 91C Series 702 Withurter Ball Valves BV Y1/22003Revision: 2011 Model: DC4A Size: 10"Keision: 2011 Model: DC4A Size: 10"Keision: 2011 Model: DC4A Size: 10"Keision: 2011 Model: CC4S Size: 10"Keision: 2011 Model: CC4S Size: 10"Keision: 2011 Model: CC4S Size: 10"Revision: 2011 Model: CC4S Size: 10"Revision: 2011 Model: CC4S Size: 10"Revision: 2011 Model: CC4S Size: 11/27/2007Revision: 2011 Model: CC4S Size: 12" Orientation: Horizontal- Vertical Up W/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61& Maxim 200N Size: 61 Size: 10 Inch Orientation: Horizontal- Vertical Up W/Clow F6104/05/37/38/36/02; K		7092/93/68; Union			
F6104/05/37/38/36/02 Regulator 409 RW OS & Yennedy 7592/39/68, Watts Revision: 2011 Model: DC4A Model: C42 Model: C42 <td>w/Hunter Ball Valves BV</td> <td>GV12; Victaulic 702,</td> <td>Issued: 4/15/2008</td> <td>Kennedy Model KS-RW</td> <td></td>	w/Hunter Ball Valves BV	GV12; Victaulic 702,	Issued: 4/15/2008	Kennedy Model KS-RW	
; Kennedy 7592/93/61 & Y 7092/93/68, Watts Regulator 409 RW OS & Y Sued: 11/12/2001 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: Maxim 200N Size: 4 inch Orientation: Horizontal- Vertical Up W/Tex,778, 77C, 918, Wotel: DC4A Maxim 200N Size: 4 inch Orientation: Horizontal- Vertical Up W/Tex,778, 77C, 918, W/Tex,778, 77C, 918, Wotel: DC4A Size: 10° Orientation: Vertical Up W/Tex,778, 77C, 918, Model: DC4A Size: 11/12/2001 Amended: 10/1/2002, 2/1/2.03,68; Union Orientation: Horizontal- Vertical Up W/Tex,778, 77C, 918, Model: DC4A Size: 11/27/2007 F6104/05/37/38/36/02; Kennedy 7592/93/68; Union Orientation: Horizontal- Vertical Up W/Tex,778, 77C, 918, Model: DC4A Size: 11/27/2007 Size: 12° Orientation: Horizontal- Vertical Up W/Tex,778, 77C, 918, Model: DC4A Size: 12/2° Orientation: Horizontal- Vertical Up W/Tex,778, 77C, 918, Model: DC4A Size: 12/2° Orientation: Horizontal- Vertical Up W/Tex,778, 77C, 918, Model: DC4A Size: 12/2° Orientation: Horizontal- Vertical Up W/Tex,778, 77C, 918, Model: DC4A Size: 21/2° Nodel: DC4A Size: 21/2°	2-1/2,3,4,6,; Clow				Horizontal, Vertical
7092/93/68, Watts Regulator 409 RW 05 & YIssued: 11/12/2001 Amended: 10/1/2002, 2/1/2003Issued: 11/12/2001 Amended: 10/1/2002, 2/1/2		Regulator 409 RW OS &			
Regulator 409 RW OS & YAmended: 10/1/2002, 2/1/2003Orientation: Horizontal - V/Ficial Up W/T8,778,77C,918, 91C series ball valves Size: 4 inchIssued: 5/24/1991 Amended: 6/19/2018Issued: 4/20/1999 Amended: 1/20/2011Revision: 2011 Model: DCAA Size: 4 inch Orientation: Horizontal - Vertical Up W/Clow Fo104/05/37/38/36/02; Kennedy 7592/93/61, & 7092/93/68; Union Orientation: Horizontal - Vertical Up Model: 10/1/2002, 2/1/2003Revision: 2011 Model: DCAA Size: 10"Issued: 5/24/1991 Amended: 10/1/2002, Vertical Up W/Clow Fo104/05/37/38/36/02; Kennedy 7592/93/61, & Regulator 409 RW OS & Y Lissued: 10/1/2002, 2/1/2003Revision: 2011 Model: DCAA Size: 10"Issued: 3/13/2001 Amended: 10/1/2002, 2/1/2003Revision: 2011 Model: DCAA Size: 10"Revision: 2011 Model: DCAA Size: 10"Revision: 2011 Amended: 10/1/2002, 2/1/2003Revision: 2011 Model: DCAA Size: 10"Revision: 2011 Model: DCAA Size: 2"Revision: 2011 Model: DCAA Size: 10"Revision: 2011 Model: DCAA Size: 10"Revision: 2011 Model: DCAA Size: 10"Revision: 2011 Model: DCAA Size: 10"Revision: 2011 Model: DCAA Size: 11'Revision: 2011 Model: DCAA Size: 11'Revision: 2011 Model: DCAA Size: 11'Revision: 2011 Model: DCAA Size: 11' Model: DCAA Size: 11' Size: 11' Model: DCAA Size: 11' Size: 11'/2'	; Kennedy 7592/93/61 &	Y			
YZy1/2003Vertical Up w/T8,776,776,776,918,91C Series ball valvesAmended: 6/19/2018Amended: 1/20/2011Amended: 10/1/2002, 2/1/2003Revision: 2011Wertical Up w/T8,776,776,776,918,91C Series ball valvesMewision: 2011Revision: 2011Model: DC4A Size: 10"Model: DC4A Size: 10"Model: CC4S Size: 11/2/2001Model: CC4S Size: 11/2/2007Model: CC4S Size: 12"Model: CC4S Size: 12"Model: CC4S Size: 12"Model: CC4S Size: 12"Model: CC4S Size: 11/2/2007Model: CC4S Size: 12"Model: CC4S Size: 12"					
Issued: 11/12/2001 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: Maxim 2000 Size: 4 inch Orientation: Horizontal- Vertical Up W/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61& T092/93/68, Watts Regulator 409 RW OS & Y Size: 10 inch Orientation: Horizontal- Vertical Up W/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61& T092/93/68, Watts Regulator 409 RW OS & Y Size: 10 inch Orientation: Horizontal- Vertical Up W/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61& T092/93/68, Watts Regulator 409 RW OS & Y Size: 10 inch Orientation: Horizontal- Vertical Up W/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61& T092/93/68, Watts Regulator 409 RW OS & Size: 10 inch Orientation: Horizontal- Vertical Up W/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61& T092/93/68, Watts Regulator 409 RW OS & Y Size: 10 inch Orientation: Horizontal- Vertical Up W/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61& T092/93/68, Watts Regulator 409 RW OS & Size: 10 inch Orientation: Horizontal- Vertical Up W/Clow Fielo/CS/37/38/36/02; Kennedy 7592/93/61& T092/93/68, Watts Regulator 409 RW OS & Size: 10 inch Orientation: Horizontal- Vertical Up W/Clow Fielo/CS/37/38/36/02; Kennedy 7592/93/61& T092/93/68, Watts Regulator 409 RW OS & Size: 10 inch Orientation: Horizontal- Vertical Up W/Clow Fielo/CS/37/38/36/02; Kennedy 7592/93/61& T092/93/68; Union GV12; Victaulic 702, Hunter BFV, Watts Regulator 409 RW OS & Y Size: 10 inch Orientation: Horizontal- Vertical Up W/Clow Fielo/CS/37/38/36/02; Kennedy 7592/93/61& T092/93/68; Union GV12; Victaulic 702, Hunter BFV, Watts Regulator 409 RW OS & Y Sused: 11/12/2001 Amended: 10/1/2002, 2/1/2003 Kennedy 7592/93/61& T092/93/68; Union GV12; Victaulic 702, Hunter BFV, Watts Regulator 409 RW OS & Y Sused: 11/12/2001 Amended: 10/1/2002, 2/1/2003 Kennedy 7592/93/61& T092/93/68; Union GV12; Victaulic 702, Hunter BFV, Watts Regulator 409 RW OS & Y Sused: 11/12/2001 Amended: 10/1/2002, 2/1/2003 Kennedy 7592/93/61& T092/93/68; Union GV12; Victaulic 702, Hunter BFV, Watts Regulator 409 RW OS & Y Sused: 11/12/2001 Amended: 10/1/				Amended: 6/19/2018	
Amended: 10/1/2002, 2/1/2003Revision: 2011 Model: Maxim 200 N Maxim 200N Size: 4 inch91C Series ball valves Isued: 4/15/2008Revision: 2011 Model: DC4A N Size: 10"Revision: 2011 Model: DC4A Size: 10"Revision: Horizontal Orientation: Horizontal Vertical Up W/Louter Ball Valves BV 2/1/200391C Series ball valves W/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & T092/93/68, Union CM21/2002, Z/1/200391C Series ball valves W/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & CM21/2002, Z/1/200391C Series ball valves W/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & CM21/2002, Z/1/200391C Series ball valves W/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & CM21/2002, Z/1/200391C Series ball valves W/Clow F012/05/37/38/36/02; Kennedy 7592/93/61 & F012/05/37/38/36/02; Kennedy 7592/93/61 & F012/05/37/38/36/02; Ken	Issued: 11/12/2001	2/1/2003		Amenaea. 0/15/2010	Amenaca. 1/20/2011
2/1/2003Model: Maxim 200 & Maxim 200NIssued: 4/15/2008Model: DC4A & Size: 10''Model: DC4S Size: 10''Model: DC4S Size: 10''Revision: 2011 Model: EZDCa & EZDCna Size: 4 inch Orientation: Horizontal- Vertical Up w/ClowSize: 4 inch Orientation: Horizontal- Vertical Up w/ClowIssued: 4/15/2008Model: DC4A & Size: 10''Model: DC4S Size: 11/27/2007Revision: 2011 Model: 10/1/2002, 2/1/2003GV12; Victaulic 702, Hunter BFV, Watts Regulator 409 RW OS & Y Size: 10 inch Orientation: Horizontal- Vertical Up w/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & Model: Maxim 200 N Size: 10 inch Orientation: Horizontal- Vertical Up w/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & Model: Maxim 200 N Size: 2 inch Orientation: Horizontal- Vertical Up w/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & Model: Maxim 200 N Size: 3 inch Orientation: Horizontal- Vertical Up w/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & Model: Maxim 200 N Size: 2 inch GV12; Victaulic 702, Hunter BFV, Watts Regulator 409 RW OS & Y Suced: 11/12/2001 Amended: 10/1/2002, Z/12/003Issued: 12/2/2007 Kennedy 7592/93/61 & Model: DC4A Size: 2'' Orientation: Horizontal- W/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & Model: DC4A Size: 11/2/2001 Amended		Revision: 2011		Revision: 2011	Revision: 2011
Revision: 2011 Model: EZDCa & EZDCa Size: 4 inch Orientation: Horizontal- Vertical Up w/Low (Aputer Bal Valves BV 2-1/2,3,4,6; Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & 7092/93/68, Watts Regulator 409 RW OS & Y 1ssued: 11/12/2001 Amended: 10/1/2002, 2/1/2003Size: 4 inch Orientation: Horizontal- Vertical Up W/Clow Vertical Up W/Clow W/Clow W/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & Regulator 409 RW OS & Y Size: 101Revision: 2011 Model: DC4A Size: 11/27/2007Horizontal & Vertical Up W/Clou Vertical Up W/Renedy Model KS- Regulator 409 RW OS & Y 1ssued: 11/12/2001 Amended: 10/1/2002, 2/1/2003Horizontal & Vertical Up W/Clow W/Renedy Model KS- Revision: 2011 Model: DC4A Size: 121Horizontal & Vertical Up Apollo Model GV gate valve & Victaulic Series 702 Firelock Butterfly Valves Size: 121Horizontal & Vertical Up Apollo Model GV gate valve & Victaulic Series 702 Firelock Butterfly ValvesRevision: 2011 Model: 10/1/2002, 2/1/2003Revision: 2011 Model: DC4A Size: 121Model: DC4A Size: 121 Orientation: Horizontal- Vertical Up W/ 7B,77R, 91B, 91C Series ball valves Size: 121Revision: 2011 Model: DC4A & Size: 121Model: DC4A Nodel: DC4A & Size: 121Model: DC4A Nodel: DC4A & Size: 121Revision: 2011 Model: DC4A & Size: 121Model: DC4A & Size: 121Revision: 2011 Model: Maxim 200N Size: 6 inch Orientation: Horizontal- Vertical Up W/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & Roy2/93/68; Union GV12; Victaulic 702, Hunter BFV, Watts Regulator 409 RW OS & Y Suce: 11/12/2001 Amended: 10/1/2002, 2/1/2003Revision: 2011 M		Model: Maxim 200 &	Issued: 4/15/2008		
Model: EZDCa Size: 1inh Orientation: Horizontal Vertical UpOrientation: Horizontal Vertical UpModel: DCAA Size: 1" Orientation: Horizontal Vertical UpOrientation: Vertical Up Vertical UpW/ Kennedy KS II or Apollo Model GV gate valveVertical Up W/Low F6104/05/37/38/36/02; ; Kennedy 7592/93/61 & F0124/05/37/38/36/02; ; Kennedy 7592/93/61 & Regulator 409 RW OS & YModel: C2A Size: 11/12/2001 Amended: 10/1/2002, 2/1/2003Model: DCAA Size: 11/12/2001 Amended: 10/1/2002, 2/1/2003Orientation: Horizontal W/Ennedy X52/93/61 & Hunter BFV, Watts Regulator 409 RW OS & YModel: Model: DCAA Size: 12/" Model: DCAAOrientation: Vertical Up Vertical Up W/Enredy Model KS- RW gate valve or Apolio Model: Matin 200 Model: 10/1/2002, 2/1/2003Revision: 2011 Model: DCAANodel: Model SC- Revision: 2011 Model: DCAARevision: 2011 Model: DCAARevision: 2011 Model: DCAA Size: 1/2" Orientation: Horizontal- Vertical Up W/TB, 77E, 77C, 91B, 91C Series ball valves Size: 10 inch Orientation: Horizontal- Vertical Up W/ClowRevision: 2011 Model: DCAARevision: 2011 Model: DCAA Size: 2" Orientation: Horizontal- Vertical Up W/ClowRevision: 2011 Model: DCAA Size: 2" Orientation: Horizontal- Vertical Up W/ClowRevision: 2011 Model: DCAA Size: 2"Revision: 2011 Model: DCAA Size: 2" Orientation: Horizontal- Vertical Up W/Kennedy KS II Size: 2 1/2"Revision: 2011 Model: DCAA Size: 3' Horizontal - Vertical Up Vertical Up W/Kennedy KS II Size: 2 1/2"Revision: 2011 Model: DCAA Size: 3' Horizontal - Vertical Up Vertical Up/Down W/ Kennedy KS II <td></td> <td></td> <td></td> <td></td> <td></td>					
Size: 4 inch Orientation: Horizontal - Vertical Up W/Lunter Ball Valves BV 					
Orientation: Horizontal - Vertical Up w/Hunter Ball Valves BV 2-1/2.3,4,6; Clow F6104/05/37/38/36/02 (Kennedy 7592/93/61& Kegulator 409 RW OS & Yw/Clow Folication: Horizontal - Vertical Up w/78,776,918, 91C Series ball valves issued: 11/12/2001 Amended: 10/1/2002, 2/1/2003orientation: Horizontal - Vertical Up w/78,776,918,91C Series ball valves suce: 11/12/201 Amended: 10/1/2002, 2/1/2003orientation: Horizontal - Vertical Up w/78,776,918,702,9					
Vertical Up w/Hunter Ball Valves BV w/TB,778,736/36/02; kennedy 7592/93/61 & robust 72/003 & robust 72/0 robust 72/0 & robust 72/0 robust 72					
w/Hunter Ball Valves BV 2-1/2,3,4,6,; Clow F6104/05/37/38/36/02 ; Kennedy 7592/93/61& Regulator 409 RW OS & YKennedy 7592/93/61& CV12; Victaulic 702, Hunter BFV, Watts Regulator 409 RW OS & YModel GV gate valve & Victaulic Series 702 Firelock Butterfly Valves Issued: 11/27/2007Model GV gate valve & Victaulic Series 702 Firelock Butterfly Valves Issued: 11/27/2007Amended: 1/20/2011, 7/22/2015Amended: 1/20/2011, 7/22/2015Amended: 1/20/2011, 7/22/2015Regulator 409 RW OS & YHunter BFV, Watts Regulator 409 RW OS & YHunter BFV, Watts Revision: 2011Model: DC4A Size: 1/2"Model: DC4A & Size: 1/2"Revision: 2011 Model: DC4A & Size: 1/2"Model: DC4A & Size: 1/2"Model: DC4A & Size: 1/2"Revision: 2011 Model: DC4A & Size: 1/2"Model: DC4A & Size: 1/2"Model: DC4A & Size: 1/2"Revision: 2011 Model: DC4A & Size: 1/2"Model: DC4A & Size: 1/2"Model: DC4A & Size: 1/2"Revision: 2011 Model: DC4A & Size: 1/2"Model: DC4A & Size: 1/2"Model: DC4A & Size: 1/2"Revision: 2011 Model: DC4A & Size: 2"Revision: 2011 Model: DC4A & Size: 2"R					
2-1/2,3,4,6; Clow F6104/05/137/38/36/02 ; Kennedy 7592/93/61 & Regulator 409 RW OS & Y7092/93/68; Union GV12; Victaulic 702, Hunter BFV, Watts Regulator 409 RW OS & Y7092/93/68; Union GV12; Victaulic 702, Hunter BFV, Watts Revision: 2011 Amended: 10/1/2002, 2/1/200391C Series ball valves Issued: 11/27/2007 Amended: 2/16/2008Victaulic Series 702 Firelock Butterfly Valves Issued: 11/27/2017 Amended: 2/16/20087/22/2015Revision: 2011 Model: 10/1/2002, 2/1/2003Hunter BFV, Watts Revision: 2011 Model: Maxim 200 & Maxim 200N Size: 10 inch Orientation: Horizontal- Vertical Up w/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & 7092/93/68; Union GV12; Victaulic 702, Hunter BFV, Watts Regulator 409 RW OS & Y7092/93/68; Union GV12; Victaulic 702, Hunter BFV, Watts Regulator 409 RW OS & Y7092/93/68; Union GV12; Victaulic 702, Hunter BFV, Watts Regulator 409 RW OS & Y7092/93/61 & Corientation: Horizontal- Vertical Up W/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & T092/93/68; Union GV12; Victaulic 702, Hunter BFV, Watts Regulator 409 RW OS & Y7092/93/68; Union GV12; Victaulic 702, Hunter BFV, Watts Regulator 409 RW OS & Y7092/93/68; Union GV12; Victaulic 702, 2/1/20037122/201 Hunter BFV, Watts Regulator 409 RW OS & Y7092/93/61 & Corientation: Horizontal- Vertical Up W/Renedy KS II Vertical Up Vertical Up Vertical Up Vertical Up Vertical Up Vertical Up Vertical Up Vertical Up/Cov Y7092/93/61 & Corientation: Horizontal- Vertical Up Vertical Up Vertical Up/Cov Y7092/93/61 & Corientation: Horizontal- Vertical Up Vertical Up/Cov Y709	w/Hunter Ball Valves BV			Model GV gate valve &	
; Kennedy 7592/93/61 & 7092/93/68, Watts Regulator 409 RW OS & Y Lsued: 11/12/2001 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: Maxim 200 & Model: Maxim 200 & Maxim 200N Size: 10 inch Orientation: Horizontal- Vertical Up W/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & Revision: 2011 Model: Maxim 200 & Maxim 200N Size: 6 inch Orientation: Horizontal- Vertical Up W/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & T092/93/68; Union GV12; Victaulic 702, Hunter BFV, Watts Regulator 409 RW OS & Y Hunter BFV, Watts Revision	2-1/2,3,4,6,; Clow		91C Series ball valves	Victaulic Series 702	
7092/93/68, Watts Regulator 409 RW OS & YRegulator 409 RW OS & YRegulator 409 RW OS & YAmended: 6/19/2018Model: DC4S Size: 21/2"Issued: 11/12/2001 Amended: 10/1/2002, 2/1/2003Issued: 11/12/2001 Amended: 10/1/2002, 2/1/2003Revision: 2011 Model: DC4ARevision: 2011 Model: DC4AModel: DC4A & Size: 1/2" Orientation: Horizontal- Vertical Up Model: Maxim 200 & Maxim 200N Size: 10 inch Orientation: Horizontal- Vertical Up W/Clow F6104/05/37/38/36/02; Kennedy 7592/93/68; Union GV12; Victaulic 702, Hunter BFV, Watts Regulator 409 RW OS & YRevision: 2011 Model: DC4A Size: 2"Amended: 6/19/2018 Model: DC4A & Size: 1/2" Orientation: Horizontal- Vertical Up W/Clow F6104/05/37/38/36/02; Kennedy 7592/93/68; Union GV12; Victaulic 702, Hunter BFV, Watts Regulator 409 RW OS & YRevision: 2011 Model: DC4A Size: 2"Amended: 6/19/2018 Model: DC4A Size: 2"Model: DC4S Size: 10" Nodel: DC4A Size: 2"7092/93/68; Union GV12; Victaulic 702, Hunter BFV, Watts Regulator 409 RW OS & YRevision: 2011 Model: 11/12/2001 Amended: 10/1/2002, 2/1/2003Revision: 2011 Model: DC4A & Size: 2"Revision: 2011 Model: DC4					
Regulator 409 RW OS & YYRevision: 2011 Model: DC4A Size: 1/2"Revision: 2011 Model: DC4A N & DCLF4AN Size: 1/2"Horizontal - Vertical Up Vertical Up Vertical Up Nddel: Maxim 200 & Maxim 200N Size: 10 inch Orientation: Horizontal - Vertical Up W/ClowRevision: 2011 Model: Maxim 200 & Maxim 200N Size: 10 inch Orientation: Horizontal - Vertical Up W/ClowRevision: 2011 Model: Maxim 200 & Maxim 200N Size: 10 inch Orientation: Horizontal - Vertical Up W/ClowRevision: 2011 Model: DC4A Size: 12"Revision: 2011 Model: DC4A N & DCLF4AN Orientation: Vertical Up - Vertical Down w/ Kennedy model KS- RW gate valves Size: 31Kennedy RS II Issued: 2/26/2008Size: 2 1/2" Model: DC4A Size: 21"Kennedy RS II Issued: 2/26/2008Size: 2 1/2" Model: DC4A Nodel: DC4A S Size: 21"Kennedy RS II Issued: 2/24/1991Size: 211/2" Model: DC4A Size: 2"Kennedy RS II Issued: 4/24/1997Revision: 2011 Model: DC4A Size: 2"Revision: 2011 Model: DC4A Size: 2"Revision: 2011 Model: DC4A S Size: 2"Revision: 2011 Model: DC4A S Size: 2 1/2"Revision: 2011 Model: DC4A S Size: 3"Size: 2 1/2" Size: 2 1/2"Size: 2 1/2" Vertical Up Amended: 1/20/2011Size: 2 1/2" Model: DC4A S Size: 3"Size: 2 1/2" Size: 2 1/2"Size: 2 1/2" Vertical Up Vertical Up/Down w/ Kennedy KS II Issued: 11/12/2001 Amended: 10/1/2002, 2/1/2003Size: 11/27/2007 			Amended: 2/16/2008		
YIssued: 11/12/2001 Amended: 10/1/2002, 2/1/2003Issued: 11/12/2001 Amended: 10/1/2002, 2/1/2003Model: DC4A Size: 1/2" Orientation: Horizontal - Vertical Up w/78,778,77C,918, 91C Series ball valves Issued: 2/26/2008Revision: 2011 Model: DC4AN & DCLF4AN Size: 12" Orientation: Vertical Up - Vertical Down w/ Kennedy model KS- RW gate valves Issued: 5/24/1991Horizontal - Vertical Up w/ Kennedy KS II Issued: 2/26/2008YRevision: 2011 Model: Maxim 200N Size: 10 inch Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & 7092/93/68; Union GV12; Victaulic 702, Hunter BFV, Watts Regulator 409 RW OS & YModel: 10/1/2002, 2/1/2003Model: 0C4A Size: 2"Revision: 2011 Model: DC4A Size: 2"Revision: 2011 Model:		Regulator 409 RW OS &	Pavision: 2011	Amended: 6/19/2018	
Issued: 11/12/2001 Amended: 10/1/2002, 2/1/2003Amended: 10/1/2002, 2/1/2003Size: 1/2" Orientation: Horizontal - Vertical Up W/7B,77B, 77C, 91B, 91C Series ball valves Issued: 2/26/2008Model: DC4AN & DCLF4AN Size: 12"w/ Kennedy KS II Issued: 1/20/2011Revision: 2011 Model: Maxim 200 & Maxim 200N Size: 10 inch Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & 7092/93/68; Union GV12; Victaulic 702, Hunter BFV, Watts Regulator 409 RW OS & YAmended: 10/1/2002, 2/1/2003Size: 1/2" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & YAmended: 10/1/2002, 2/1/2003Size: 1/2" Orientation: Horizontal - Vertical Up W/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & YModel: DC4AN & Size: 2" Orientation: Horizontal - Vertical Up W/7B,77B, 77C, 91B, 91C,775-XT Series ball valvesModel: DC4AN & Nodel: DC4AN & DCLF4AN Size: 21'' Orientation: Horizontal - Vertical Up W/7B,77B, 77C, 91B, 91C,775-XT Series ball valvesModel: DC4AN & Nodel: DC4AN & DCLF4AN Size: 21'' Nodel: DC4AN & DCLF4AN Size: 21/2" Vertical Up/Down w/ Kennedy Model KS-RW Writaulic Series 702 Firelock Butterfly Valves Issued: 11/2/2001 Amended: 10/1/2002, 2/1/2003Model: 11/2/2007 Amended: 10/1/2002, 2/1/2003Model: 11/2/2007 Amended: 10/1/2002, 2/1/2003Model: 120/2011 Amended: 10/1/2002, 2/1/2003Model: 120/2011Issued: 11/2/2001 Amended: 10/1/2002, 2/1/2003Amended: 10/1/2002, 2/1/2003Size: 11/2" Amended: 1/20/201Model: 1/20/201 Amended: 1/20/201Model: 1/20/201 Amended: 1/20/201	v	•		Revision: 2011	
Amended: 10/1/2002, 2/1/20032/1/2003Orientation: Horizontal - Vertical Up w/78,778,77C,91B, 91C Series ball valves Issued: 2/26/2008DCLF4AN Size: 12" Orientation: Vertical Up - Vertical Down w/ Kennedy model KS- RW gate valves Issued: 5/24/1991Issued: 4/24/1997 Amended: 1/20/2011Revision: 2011 Model: Maxim 2008 Size: 10 inch Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02; F022/93/68; Union GV12; Victaulic 702, Hunter BFV, Watts Regulator 409 RW OS & Y Issued: 11/12/2001 Amended: 10/1/2002, 2/1/2003Orientation: Horizontal - Vertical Up W/Series ball Vertical Up W/Series ball Vertical Up Model: 2/16/2008DCLF4AN Size: 21/2" Nodel: DC4AN & DCLF4AN Size: 21/2" Vertical Up/Down w/ Kennedy KS II Issued: 11/27/2007 Amended: 10/1/2002, 2/1/2003Revision: 2011 Model: 2/16/2008Revision: 2011 Model: DC4S Size: 4" Vertical Up/Down w/ Kennedy KS II Issued: 11/27/2007 Amended: 2/16/2008Revis	Issued: 11/12/2001				
2/1/2003Amended: 1/20/2011Revision: 2011 Model: Maxim 200 & Maxim 200N Size: 10 inch Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & 7092/93/68; Union GV12; Victaulic 702, Hunter BFV, Watts Regulator 409 RW OS & Y Issued: 11/12/2001 Amended: 10/1/2002, 2/1/2003Vertical Up w/Fill Up w/Revision: 2011 W/REVISION Size: 6 inch Orientation: Horizontal - W/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & Revision: 2012 W/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & Revision: 2012 Model: 11/12/2001 Amended: 10/1/2002, 2/1/2003Vertical Up w/Revision: 2011 Model: DC4A Vertical Up W/REVISI Nodel: DC4A W/REVISI Nodel: DC4A W/REVISI Nodel: DC4A W/REVISI Nodel: DC4A N& NO2LP3A/68; Union GV12; Victaulic 702, Hunter BFV, Watts Regulator 409 RW OS & Y Lissued: 11/12/2001 Amended: 10/1/2002, 2/1/2003Vertical Up W/REVISI Vertical Up W/REVISI Vertical Up W/REVISI Vertical Up W/REVISI Nodel: 2/16/2008Size: 12" Orientation: Vertical Up W/REVISI Nodel: DC4A Nodel: DC4A Writaulic Series Soll Vertical Up/Down w/ Kennedy Model KS-RW Amended: 2/16/2008Amended: 1/20/2011Revision: 2011 W/REVISI Regulator 409 RW OS & YRevision: 2011 Nodel: 2/16/2008Revision: 2011 Model: DC4AN & DCLF4AN Size: 2 1/2" Vertical Up/Down w/ Kennedy Model KS-RW Amended: 2/16/2008Revision: 2011 Model: DC4AN & DCLF4AN Size: 2 1/2" Vertical Up/Down w/ Kennedy Model KS-RW Amended: 2/16/2008Revision: 2011 Model: DC4AN & DCLF4AN Size: 2 1/2" Vertical Up/Down w/ Kennedy Model KS-RW Amended: 2/16/2008Revision: 2011 Model: DC4AN &					
Revision: 2011 Model: Maxim 200 & Maxim 200NRevision: 2011 Model: Maxim 200NW / 7B,77B, 77C, 91B, 91C Series ball valves Issued: 2/26/2008Orientation: Vertical Up - Vertical Down w/ Kennedy model KS- RW gate valves Issued: 5/24/1991Revision: 2011 Model: DC4S Size: 3"Revision: 2011 Model: DC4S Size: 4"Revision:			Vertical Up	Size: 12"	
Model: Maxim 200 & Maxim 200N Size: 10 inch Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & 7092/93/68; Union GV12; Victaulic 702, Hunter BFV, Watts Regulator 409 RW OS & YIssued: 11/12/2001 Amended: 10/1/2002, 2/1/2003Maxim 200N Size: 6 inch Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & Regulator 409 RW OS & YIssued: 2/26/2008w/ Kennedy model KS- RW gate valves Issued: 5/24/1991 Amended: 6/19/2018Model: DC4S Size: 3" Horizontal - W/ Kennedy Model KS-RW Bisued: 11/27/2007 Amended: 10/1/2002, 2/1/2003Model: DC4A Size: 2"Model: DC4A Nodel: DC4A Size: 2"Model: DC4A Size: 2" Orientation: Horizontal - W/TB,77B,77C, 91B, 91C,77S-XT Series ball valvesModel: DC4AN & Model: DC4AN & DCLF4AN Size: 2 1/2" Vertical Up/Down w/ Kennedy Model KS-RW gate valve or Apollo Model GV gate valve & Victaulic Series 702 Firelock Butterfly Valves Issued: 10/1/2002, 2/1/2003Model: 10/1/2002, 2/1/2003Model: 2/16/2008W/ Kennedy model KS- RW gate valve or Apollo Model GV gate valve & Victaulic Series 702 Firelock Butterfly Valves Issued: 5/24/1991Model: 1/20/2011			w/ 7B,77B, 77C, 91B,		
Maxim 200N Size: 10 inch Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & 7092/93/68; Union GV12; Victaulic 702, Hunter BFV, Watts Regulator 409 RW OS & YSize: 6 inch Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & 7092/93/68; Union GV12; Victaulic 702, Hunter BFV, Watts Regulator 409 RW OS & YSize: 6 inch Orientation: Horizontal - Vertical Up W/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & T092/93/68; Union GV12; Victaulic 702, Hunter BFV, Watts Regulator 409 RW OS & YSize: 2 m PO2/93/68; Union GV12; Victaulic 702, Hunter BFV, Watts Regulator 409 RW OS & YSize: 2 m PO2/93/68; Union GV12; Victaulic 702, Hunter BFV, Watts Regulator 409 RW OS & YSize: 2 m PO2/93/68; Union GV12; Victaulic 702, Hunter BFV, Watts Regulator 409 RW OS & YSize: 11/27/2007 Amended: 10/1/2002, 2/1/2003Revision: 2011 Model: DC4A Size: 2 1/2" Vertical Up Vertical Up/Down w/ Kennedy Model KS-RW gate valve or Apollo Model GV gate valve & Victaulic Series 702 Firelock Butterfly Valves Issued: 1/20/2011Size: 3" Horizontal - Vertical Up W/ Kennedy KS II Issued: 1/20/2011					
Size: 10 inch Orientation: Horizontal - Vertical Up W/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & 7092/93/68; Union GV12; Victaulic 702, Hunter BFV, Watts Regulator 409 RW OS & Y Issued: 11/12/2001 Amended: 10/1/2002, 2/1/2003			issued: 2/26/2008	W/ Kennedy model KS-	
Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & 7092/93/68; Union GV12; Victaulic 702, Hunter BFV, Watts Regulator 409 RW OS & YWodel: DC4A Size: 2"Amended: 6/19/2018w/ Kennedy KS II Issued: 11/27/2007 Amended: 2/16/2008Size: 2W/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & 7092/93/68; Union GV12; Victaulic 702, Hunter BFV, Watts Regulator 409 RW OS & YModel: DC4A Size: 2"Amended: 6/19/2018w/ Kennedy KS II Issued: 11/27/2007 Amended: 2/16/2008Size: 2W/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & CV12; Victaulic 702, Hunter BFV, Watts Regulator 409 RW OS & YModel: DC4A Size: 2 1/2"Revision: 2011 Model: DC4AN & DCLF4AN Size: 2 1/2"Revision: 2011 Model: DC4SSize: 2W/TB,77B, 77C, 91B, 91C,77S-XT Series ball valves91C,77S-XT Series ball valvesSize: 2 1/2" Vertical Up/Down w/ Kennedy Model KS-RW gate valve or Apollo 			Revision: 2011		
Vertical Up w/Clow F6104/05/37/38/36/02; F6104/05/37/38/36/02; Kennedy 7592/93/61 & 7092/93/68; Union GV12; Victaulic 702, Hunter BFV, Watts Regulator 409 RW OS & YSize: 2"Issued: 4/24/1997 Amended: 1/20/2011GV12; Victaulic 702, Hunter BFV, Watts Regulator 409 RW OS & YGv12; Victaulic 702, Hunter BFV, Watts Regulator 409 RW OS & YGv12; Victaulic 702, Hunter BFV, Watts Regulator 409 RW OS & YSize: 21/2" Nodel: DC4AN & Size: 21/2"Revision: 2011 Model: DC4AN & Size: 21/2"Revision: 2011 Model: DC4SSize: 21/2" Vertical Up Valts Regulator 409 RW OS & YHunter BFV, Watts Regulator 409 RW OS & YRegulator 409 RW OS & YSize: 21/2" Nodel: DC4SRevision: 2011 Model: DC4SAmended: 10/1/2002, 2/1/2003Amended: 10/1/2002, 2/1/2003Amended: 10/1/2002, 2/1/2003Amended: 2/16/2008Revision: 2011 Model S-RW Size: 2 1/2"Revision: 2011 Model S-RW Bisued: 11/27/2007 Amended: 2/16/2008					
w/ClowF6104/05/37/38/36/02; Kennedy 7592/93/61 & 7092/93/68; Union GV12; Victaulic 702, Hunter BFV, Watts Regulator 409 RW OS & YF6104/05/37/38/36/02; Kennedy 7592/93/61 & 7092/93/68; Union GV12; Victaulic 702, Hunter BFV, Watts Regulator 409 RW OS & YOrientation: Horizontal - Vertical Up w/ 7B,77B, 77C, 91B, 91C,77S-XT Series ball valvesRevision: 2011 Model: DC4AN & DCLF4AN Size: 2 1/2" Vertical Up/Down w/ Kennedy Model KS-RW gate valve or Apollo Model GV gate valve & Victaulic Series 702 Firelock Butterfly Valves Issued: 10/1/2002, 2/1/2003Amended: 1/20/2011				Milended: 0/15/2010	
F6104/05/37/38/36/02; Kennedy 7592/93/61 & 7092/93/68; Union GV12; Victaulic 702, Hunter BFV, Watts Regulator 409 RW OS & YVertical Up w/ 7B,77B, 77C, 91B, 91C,77S-XT Series ball valvesModel: DC4AN & DCLF4AN Size: 2 1/2" Vertical Up/Down w/ Kennedy Model KS-RW gate valve or Apollo Model GV gate valve & Victaulic 2012, Amended: 10/1/2002, 2/1/2003Renedy 7592/93/61 & 7092/93/68; Union GV12; Victaulic 702, Hunter BFV, Watts Regulator 409 RW OS & YVertical Up w/ 7B,77B, 77C, 91B, 91C,77S-XT Series ball valvesModel: DC4AN & DCLF4AN Size: 2 1/2" Vertical Up/Down w/ Kennedy Model KS-RW gate valve or Apollo Model GV gate valve & Victaulic Series 702 Firelock Butterfly Valves Issued: 5/24/1991Revision: 2011 Model: DC4S Size: 4" Horizontal - Vertical Up Model: 2/16/2008				Revision: 2011	
7092/93/68; Union GV12; Victaulic 702, Hunter BFV, Watts Regulator 409 RW OS & YGV12; Victaulic 702, Hunter BFV, Watts Regulator 409 RW OS & Y91C, 77S-XT Series ball valvesSize: 2 1/2" Vertical Up/Down w/ Kennedy Model KS-RW gate valve or Apollo Model: 10/1/2002, 2/1/2003Model: DC4S Size: 4"Sude: 11/12/2001 Amended: 10/1/2002, 2/1/2003Size: 11/12/2001 Amended: 10/1/2002, 2/1/2003PiC, 77S-XT Series ball valvesSize: 2 1/2" Vertical Up/Down w/ Kennedy Model KS-RW Model GV gate valve or Apollo Model GV gate valve & Victaulic Series 702 Firelock Butterfly Valves Issued: 5/24/1991Model: DC4S Size: 4"	F6104/05/37/38/36/02;	Kennedy 7592/93/61 &	Vertical Up		
GV12; Victaulic 702, Hunter BFV, Watts Regulator 409 RW OS & YHunter BFV, Watts Regulator 409 RW OS & Yvalves Issued: 11/12/2001 Amended: 10/1/2002, 2/1/2003valves Issued: 11/12/2001 Amended: 10/1/2002, 2/1/2003valves Issued: 11/12/2007 Amended: 10/1/2002, 2/1/2003Vertical Up/Down w/ Kennedy Model KS-RW Model KS-RW Model GV gate valve & Vertical Up/Down w/ Kennedy Model KS-RW gate valve or Apollo Model GV gate valve & Victaulic Series 702 Firelock Butterfly Valves Issued: 5/24/1991Size: 4" Horizontal - Vertical Up w/ Kennedy KS II Issued: 1/20/2011	Kennedy 7592/93/61 &			DCLF4AN	
Hunter BFV, Watts Regulator 409 RW OS & YRegulator 409 RW OS & YIssued: 11/27/2007 Amended: 2/16/2008Kennedy Model KS-RW gate valve or Apollo Model GV gate valve & Victaulic Series 702 Firelock Butterfly Valves Issued: 1/20201Horizontal - Vertical Up w/ Kennedy KS II Issued: 4/24/1997 Amended: 1/20/2011				Size: 2 1/2"	
Regulator 409 RW OS & YYAmended: 2/16/2008gate valve or Apollo Model GV gate valve & Victaulic Series 702 Firelock Butterfly Valves Issued: 10/1/2002, 2/1/2003w/ Kennedy KS II Issued: 2/16/2008					
Y Issued: 11/12/2001 Model GV gate valve & Victaulic Series 702 Issued: 4/24/1997 Amended: 10/1/2002, 2/1/2003 2/1/2003 Pirelock Butterfly Valves Issued: 5/24/1991 Issued: 1/20/2011	Regulator ANG RWA OS &				
Issued: 11/12/2001 Amended: 10/1/2002, Victaulic Series 702 Amended: 1/20/2011 Amended: 10/1/2002, 2/1/2003 2/1/2003 Firelock Butterfly Valves Issued: 5/24/1991			Amenueu. 2/10/2008		
Amended: 10/1/2002, 2/1/2003 Firelock Butterfly Valves 2/1/2003 Issued: 5/24/1991	•				
2/1/2003 Issued: 5/24/1991	Amended: 10/1/2002,			Firelock Butterfly Valves	
Amended: 6/19/2018					
				Amended: 6/19/2018	
		l	l	Ι	I

Revision: 2011	Revision: 2011	Revision: 2011	Victaulic Series 702	ARI Flow Control
Model: DC4S Size: 6"	Model: DC4S-N	Model: DCLF4A Size: 12"	Firelock Butterfly Valves	Accessories
Horizontal - Vertical Up	Size: 10" Horizontal & Vertical up	Orientation: Horizontal	Issued: 5/24/1991 Amended: 6/19/2018	Revision: 2011 Model: DC 500, DC 501
w/ Kennedy KS II	w/ Kennedy KS II & 90°	w/ Kennedy model KS-	, included: 0, 19, 2010	Size: 1/2, 3/4, 1 inch
Issued: 4/24/1997	elbows	RW gate valves	Revision: 2011	Orientation: Horizontal
Amended: 1/20/2011	Issued: 3/13/2001	Issued: 5/24/1991	Model: DCLF4A Size: 8"	w/ ARI HC262 Ball Valve;
Revision: 2011	Amended: 1/20/2011	Amended: 6/19/2018	Horizontal & Vertical Up	ARI Plasson Nylon Ball Valve
Model: DC4S	Revision: 2011	Revision: 2011	w/ Kennedy Model KS-	Issued: 3/14/2006
Size: 8"	Model: DC4S-N	Model: DCLF4A	RW gate valve or Apollo	Amended: 6/20/2018,
Horizontal - Vertical Up w/ Kennedy KS II	Size: 8" Vertical Up/Vertical	Size: 2 1/2" Orientation: Horizontal -	Model GV gate valve & Victaulic Series 702	8/6/2018
Issued: 2/23/2000	Down w/ 90° elbows &	Vertical Up	Firelock Butterfly Valves	Revision: 2011
Amended: 1/20/2011	Kennedy KS II	w/ Kennedy Model KS-	Issued: 5/24/1991	Model: DC 500, DC 501
D 11 D 11	Issued: 2/23/2000	RW gate valve or Apollo	Amended: 6/19/2018	Size: 1-1/4, 1-1/2, 2 inch
Revision: 2011 Model: DC4SG	Amended: 1/20/2011	Model GV gate valve & Victaulic Series 702	Revision: 2011	Orientation: Horizontal w/ ARI HC262 Ball Valve;
Size: 2 1/2"	Revision: 2011	Firelock Butterfly Valves	Model: DCLF4S	ARI Plasson Nylon Ball
Horizontal - Vertical Up -	Model: DCLF4A	Issued: 5/24/1991	Size: 1/2"	Valve
w/ Victaulic Series 702	Size: 1 1/2"	Amended: 6/19/2018	Horizontal, Vertical	Issued: 3/14/2006
Butterfly Valve & Kennedy KS II or Apollo	Orientation: Horizontal - Vertical Up	Revision: 2011	Down & Vertical Up w/ Apollo 77BLF/77CLF Ball	Amended: 6/20/2018, 8/6/2018
Model GV gate valve	w/ 77BLF, 77CLF, 91BLF,	Model: DCLF4A	Valves	0,0,2010
Issued: 4/17/2007	91CLF,77SLF-XT Series	Size: 2"	Issued: 3/16/2011	Backflow Direct, LLC
Amended: 1/20/2011, 7/22/2015	ball valves Issued: 4/15/2008	Orientation: Horizontal - Vertical Up	Revision: 2011	Revision: 2011 Model: Deringer 20[G] /
//22/2013	Amended: 5/7/2009,	w/ 77BLF, 77CLF, 91BLF,	Model: DCLF4SG	Magnum 20[G]
Revision: 2011	5/28/2009	91CLF,77SLF-XT Series	Size: 2 1/2"	Size: 2 1/2"
Model: DC4SG	Devision 2011	ball valves	Horizontal - Vertical Up -	Orientation: Horizontal -
Size: 3" Horizontal - Vertical Up -	Revision: 2011 Model: DCLF4A	Issued: 2/16/2008 Amended: 5/7/2009,	w/ Victaulic Series 702 Butterfly Valve &	Vertical Up Integral SOVs-Deringer
w/ Victaulic Series 702	Size: 1 1/4"	5/28/2009	Kennedy KS II or Apollo	with Tamper
Butterfly Valve &	Orientation: Horizontal -		Model GV gate valve	Switches/Magnum
Kennedy KS II or Apollo	Vertical Up	Revision: 2011	Issued: 5/24/1991	WITHOUT Tamper
Model GV gate valve Issued: 4/17/2007	w/ 77BLF, 77CLF, 91BLF, 91CLF Series ball valves	Model: DCLF4A Size: 3"	Amended: 7/22/2015	Switches [G] Gate SOVs- NRS/OS&Y
Amended: 1/20/2011,	Issued: 4/15/2008	Orientation: Horizontal -	Revision: 2011	Issued: 1/23/2015
7/22/2015	Amended: 5/7/2009,	Vertical Up	Model: DCLF4SG	Amended: 5/29/2015,
Revision: 2011	5/28/2009	w/ Kennedy Model KS- RW gate valve or Apollo	Size: 3" Horizontal - Vertical Up -	4/13/2018
Model: DC4SG	Revision: 2011	Model GV gate valve &	w/ Victaulic Series 702	Revision: 2011
Size: 4"	Model: DCLF4A	Victaulic Series 702	Butterfly Valve &	Model: Deringer 20[G] /
Horizontal - Vertical Up -	Size: 1"	Firelock Butterfly Valves	Kennedy KS II or Apollo	Magnum 20[G] Size: 3"
w/ Victaulic Series 702 Butterfly Valve &	Orientation: Horizontal - Vertical Up	Issued: 5/24/1991 Amended: 6/19/2018	Model GV gate valve Issued: 5/24/1991	Orientation: Horizontal -
Kennedy KS II or Apollo	w/ 77BLF, 77CLF, 91BLF,	, included: 0/15/2010	Amended: 7/22/2015	Vertical Up
Model GV gate valve	91CLF Series ball valves	Revision: 2011		Integral SOVs-Deringer
Issued: 4/17/2007 Amended: 1/20/2011,	Issued: 2/16/2008 Amended: 5/7/2009,	Model: DCLF4A Size: 3/4"	Revision: 2011 Model: DCLF4SG	with Tamper Switches/Magnum
7/22/2015	5/28/2009	Orientation: Horizontal -	Size: 4"	WITHOUT Tamper
		Vertical Up	Horizontal - Vertical Up -	Switches [G] Gate SOVs-
Revision: 2011	Revision: 2011	w/ 77BLF, 77CLF, 91BLF,	w/ Victaulic Series 702	NRS/OS&Y
Model: DC4SG Size: 6"	Model: DCLF4A Size: 1/2"	91CLF Series ball valves Issued: 2/16/2008	Butterfly Valve & Kennedy KS II or Apollo	Issued: 1/23/2015 Amended: 4/13/2018
Horizontal - Vertical Up -	Orientation: Horizontal -	Amended: 5/7/2009,	Model GV gate valve	
w/ Victaulic Series 702	Vertical Up	5/28/2009	Issued: 5/24/1991	Revision: 2011
Butterfly Valve & Kennedy KS II or Apollo	w/ 77BLF, 77CLF, 91BLF, 91CLF Series ball valves	Revision: 2011	Amended: 7/22/2015	Model: Deringer 20[G] / Magnum 20[G]
Model GV gate valve	Issued: 2/26/2008	Model: DCLF4A	Revision: 2011	Size: 4"
Issued: 4/17/2007	Amended: 5/7/2009,	Size: 4"	Model: DCLF4SG	Orientation: Horizontal -
Amended: 1/20/2011,	5/28/2009	Horizontal & Vertical Up	Size: 6"	Vertical Up
7/22/2015	Revision: 2011	w/ Victualic 702 Firelock Butterfly Valves or	Horizontal - Vertical Up - w/ Victaulic Series 702	Integral SOVs-Deringer with Tamper
Revision: 2011	Model: DCLF4A	Kennedy KS-RW Gate	Butterfly Valve &	Switches/Magnum
Model: DC4SG	Size: 10"	Valves or Apollo Model	Kennedy KS II or Apollo	WITHOUT Tamper
Size: 8" Horizontal - Vertical Up -	Orientation: Horizontal w/ Kennedy Model KS-	GV gate valve Issued: 5/24/1991	Model GV gate valve Issued: 5/24/1991	Switches [G] Gate SOVs- NRS/OS&Y
w/ Victaulic Series 702	RW gate valve or Apollo	Amended: 6/19/2018	Amended: 7/22/2015	Issued: 1/23/2015
Butterfly Valve &	Model GV gate valve &			Amended: 4/13/2018
Kennedy KS II or Apollo Model GV gate valve	Victaulic Series 702 Firelock Butterfly Valves	Revision: 2011 Model: DCLF4A		
Issued: 4/17/2007	Issued: 5/24/1991	Size: 6"		
Amended: 1/20/2011,	Amended: 6/19/2018	Horizontal & Vertical Up		
7/22/2015		w/ Kennedy Model KS-		
		RW gate valve or Apollo Model GV gate valve &		
ASSE Seal Authorizations	- January 23, 2019		I	Page 39

Revision: 2011 Revision: 2011 Revision: 2011 Revision: 2011 Revision: 2011 Model: Deringer 20[G] / Model: Deringer 30[G]X Model: FDC Model: 805YB & Model: 850, LF850 LF805YB Magnum 20[G] Size: 6" Size: 3/4" Size: 10 inch Size: 3/4 inch Orientation: Horizontal -Size: 8' Orientation: Horizontal -Horizontal & Vertical Up Orientation: Horizontal -Orientation: Horizontal -Vertical Up w/ FDC ball valve - 3/4 Vertical Up Integral SOVs or [G] Vertical Up Issued: 2/17/2010 Vertical Up w/Kennedy KS II or Kennedy flange by groove OS&Y, Watts 405-RW NRS Series, Integral SOVs-Deringer NRS/OS&Y Gate SOVs Amended: 5/9/2011, w/Febco 622 BV-QT, with Tamper Switches/Magnum **Includes Detector** 8/15/2012 **KeyGuard SOV** Issued: 7/8/1981 **Bypass** WITHOUT Tamper Issued: 1/23/2015 Revision: 2011 Amended: 3/4/2008, Watts 409 OSY Series, Switches [G] Gate SOVs-NRS/OS&Y Model: FDC Size: 4" 10/28/2008, 7/11/2012 Amended: 12/12/2018 **Kennedy Series** 7092ABF-OSY Issued: 3/17/2016 **BEECO** (division of Orientation: Horizontal Revision: 2011 LF option replaces Amended: 4/13/2018, Model: 850 & LF850 Size: 1 1/2 inch Horizontal, Vertical Up & MIFAB, Inc.) Vertical Up bronze internal w/ BEECO GV4.00 gate 11/28/2018 Revision: 2011 components with Model: FDC valve stainless steel Revision: 2011 Issued: 2/17/2010 down w/ FEBCO 621 & Issued: 3/24/1992 Size: 1 1/2 509, KeyGuard SOV Issued: 8/28/2016 Model: Deringer 20[G]X Horizontal & Vertical Up Amended: 7/31/2017 Amended: 2/9/2006, w/ FDC ball valve - 1 1/2" 9/6/2012 / Magnum 20[G]X Amended: 3/4/2008, 10/28/2008, 7/11/2012 Size: 6 Revision: 2011 lssued: 2/17/2010 Amended: 5/9/2011, Revision: 2011 Model: 850, LF850 Orientation: Horizontal -Model: FDC Vertical Up Size: 6' Integral SOVs-Deringer 8/15/2012 Orientation: Horizontal -Revision: 2011 Size: 2-1/2 inch with Tamper Switches/Magnum WITHOUT Tamper Model: 850 & LF850 Orientation: Horizontal -Vertical Up Revision: 2011 w/ BEECO GV6.00 gate Size: 1 1/4 inch Vertical Up H, VUVU w/Kennedy KS Model: FDC valve Horizontal, Vertical Up & II or Kennedy flange by groove OS&Y , Watts 405-RW NRS Series, Switches [G] Gate SOVs-Issued: 2/17/2010 down w/ FEBCO 621 & Size: 1 1/4' NRS/OS& Horizontal & Vertical Up 509 Gate Valve, w/ FDC ball valve - 1 1/4" KeyGuard SOV Issued: 3/17/2016 FEBCO, a Watts Amended: 4/13/2018, **Regulator Company** Issued: 8/28/2016 Watts 409 OSY Series, Issued: 2/17/2010 Amended: 5/9/2011, Amended: 3/4/2008, 10/28/2008, 7/11/2012 Kennedy Series 7092ABF-OSY 11/28/2018 Revision: 2011 Model: 805Y & LF805Y 8/15/2012 LF option replaces Revision: 2011 Size: 1 inch Model: Deringer 30[G] Orientation: Horizontal Revision: 2011 bronze internal Model: 850 & LF850 Size: 2 1/2 Revision: 2011 w/Febco 622 BV-QT, components wth Orientation: Horizontal -Model: FDC KeyGuard SOV Size: 1 inch stainless steel Horizontal, Vertical Up & Vertical Up Size: 1 Issued: 7/8/1981 This model updated to ASSE 1015-2011 Issued: 3/24/1992 Amended: 2/9/2006, Integral SOVs or [G] NRS/OS&Y Gate SOVs Amended: 3/4/2008, 10/28/2008, 7/11/2012 down w/ FEBCO 621 & 509 Gate Valve, Horizontal & Vertical Up w/ FDC ball valve - 1 Includes Detector Issued: 2/17/2010 KeyGuard SOV Amended: 5/9/2011, Issued: 7/8/1981 Amended: 3/4/2008 9/6/2012, 12/12/2012, Revision: 2011 Bypass. Issued: 1/23/2015 8/15/2012 Model: 805Y & LF805Y 8/28/2016 Size: 1-1/2 inch 10/28/2008, 7/11/2012 Revision: 2011 Revision: 2011 **Orientation: Horizontal** Revision: 2011 w/Febco 622 BV-QT, KeyGuard SOV Model: Deringer 30[G] Size: 3" Model: FDC Revision: 2011 Model: 850, LF850 Model: 850 & LF850 Size: 2 1/2" Size: 3 inch Orientation: Horizontal -Orientation: Horizontal -Issued: 7/8/1981 Size: 1/2 inch Orientation: Horizontal -Vertical Up Amended: 3/4/2008, 10/28/2008, 7/11/2012 Horizontal, Vertical Up & Down w/ FEBCO 621 & Vertical Up H, VUVU w/Kennedy KS Vertical Up Integral SOVs or [G] w/ BEECO GV2.50 gate II or Kennedy flange by groove OS&Y , Watts 405-RW NRS Series, NRS/OS&Y Gate SOVs valve 509 Gate Valve, Issued: 2/17/2010 **Includes** Detector Revision: 2011 **KeyGuard SOV** Amended: 7/31/2017 Model: 805Y & LF805Y Issued: 7/8/1981 Bypass. Watts 409 OSY Series, Amended: 3/4/2008, Issued: 1/23/2015 Size: 2 inch Kennedy Series 7092ABF-OSY Revision: 2011 **Orientation: Horizontal** 10/28/2008, 7/11/2012 Revision: 2011 w/Febco 622 BV-QT, Model: FDC Size: 2" KeyGuard SOV Model: Deringer 30[G] Revision: 2011 LF option replaces Size: 4" Horizontal & Vertical Up Issued: 7/8/1981 Model: 850 & LF850 bronze internal w/ FDC ball valve - 2 Issued: 2/17/2010 Orientation: Horizontal -Amended: 3/4/2008, components wth Size: 2 inch Vertical Up 10/28/2008, 7/11/2012 Horizontal, Vertical Up & stainless steel Integral SOVs or [G] Amended: 5/9/2011, down w/ FEBCO 621 & This model updated to 509 Gate Valve, NRS/OS&Y Gate SOVs 8/15/2012 Revision: 2011 ASSE 1015-2011 Model: 805Y & LF805Y Size: 3/4 inch **Includes** Detector KeyGuard SOV Issued: 3/24/1992 Issued: 7/8/1981 Amended: 2/9/2006 Revision: 2011 Bypass. Amended: 3/4/2008, 10/28/2008, 7/11/2012 Issued: 3/8/2016 Model: FDC Orientation: Horizontal 9/6/2012, 12/12/2012, w/Febco 622 BV-QT, Size: 3' 8/28/2016 Revision: 2011 Orientation: Horizontal -**KeyGuard SOV** Model: Deringer 30[G] Vertical Up Issued: 7/8/1981 Revision: 2011 Revision: 2011 Amended: 3/4/2008, 10/28/2008, 7/11/2012 w/ BEECO GV3.00 gate Model: 850 & LF850 Size: 8' Model: 850, LF850 Orientation: Horizontal valve Size: 3/4 inch Size: 4 inch Vertical Up Issued: 2/17/2010 Horizontal, Vertical Up & Orientation: Horizontal -Integral SOVs or [G] Amended: 7/31/2017 down w/ FEBCO 621 & Vertical Up NRS/OS&Y Gate SOVs 509 Gate valve, H, VUVU w/Kennedy KS II or Kennedy flange by groove OS&Y, , Watts **Includes Detector KeyGuard SOV** Bypass. Issued: 7/8/1981 Amended: 3/4/2008, Issued: 1/23/2015 405-RW NRS Series, 10/28/2008, 7/11/2012 Amended: 12/12/2018 Watts 409 OSY Series,

Kennedy Series	Revision: 2011	Revision: 2011	Revision: 2011	Revision: 2011
7092ABF-OSY	Model: 850U & LF850U	Model: 870V	Model: LF870V	Model: LF870V
LF option replaces	Size: 1 1/2 inch	Size: 2-1/2 inch	Size: 10 inch	Size: 6 inch
bronze internal	Horizontal, Vertical Up &	Orientation: Horizontal	Orientation: Horizontal -	Orientation: Vertical Up
components wth stainless steel	down w/ FEBCO 621 & 509 Gate Valve	w/Kennedy KS II or	Vertical Down	- Vertical Down
This model updated to	Issued: 7/8/1981	Kennedy flange by	VUVU, VUVD. w/Kennedy KS II or	VUVU, VUVD. w/Kennedy KS II or
ASSE 1015-2011	Amended: 3/4/2008,	groove OS&Y, Watts 405-RW NRS Series,	Kennedy flange by	Kennedy flange by
Issued: 3/24/1992	10/28/2008, 7/11/2012	Watts 409 OSY Series,	groove OS&Y, Watts	groove OS&Y, Watts
Amended: 2/9/2006,	10/20/2000, //11/2012	Kennedy Series	405-RW NRS Series,	405-RW NRS Series,
9/6/2012, 12/12/2012,	Revision: 2011	7092ABF-OSY	Watts 409 OSY Series,	Watts 409 OSY Series,
8/28/2016	Model: 850U & LF850U	Issued: 7/13/1993	Kennedy Series	Kennedy Series
	Size: 1 1/4 inch	Amended: 2/9/2006,	7092ABF-OSY	7092ABF-OSY
Revision: 2011	Horizontal, Vertical Up &	10/17/2012	Issued: 7/13/1993	Issued: 7/13/1993
Model: 850, LF850	down w/ FEBCO 621 &	Devision, 2011	Dovision, 2011	Amended: 6/1/2016
Size: 6 inch Orientation: Horizontal -	509 Gate Valve Issued: 7/8/1981	Revision: 2011 Model: 870V	Revision: 2011 Model: LF870V	Revision: 2011
Vertical Up	Amended: 3/4/2008,	Size: 3 inch	Size: 2-1/2 inch	Model: LF870V
H, VUVU w/Kennedy KS	10/28/2008, 7/11/2012	Orientation: Horizontal	Orientation: Vertical Up	Size: 8 inch
II or Kennedy flange by		w/Kennedy KS II or	- Vertical Down	Orientation: Vertical Up
groove OS&Y, Watts	Revision: 2011	Kennedy flange by	VUVU, VUVD.	- Vertical Down
405-RW NRS Series,	Model: 850U & LF850U	groove OS&Y, Watts	w/Kennedy KS II or	VUVU, VUVD.
Watts 409 OSY Series,	Size: 1 inch	405-RW NRS Series,	Kennedy flange by	w/Kennedy KS II or
Kennedy Series	Horizontal, Vertical Up &	Watts 409 OSY Series,	groove OS&Y, Watts	Kennedy flange by
7092ABF-OSY LF option replaces	down w/ FEBCO 621 & 509 Gate Valve	Kennedy Series 7092ABF-OSY	405-RW NRS Series, Watts 409 OSY Series,	groove OS&Y, Watts 405-RW NRS Series,
bronze internal	Issued: 7/8/1981	Issued: 7/13/1993	Kennedy Series	Watts 409 OSY Series.
components wth	Amended: 3/4/2008,	Amended: 2/9/2006,	7092ABF-OSY	Kennedy Series
stainless steel	10/28/2008, 7/11/2012	10/17/2012	Issued: 7/13/1993	7092ABF-OSY
This model updated to			Amended: 6/1/2016	Issued: 7/13/1993
ASSE 1015-2011	Revision: 2011	Revision: 2011		Amended: 6/1/2016
Issued: 3/24/1992	Model: 850U & LF850U	Model: 870V	Revision: 2011	
Amended: 2/9/2006,	Size: 1/2 inch	Size: 4 inch	Model: LF870V	Neptune Technology
9/6/2012, 12/12/2012, 8/28/2016	Horizontal, Vertical Up &	Orientation: Horizontal	Size: 3 inch Orientation: Vertical Up	Group Inc Revision: 2011
8/28/2010	down w/ FEBCO 621 & 509 Gate Valve	w/Kennedy KS II or Kennedy flange by	- Vertical Down	Model: T-10 meter w/
Revision: 2011	Issued: 7/8/1981	groove OS&Y, Watts	VUVU, VUVD.	Double Check Backflow
Model: 850, LF850	Amended: 3/4/2008,	405-RW NRS Series,	w/Kennedy KS II or	BF1
Size: 8 inch	10/28/2008, 7/11/2012	Watts 409 OSY Series,	Kennedy flange by	Size: 1/2 inch
Orientation: Horizontal -		Kennedy Series	groove OS&Y, Watts	Orientation: Horizontal
Vertical Up	Revision: 2011	7092ABF-OSY	405-RW NRS Series,	shut-off integral part of
H, VUVU w/Kennedy KS	Model: 850U & LF850U	Issued: 7/13/1993	Watts 409 OSY Series,	valve
II or Kennedy flange by	Size: 2 inch Horizontal, Vertical Up &	Amended: 2/9/2006, 10/17/2012	Kennedy Series 7092ABF-OSY	Issued: 7/26/1994
groove OS&Y , Watts 405-RW NRS Series,	down w/ FEBCO 621 &	10/17/2012	Issued: 7/13/1993	Amended: 8/30/2001, 12/16/2010, 5/31/2011,
Watts 409 OSY Series,	509 Gate Valve	Revision: 2011	Amended: 6/1/2016	8/15/2012, 8/17/2012
Kennedy Series	Issued: 7/8/1981	Model: 870V		
7092ABF-OSY	Amended: 3/4/2008,	Size: 6 inch	Revision: 2011	Watts Regulator
LF option replaces	10/28/2008, 7/11/2012	Orientation: Horizontal	Model: LF870V	Company
bronze internal	Devision: 2011	w/Kennedy KS II or	Size: 4 inch	Revision: 2011
components wth stainless steel	Revision: 2011 Model: 850U & LF850U	Kennedy flange by groove OS&Y, Watts	Orientation: Vertical Up - Vertical Down	Model: (LF) 007M1FP (PC)
This model updated to	Size: 3/4 inch	405-RW NRS Series,	VUVU, VUVD.	Size: 1"
ASSE 1015-2011	Horizontal, Vertical Up &	Watts 409 OSY Series,	w/Kennedy KS II or	Horizontal-Vertical up
Issued: 3/24/1992	down w/ FEBCO 621 &	Kennedy Series	Kennedy flange by	w/ Watts FBV-FP(-E)
Amended: 2/9/2006,	509 Gate Valve	7092ABF-OSY	groove OS&Y, Watts	Issued: 10/27/2009
9/6/2012, 12/12/2012,	Issued: 7/8/1981	Issued: 7/13/1993	405-RW NRS Series,	
8/28/2016	Amended: 3/4/2008,	Amended: 2/9/2006,	Watts 409 OSY Series,	Revision: 2011
Revision: 2011	10/28/2008, 7/11/2012	10/17/2012	Kennedy Series 7092ABF-OSY	Model: (LF) 007M1FP (PC)
Model: 850-F & LF850-F	Revision: 2011	Revision: 2011	Issued: 7/13/1993	Size: 2"
Size: 3/4 inch	Model: 870V	Model: 870V	Amended: 6/1/2016	Horizontal-Vertical up
Horizontal & Vertical up	Size: 10 inch	Size: 8 inch		w/ Watts FBV-FP(-E)
w/ FEBCO 621, KeyGuard	Orientation: Horizontal -	Orientation: Horizontal		Issued: 10/27/2009
SOV	Vertical Up	w/Kennedy KS II or		(P)
Issued: 7/8/1981	w/Kennedy KS II or	Kennedy flange by		Revision: 2011
Amended: 3/4/2008,	Kennedy flange by	groove OS&Y, Watts		Model: (LF) 007M1FP
10/28/2008, 7/11/2012	groove OS&Y , Watts 405-RW NRS Series,	405-RW NRS Series, Watts 409 OSY Series,		(PC) Size: 3/4"
	Watts 409 OSY Series,	Kennedy Series		Horizontal-Vertical up
	Kennedy Series	7092ABF-OSY		w/ Watts FBV-FP(-E)
	7092ABF-OSY	Issued: 7/13/1993		Issued: 10/27/2009
	Issued: 7/13/1993	Amended: 2/9/2006,		
	Amended: 2/9/2006	10/17/2012		
	I	I	I	I

Revision: 2011	Revision: 2011	(6080-E)-QT, KeyGuard	Revision: 2011	Watts Regulator 409 RW
Model: (LF) 007M2FP	Model: 007M1QT (LF)	SOV	Model: 709 (LF) (SR) &	OS & Y
(PC)	007M1QT (PC)	Issued: 3/13/1995	(LF) 709	Issued: 6/3/1997
Size: 1 1/2"	Size: 1 inch	Amended: 1/21/2008,	Size: 3 inch	Amended: 2/21/2006,
Horizontal, Vertical Up	Orientation: Horizontal -	10/28/2008	Horizontal, Vertical	10/28/2011
w/ Watts FBV-FP(-E)	Vertical Up	D	Down, Vertical Up - w/	
Issued: 10/27/2009	w/ Watts FBV & FBV(E)-	Revision: 2011	Watts 405 RW, Watts	Revision: 2011
D :: 2011	QT, Watt Series 6080 &	Model: 007M3-QT &	408-OSY, Clow R/W	Model: 719 QT (LF-719-
Revision: 2011	(6080-E)-QT, KeyGuard	LF007M3-QT	F6102NRS, Clow R/W	QT) w/ Watts FBV-E,
Model: (LF) 007M2FP	SOV	Size: 3/4 inch	F6136-OSY, American	FBV, KeyGuard SOV &
(PC)	Issued: 3/13/1995	Orientation: Horizontal -	Flow Control (Waterous)	U719 QT (LF-U719-QT)
Size: 1 1/4"	Amended: 1/21/2008,	Vertical Up	Series 500 NRS & OSY,	w/ Watts FBV-E, FBV
Horizontal, Vertical	10/28/2008	w/ Watts FBV (FBV-E)-QT & Watts Series 6080	Kennedy Ken Seal II NRS	Size: 1 1/2 inch
Down, Vertical Up w/	Povision, 2011		& OSY, Stockham G-610-	Horizontal, Vertical Up
Watts FBV-FP(-E)	Revision: 2011	(6080-E)-QT, KeyGuard SOV	OSY Issued: 6/3/1997	and Vertical Down
Issued: 10/27/2009	Model: 007M1QT (LF) 007M1QT (PC)	307	Amended: 2/21/2006,	(horizontal & vertical up also listed to 1015F)
Revision: 2011	Size: 2 inch	Issued: 3/13/1995	10/28/2011	Issued: 9/29/2004
Model: (LF) 007M2FP	Orientation: Horizontal -	Amended: 1/21/2008,	10/20/2011	Amended: 2/21/2006,
(PC)	Vertical Up	10/28/2008, 7/11/2012	Revision: 2011	10/28/2008
Size: 3/4"	w/ Watts FBV & FBV(E)-	10/20/2000, //11/2012	Model: 709 (LF) (SR) &	10/20/2000
Horizontal, Vertical	QT, Watt Series 6080 &	Revision: 2011	(LF) 709	Revision: 2011
Down, Vertical Up w/	(6080-E)-QT, KeyGuard	Model: 007QT (PC) (LF)	Size: 4 inch	Model: 719 QT (LF-719-
Watts FBV-FP(-E)	SOV	Size: 1/2 inch	Orientation: Horizontal -	QT) w/ Watts FBV-E,
Issued: 10/27/2009	Issued: 3/13/1995	Orientation: Horizontal -	Vertical Up	FBV, KeyGuard SOV &
135464. 10/27/2005	Amended: 1/21/2008,	Vertical Up	w/ Watts 408, Watts	U719 QT (LF-U719-QT)
Revision: 2011	10/28/2008	w/ Watts FBV & FBV(E)-	RW, Watts 408-OSY,	w/ Watts FBV-E, FBV
Model: 007 (LF)	10/20/2000	QT, Watt Series 6080 &	Clow R/W F6102-NRS,	Size: 1 1/4 inch
Size: 2 1/2 inch	Revision: 2011	(6080-E)-QT, KeyGuard	Clow R/W F6136-OSY,	Horizontal, Vertical Up
Orientation: Horizontal	Model: 007M1QT (LF)	SOV	American Flow Control	and Vertical Down
Vertical Down & Vertical	007M1QT (PC)	Issued: 3/13/1995	(waterous Series 500	Issued: 9/29/2004
Up w/ Watts 405 RW,	Size: 3/4 inch	Amended: 1/21/2008,	NRS & OSY, Kennedy Ken	Amended: 2/21/2006,
Watts408-OSY, Clow	Orientation: Horizontal -	10/28/2008	Seal II NRS & OSY,	10/28/2008
R/W F6102-NRS, Clow	Vertical Up	., .,	Stockham G-610-OSY,	-, -,
R/W F6136-OSY,	w/ Watts FBV & FBV(E)-	Revision: 2011	Watts Regulator 409 RW	Revision: 2011
Ámerican Flow	QT, Watt Series 6080 &	Model: 709 (LF) (SR) &	OS&Y	Model: 719 QT (LF-719-
(Waterous) Series 500	(6080-E)-QT, KeyGuard	(LF) 709	Issued: 6/3/1997	QT) w/ Watts FBV-E,
NRS & OSY, Kennedy Ken	ŠOV	Size: 10 inch	Amended: 2/21/2006,	FBV, KeyGuard SOV &
Seal II NRS & OSY,	Issued: 3/13/1995	Orientation: Horizontal -	10/28/2011	U719 QT (LF-U719-QT)
Stockham G610-OSY,	Amended: 1/21/2008,	Vertical Up		w/ Watts FBV-E, FBV
Watts Regulator 409 RW	10/28/2008	w/ Clow F6136-R/W OS	Revision: 2011	Size: 1 inch
OS& Y - Flange gaskets		&Y, 405 RW, Watts 408	Model: 709 (LF) (SR) &	Horizontal, Vertical Up
used in conjunction with	Revision: 2011	OSY, Clow R/W F6102-	(LF) 709	and Vertical Down
o-rings to seal gate	Model: 007M2QT (LF)	NRS, American Flow	Size: 6 inch	Issued: 9/29/2004
valves to body	(PC)	Control (Waterous)	Orientation: Horizontal -	Amended: 2/21/2006,
Issued: 3/13/1995	Size: 1 1/2 inch	Series 500 NRS & OSY,	Vertical Up	10/28/2008
Amended: 1/21/2008,	Orientation: Horizontal -	Kennedy Ken Seal II NRS	w/ Stockham G-610R/W,	
10/28/2008, 9/9/2009	Vertical Up	& OSY, Stockham G-610-	Watts 405-RW, Watts	Revision: 2011
D	w/ Watts FBV (FBV-E)-QT		408-OSY, Clow R/W	Model: 719 QT (LF-719-
Revision: 2011	& Watts Series 6080	409 RW OS& Y	F6102-NRS, Clow R/W	QT) w/ Watts FBV-E,
Model: 007 (LF)	(6080-E)-QT, KeyGuard	Issued: 6/3/1997	F6136-OSY, American	FBV, KeyGuard SOV &
Size: 3 inch	SOV	Amended: 2/21/2006,	Flow Control (Waterous)	U719 QT (LF-U719-QT)
Orientation: Horizontal Vertical Down & Vertical	Issued: 3/13/1995 Amended: 1/21/2008,	10/28/2011	Series 500 NRS & OSY,	w/ Watts FBV-E, FBV Size: 1/2 inch
		Revision: 2011	Kennedy Ken Seal II NRS	Horizontal, Vertical Up
Up w/ Watts 405 RW, Watts408-OSY, Clow	10/28/2008	Model: 709 (LF) (SR) &	& OSY, Stockham G-610- OSY, Watts Regulator	and Vertical Down
R/W F6102-NRS, Clow	Revision: 2011	(LF) 709	409 RW OS & Y	Issued: 9/29/2004
R/W F6136-OSY,	Model: 007M2QT (LF)	Size: 2 1/2 inch	Issued: 6/3/1997	Amended: 2/21/2006,
American Flow	(PC)	Horizontal, Vertical	Amended: 2/21/2006,	10/28/2008
(Waterous) Series 500	Size: 1 1/4"	Down, Vertical Up - w/	10/28/2011	
NRS & OSY, Kennedy Ken	Horizontal - Vertical	Watts 405 RW, Watts		Revision: 2011
Seal II NRS & OSY,	Down & Vertical Up w/	408-OSY, Clow R/W	Revision: 2011	Model: 719 QT (LF-719-
Stockham G610-ÓSY,	Watts FBV & FBV(E),	F6102NRS, Clow R/W	Model: 709 (LF) (SR) &	QT) w/ Watts FBV-E,
Watts Regulator 409 RW	Watts 6080 (6080-É)-QT,	F6136-OSY, American	(LF) 709	FBV, KeyGuard SOV &
OS& Y - Flange gaskets	KeyGuard SOV	Flow Control (Waterous)	Sizé: 8 inch	U719 QT (LF-U719-QT)
used in conjunction with	Issued: 3/13/1995	Series 500 NRS & OSY,	Orientation: Horizontal -	w/ Watts FBV-E, FBV
o-rings to seal gate	Amended: 1/21/2008,	Kennedy Ken Seal II NRS	Vertical Up	Size: 2 inch
valves to body	10/28/2008	& OSY, Śtockham G-610-	w/Watts 408, Watts RW,	Horizontal, Vertical Up
Issued: 3/13/1995		OSY	Watts 408-OSY, Clow	and Vertical Down
Amended: 1/21/2008,	Revision: 2011	Issued: 6/3/1997	R/W F6102-NRS, Clow	(horizontal & vertical up
10/28/2008, 9/9/2009	Model: 007M2QT (LF)	Amended: 2/21/2006,	R/W F6136-OSY,	also listed to 1015F)
	(PC)	10/28/2011	American Flow Control,	Issued: 9/29/2004
	Size: 3/4 inch		(Waterous) Series 500	Amended: 2/21/2006,
	Horizontal, Vertical		NRS & OSY, Kennedy Ken	10/28/2008
	Down, Vertical Up w/		Seal II NRS & OSY,	
	Watts FBV & FBV(E)-QT,		Stockham G-610-OSY,	
	Watt Series 6080 &	l	l	Da
ASSE Seal Authorizations -	- January 23, 2019			Page 42

Revision: 2011 Model: 719 QT (LF-719- QT) w/ Watts FBV-E, FBV, KeyGuard SOV & U719 QT (LF-U719-QT) w/ Watts FBV-E, FBV Size: 3/4 inch Horizontal, Vertical Up and Vertical Down Issued: 9/29/2004 Amended: 2/21/2006, 10/28/2008 Revision: 2011 Model: 719-AQT (LF- 719AQT) Size: 1 1/2 inch Orientation: Vertical Up - Vertical Down w/ Watts FBV-E, FBV, KeyGuard SOV Issued: 9/29/2004 Amended: 2/21/2006, 10/28/2008 Revision: 2011 Model: 719-AQT (LF- 719AQT) Size: 1 1/4 inch Orientation: Vertical Up - Vertical Down w/ Watts FBV-E, FBV, KeyGuard SOV Issued: 9/29/2004 Amended: 2/21/2006, 10/28/2008 Revision: 2011 Model: 719-AQT (LF- 719AQT) Size: 2 inch Orientation: Vertical Up - Vertical Down w/ Watts FBV-E, FBV, KeyGuard SOV Issued: 9/29/2004 Amended: 2/21/2006, 10/28/2008 Revision: 2011 Model: 719-AQT (LF- 719AQT) Size: 2 inch Orientation: Vertical Up - Vertical Down w/ Watts FBV-E, FBV, KeyGuard SOV Issued: 9/29/2004 Amended: 2/21/2006, 10/28/2008 Revision: 2011 Model: 719-AQT (LF- 719-AQT) Size: 1 inch Orientation: Vertical Up - Vertical Down w/ Watts FBV-E, FBV, KeyGuard SOV Issued: 9/29/2004 Amended: 2/21/2006, 10/28/2008	Revision: 2011 Model: 719-QT-R10 (LF- 719-QT-R10) Size: 1/2 inch Horizontal, Vertical Up - Vertical Down w/ Watts FBV-E & FBV, KeyGuard SOV Issued: 9/29/2004 Amended: 2/21/2006, 10/28/2008 Revision: 2011 Model: 719-QT-R10 (LF- 719-QT-R10) Size: 3/4 inch Horizontal, Vertical Up - Vertical Down w/ Watts FBV-E & FBV, KeyGuard SOV Issued: 9/29/2004 Amended: 2/21/2006, 10/28/2008 Revision: 2011 Model: 757 (LF) 757 (SR) Size: 10" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37//38/36/02, Kennedy 759 2/93/61 & 7092/93/68, Union GV12, Victaulic Series 702, hunter Series BFV, Watts 007M3QT, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 757 (LF) 757 (SR) Size: 2 1/2" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37//38/36/02, Kennedy 759 2/93/61 & 7092/93/68, Union GV12, Victaulic Series 702, hunter Series BFV, Watts 007M3QT, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 757 (LF) 757 (SR) Size: 2 1/2" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37//38/36/02, Kennedy 759 2/93/61 & 7092/93/68, Union GV12, Victaulic Series 702, hunter Series BFV, Watts 007M3QT, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002,	Revision: 2011 Model: 757 (LF) 757 (SR) Size: 3" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37//38/36/02, Kennedy 759 2/93/61 & 702, hunter Series BFV, Watts 007M3QT, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 757 (LF) 757 (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37//38/36/02, Kennedy 759 2/93/61 & 7092/93/68, Union GV12, Victaulic Series 702, hunter Series BFV, Watts 007M3QT, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 757 (LF) 757 (SR) Size: 6" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37//38/36/02, Kennedy 759 2/93/61 & 7092/93/68, Union GV12, Victaulic Series 702, hunter Series BFV, Watts 007M3QT, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 757 (LF) 757 (SR) Size: 8" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37//38/36/02, Kennedy 759 2/93/61 & 7092/93/68, Union GV12, Victaulic Series 702, hunter Series BFV, Watts 007M3QT, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 757 (LF) 757 (SR) Size: 8" Orientation: Horizontal - Vertical Up	Revision: 2011 Model: 757a (LF) 757a (SR) Size: 2 1/2" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV 12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 757a (LF) 757a (SR) Size: 3" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV 12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 757a (LF) 757a (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV 12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 757a (LF) 757a (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV 12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 757a (LF) 757a	Revision: 2011 Model: 757aQT(LF) 757aQT(SR) Size: 2 1/2" Orientation: Horizontal w/Hunter Series B, Watts 007M3QT- 3/4inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 757aQT(LF) 757aQT(SR) Size: 3" Orientation: Horizontal w/Hunter Series B, Watts 007M3QT- 3/4inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 757aQT(LF) 757aQT(SR) Size: 4" Orientation: Horizontal w/Hunter Series B, Watts 007M3QT- 3/4inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 757N (LF) 757N (SR) Size: 10" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759/2/93/61, 7092/93/68, Union GV12, Fictaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4", Horizontal also includes: Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003
Issued: 9/29/2004 Amended: 2/21/2006, 10/28/2008 Revision: 2011 Model: 719-AQT (LF- 719-AQT) Size: 1 inch Orientation: Vertical Up - Vertical Down w/ Watts FBV-E, FBV, KeyGuard SOV Issued: 9/29/2004	Size: 2 1/2" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37//38/36/02, Kennedy 759 2/93/61 & 7092/93/68, Union GV12, Victaulic Series 702, hunter Series BFV, Watts 007M3QT, Watts Regulator 409 RW OS & Y Issued: 7/15/2002	GV12, Victaulic Series 702, hunter Series BFV, Watts 007M3QT, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 757 (LF) 757 (SR) Size: 8" Orientation: Horizontal -	F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV 12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003	w/Clow F6104/05/37/38/36/02, Kennedy 759/2/93/61, 7092/93/68, Union GV12, Fictaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4", Horizontal also includes: Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002,

Revision: 2011 Model: 757N (LF) 757N (SR) Size: 2 1/2" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759/2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4", Horizontal also includes: Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 757N (LF) 757N (SR) Size: 3" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759/2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4", Horizontal also includes: Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 757N (LF) 757N (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759/2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4", Horizontal also includes: Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003	Revision: 2011 Model: 757N (LF) 757N (SR) Size: 6" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759/2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4", Horizontal also includes: Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 757N (LF) 757N (SR) Size: 8" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759/2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4", Horizontal also includes: Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 757Na (LF) 757Na (SR) Size: 2 1/2" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003	Revision: 2011 Model: 757Na (LF) 757Na (SR) Size: 3" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 757Na (LF) 757Na (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 757Na (LF) 757Na (SR) Size: 6" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 757Na (LF) 757Na (SR) Size: 6" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003	Revision: 2011 Model: 757NaQT"N"(LF) 757NaQT"N"(SR) Size: 3" Orientation: Horizontal w/Hunter Series B, Watts 007M3QT-3/4inch Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 757NaQT"N"(LF) 757NaQT"N"(SR) Size: 4" Orientation: Horizontal w/Hunter Series B, Watts 007M3QT-3/4inch Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 757NQT"N"(LF) 757NQT"N"(SR) Size: 2 1/2" Orientation: Horizontal w/Hunter Series B, Watts 007M3QT- 3/4inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 757NQT"N"(LF) 757NQT"N"(SR) Size: 3" Orientation: Horizontal w/Hunter Series B, Watts 007M3QT- 3/4inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 757NQT"N"(LF) 757NQT"N"(SR) Size: 4" Orientation: Horizontal w/Hunter Series B, Watts 007M3QT- 3/4inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 757NQT"N"(LF) 757NQT"N"(SR) Size: 4" Orientation: Horizontal w/Hunter Series B, Watts 007M3QT- 3/4inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 757QT (LF) 757AT (SR) Size: 2 1/2" Orientation: Horizontal w/Hunter Series B, Watts 007M3QT- 3/4inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002	Revision: 2011 Model: 757QT (LF) 757AT (SR) Size: 3" Orientation: Horizontal w/Hunter Series B, Watts 007M3QT- 3/4inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 757QT (LF) 757AT (SR) Size: 4" Orientation: Horizontal w/Hunter Series B, Watts 007M3QT- 3/4inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767 (LF) 767 (SR) Size: 1 1/2" Orientation: Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759,2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767 (LF) 767 (SR) Size: 10" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759,2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767 (LF) 767 (SR) Size: 10" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759,2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV - Horizontal also includes: Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767 (LF) 767 (SR) Size: 2 1/2" Orientation: Horizontal w/Clow F6104/05/37/38/36/02, Kennedy 759,2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV - Horizontal also includes: Watts Regulator 409 RW OS & Y Issued: 7/15/2002
			3/4inch, Watts Regulator 409 RW OS & Y	Watts Regulator 409 RW OS & Y

Revision: 2011	Revision: 2011	Revision: 2011	Revision: 2011	Revision: 2011
Model: 767 (LF) 767 (SR)	Model: 767a (LF) 767a	Model: 767N (LF) 767N	Model: 767N (LF) 767N	Model: 774 (LF)774(SR)
Size: 3"	(SR)	(SR)	(SR)	Size: 10 inch
Orientation: Horizontal -	Size: 2 1/2"	Size: 2 1/2"	Size: 8"	Orientation: Horizontal
Vertical Up	Orientation: Horizontal -	Orientation: Horizontal -	Orientation: Horizontal -	w/ Kennedy KW and RW,
w/Clow	Vertical Up	Vertical Up	Vertical Up	Watts Regulator 405,
F6104/05/37/38/36/02,	w/Clow	w/Clow	w/Clow	409 RW OS & Y
Kennedy 759,2/93/61,	F6104/05/37/38/36/02,	F6104/05/37/38/36/02,	F6104/05/37/38/36/02,	Issued: 8/1/1997
7092/93/68, Union	Kennedy 759 2/93/61,	Kennedy 759 2/93/61,	Kennedy 759 2/93/61,	
GV12, Victaulic Series	7092/93/68, Union	7092/93/68, Union	7092/93/68, Union	Revision: 2011
702, Hunter Series BFV -	GV12, Victaulic Series	GV12, Victaulic Series	GV12, Victaulic Series	Model: 774 (LF)774(SR)
Horizontal also includes:	702, Hunter Series BFV,	702, Hunter Series BFV,	702, Hunter Series BFV,	Size: 8 inch
Watts Regulator 409 RW	Watts 007M3QT-3/4	Watts 007M3QT-3/4	Watts 007M3QT-3/4	Orientation: Horizontal
OS & Y	inch, Watts Regulator	inch, Watts Regulator	inch, Watts Regulator	w/ Kennedy KW and RW,
Issued: 7/15/2002	409 RW OS & Y	409 RW OS & Y	409 RW OS & Y	Watts Regulator 405,
Amended: 10/1/2002,	Issued: 7/15/2002	Issued: 7/15/2002	Issued: 7/15/2002	409 RW OS & Y
2/1/2003	Amended: 10/1/2002,	Amended: 10/1/2002,	Amended: 10/1/2002,	Issued: 8/1/1997
	2/1/2003	2/1/2003	2/1/2003	
Revision: 2011				Revision: 2011
Model: 767 (LF) 767 (SR)	Revision: 2011	Revision: 2011	Revision: 2011	Model: 774X
Size: 4"	Model: 767a (LF) 767a	Model: 767N (LF) 767N	Model: 767Na (LF)	(LF)774X(SR)
Orientation: Horizontal -	(SR)	(SR)	767Na (SR)	Size: 2 1/2 inch
Vertical Up	Size: 3"	Size: 3"	Size: 2 1/2"	Orientation: Horizontal
w/Clow	Orientation: Horizontal -	Orientation: Horizontal -	Orientation: Horizontal -	w/ Kennedy KW and RW,
F6104/05/37/38/36/02,	Vertical Up	Vertical Up	Vertical Up	Watts Regulator 405,
Kennedy 759,2/93/61,	w/Clow	w/Clow	w/Clow	409 RW OS & Y
7092/93/68, Union	F6104/05/37/38/36/02,	F6104/05/37/38/36/02,	F6104/05/37/38/36/02,	Issued: 8/1/1997
GV12, Victaulic Series	Kennedy 759 2/93/61,	Kennedy 759 2/93/61,	Kennedy 759 2/93/61,	Amended: 5/19/2016
702, Hunter Series BFV -	7092/93/68, Union	7092/93/68, Union	7092/93/68, Union	
Horizontal also includes:	GV12, Victaulic Series	GV12, Victaulic Series	GV12, Victaulic Series	Revision: 2011
Watts Regulator 409 RW	702, Hunter Series BFV,	702, Hunter Series BFV,	702, Hunter Series BFV,	Model: 774X
OS & Y	Watts 007M3QT-3/4	Watts 007M3QT-3/4	Watts 007M3QT-	(LF)774X(SR)
Issued: 7/15/2002	inch, Watts Regulator	inch, Watts Regulator	3/4inch, Watts Regulator	Size: 6 inch
Amended: 10/1/2002,	409 RW OS & Y	409 RW OS & Y	409 RW OS & Y	Orientation: Horizontal
2/1/2003	Issued: 7/15/2002	Issued: 7/15/2002	Issued: 7/15/2002	w/ Kennedy KW and RW,
	Amended: 10/1/2002,	Amended: 10/1/2002,	Amended: 10/1/2002,	Watts Regulator 405,
Revision: 2011	2/1/2003	2/1/2003	2/1/2003	409 RW OS & Y
Model: 767 (LF) 767 (SR)				Issued: 8/1/1997
		D		
Size: 6"	Revision: 2011	Revision: 2011	Revision: 2011	Amended: 5/19/2016
Orientation: Horizontal -	Model: 767a (LF) 767a	Model: 767N (LF) 767N	Model: 767Na (LF)	Amended: 5/19/2016
Orientation: Horizontal - Vertical Up	Model: 767a (LF) 767a (SR)	Model: 767N (LF) 767N (SR)	Model: 767Na (LF) 767Na (SR)	Amended: 5/19/2016 Revision: 2011
Orientation: Horizontal - Vertical Up w/Clow	Model: 767a (LF) 767a (SR) Size: 4"	Model: 767N (LF) 767N (SR) Size: 4"	Model: 767Na (LF) 767Na (SR) Size: 3"	Amended: 5/19/2016 Revision: 2011 Model: 774X
Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02,	Model: 767a (LF) 767a (SR) Size: 4" Orientation: Horizontal -	Model: 767N (LF) 767N (SR) Size: 4" Orientation: Horizontal -	Model: 767Na (LF) 767Na (SR) Size: 3" Orientation: Horizontal -	Amended: 5/19/2016 Revision: 2011 Model: 774X (LF)774X(SR)
Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759,2/93/61,	Model: 767a (LF) 767a (SR) Size: 4" Orientation: Horizontal - Vertical Up	Model: 767N (LF) 767N (SR) Size: 4" Orientation: Horizontal - Vertical Up	Model: 767Na (LF) 767Na (SR) Size: 3" Orientation: Horizontal - Vertical Up	Amended: 5/19/2016 Revision: 2011 Model: 774X (LF)774X(SR) Size: 8 inch
Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759,2/93/61, 7092/93/68, Union	Model: 767a (LF) 767a (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow	Model: 767N (LF) 767N (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow	Model: 767Na (LF) 767Na (SR) Size: 3" Orientation: Horizontal - Vertical Up w/Clow	Amended: 5/19/2016 Revision: 2011 Model: 774X (LF)774X(SR) Size: 8 inch Orientation: Horizontal -
Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759,2/93/61, 7092/93/68, Union GV12, Victaulic Series	Model: 767a (LF) 767a (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02,	Model: 767N (LF) 767N (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02,	Model: 767Na (LF) 767Na (SR) Size: 3" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02,	Amended: 5/19/2016 Revision: 2011 Model: 774X (LF)774X(SR) Size: 8 inch Orientation: Horizontal - Vertical Down
Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759,2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV -	Model: 767a (LF) 767a (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61,	Model: 767N (LF) 767N (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61,	Model: 767Na (LF) 767Na (SR) Size: 3" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61,	Amended: 5/19/2016 Revision: 2011 Model: 774X (LF)774X(SR) Size: 8 inch Orientation: Horizontal - Vertical Down w/ Kennedy KW and RW,
Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759,2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV - Horizontal also includes:	Model: 767a (LF) 767a (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union	Model: 767N (LF) 767N (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union	Model: 767Na (LF) 767Na (SR) Size: 3" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union	Amended: 5/19/2016 Revision: 2011 Model: 774X (LF)774X(SR) Size: 8 inch Orientation: Horizontal - Vertical Down w/ Kennedy KW and RW, Watts Regulator 405,
Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759,2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV - Horizontal also includes: Watts Regulator 409 RW	Model: 767a (LF) 767a (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series	Model: 767N (LF) 767N (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series	Model: 767Na (LF) 767Na (SR) Size: 3" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series	Amended: 5/19/2016 Revision: 2011 Model: 774X (LF)774X(SR) Size: 8 inch Orientation: Horizontal - Vertical Down w/ Kennedy KW and RW, Watts Regulator 405, 409 RW OS & Y
Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759,2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV - Horizontal also includes: Watts Regulator 409 RW OS & Y	Model: 767a (LF) 767a (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV,	Model: 767N (LF) 767N (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV,	Model: 767Na (LF) 767Na (SR) Size: 3" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV,	Amended: 5/19/2016 Revision: 2011 Model: 774X (LF)774X(SR) Size: 8 inch Orientation: Horizontal - Vertical Down w/ Kennedy KW and RW, Watts Regulator 405, 409 RW OS & Y Issued: 8/1/1997
Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759,2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV - Horizontal also includes: Watts Regulator 409 RW OS & Y Issued: 7/15/2002	Model: 767a (LF) 767a (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4	Model: 767N (LF) 767N (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4	Model: 767Na (LF) 767Na (SR) Size: 3" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-	Amended: 5/19/2016 Revision: 2011 Model: 774X (LF)774X(SR) Size: 8 inch Orientation: Horizontal - Vertical Down w/ Kennedy KW and RW, Watts Regulator 405, 409 RW OS & Y
Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759,2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV - Horizontal also includes: Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002,	Model: 767a (LF) 767a (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator	Model: 767N (LF) 767N (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator	Model: 767Na (LF) 767Na (SR) Size: 3" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT- 3/4inch, Watts Regulator	Amended: 5/19/2016 Revision: 2011 Model: 774X (LF)774X(SR) Size: 8 inch Orientation: Horizontal - Vertical Down w/ Kennedy KW and RW, Watts Regulator 405, 409 RW OS & Y Issued: 8/1/1997 Amended: 5/19/2016
Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759,2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV - Horizontal also includes: Watts Regulator 409 RW OS & Y Issued: 7/15/2002	Model: 767a (LF) 767a (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y	Model: 767N (LF) 767N (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y	Model: 767Na (LF) 767Na (SR) Size: 3" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT- 3/4inch, Watts Regulator 409 RW OS & Y	Amended: 5/19/2016 Revision: 2011 Model: 774X (LF)774X(SR) Size: 8 inch Orientation: Horizontal - Vertical Down w/ Kennedy KW and RW, Watts Regulator 405, 409 RW OS & Y Issued: 8/1/1997 Amended: 5/19/2016 Revision: 2011
Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759,2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV - Horizontal also includes: Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003	Model: 767a (LF) 767a (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002	Model: 767N (LF) 767N (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002	Model: 767Na (LF) 767Na (SR) Size: 3" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT- 3/4inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002	Amended: 5/19/2016 Revision: 2011 Model: 774X (LF)774X(SR) Size: 8 inch Orientation: Horizontal - Vertical Down w/ Kennedy KW and RW, Watts Regulator 405, 409 RW OS & Y Issued: 8/1/1997 Amended: 5/19/2016 Revision: 2011 Model: SS007M1 QT
Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759,2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV - Horizontal also includes: Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011	Model: 767a (LF) 767a (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002,	Model: 767N (LF) 767N (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y	Model: 767Na (LF) 767Na (SR) Size: 3" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT- 3/4inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002,	Amended: 5/19/2016 Revision: 2011 Model: 774X (LF)774X(SR) Size: 8 inch Orientation: Horizontal - Vertical Down w/ Kennedy KW and RW, Watts Regulator 405, 409 RW OS & Y Issued: 8/1/1997 Amended: 5/19/2016 Revision: 2011
Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759,2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV - Horizontal also includes: Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003	Model: 767a (LF) 767a (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002	Model: 767N (LF) 767N (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002,	Model: 767Na (LF) 767Na (SR) Size: 3" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT- 3/4inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002	Amended: 5/19/2016 Revision: 2011 Model: 774X (LF)774X(SR) Size: 8 inch Orientation: Horizontal - Vertical Down w/ Kennedy KW and RW, Watts Regulator 405, 409 RW OS & Y Issued: 8/1/1997 Amended: 5/19/2016 Revision: 2011 Model: SS007M1 QT Size: 1 inch
Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759,2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV - Horizontal also includes: Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767 (LF) 767 (SR) Size: 8"	Model: 767a (LF) 767a (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002,	Model: 767N (LF) 767N (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW 05 & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003	Model: 767Na (LF) 767Na (SR) Size: 3" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT- 3/4inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003	Amended: 5/19/2016 Revision: 2011 Model: 774X (LF)774X(SR) Size: 8 inch Orientation: Horizontal - Vertical Down w/ Kennedy KW and RW, Watts Regulator 405, 409 RW OS & Y Issued: 8/1/1997 Amended: 5/19/2016 Revision: 2011 Model: SS007M1 QT Size: 1 inch Orientation: Horizontal - Vertical Up
Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759,2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV - Horizontal also includes: Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767 (LF) 767 (SR)	Model: 767a (LF) 767a (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003	Model: 767N (LF) 767N (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002,	Model: 767Na (LF) 767Na (SR) Size: 3" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT- 3/4inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011	Amended: 5/19/2016 Revision: 2011 Model: 774X (LF)774X(SR) Size: 8 inch Orientation: Horizontal - Vertical Down w/ Kennedy KW and RW, Watts Regulator 405, 409 RW OS & Y Issued: 8/1/1997 Amended: 5/19/2016 Revision: 2011 Model: SS007M1 QT Size: 1 inch Orientation: Horizontal -
Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759,2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV - Horizontal also includes: Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767 (LF) 767 (SR) Size: 8" Orientation: Horizontal - Vertical Up	Model: 767a (LF) 767a (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767N (LF) 767N (SR)	Model: 767N (LF) 767N (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767N (LF) 767N (SR)	Model: 767Na (LF) 767Na (SR) Size: 3" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT- 3/4inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767Na (LF) 767Na (SR)	Amended: 5/19/2016 Revision: 2011 Model: 774X (LF)774X(SR) Size: 8 inch Orientation: Horizontal - Vertical Down w/ Kennedy KW and RW, Watts Regulator 405, 409 RW OS & Y Issued: 8/1/1997 Amended: 5/19/2016 Revision: 2011 Model: SS007M1 QT Size: 1 inch Orientation: Horizontal - Vertical Up w/ Figure FBV & (FBV-E)
Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759,2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV - Horizontal also includes: Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767 (LF) 767 (SR) Size: 8" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02,	Model: 767a (LF) 767a (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767N (LF) 767N (SR)	Model: 767N (LF) 767N (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767N (LF) 767N (SR)	Model: 767Na (LF) 767Na (SR) Size: 3" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT- 3/4inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767Na (LF) 767Na (SR)	Amended: 5/19/2016 Revision: 2011 Model: 774X (LF)774X(SR) Size: 8 inch Orientation: Horizontal - Vertical Down w/ Kennedy KW and RW, Watts Regulator 405, 409 RW 05 & Y Issued: 8/1/1997 Amended: 5/19/2016 Revision: 2011 Model: SS007M1 QT Size: 1 inch Orientation: Horizontal - Vertical Up w/ Figure FBV & (FBV-E) QT Issued: 3/13/1995
Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759,2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV - Horizontal also includes: Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767 (LF) 767 (SR) Size: 8" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02,	Model: 767a (LF) 767a (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767N (LF) 767N (SR) Size: 10"	Model: 767N (LF) 767N (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767N (LF) 767N (SR) Size: 6"	Model: 767Na (LF) 767Na (SR) Size: 3" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT- 3/4inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767Na (LF)	Amended: 5/19/2016 Revision: 2011 Model: 774X (LF)774X(SR) Size: 8 inch Orientation: Horizontal - Vertical Down w/ Kennedy KW and RW, Watts Regulator 405, 409 RW OS & Y Issued: 8/1/1997 Amended: 5/19/2016 Revision: 2011 Model: SS007M1 QT Size: 1 inch Orientation: Horizontal - Vertical Up w/ Figure FBV & (FBV-E) QT
Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759,2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV - Horizontal also includes: Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767 (LF) 767 (SR) Size: 8" Orientation: Horizontal - Vertical Up w/Clow	Model: 767a (LF) 767a (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767N (LF) 767N (SR)	Model: 767N (LF) 767N (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767N (LF) 767N (SR)	Model: 767Na (LF) 767Na (SR) Size: 3" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT- 3/4inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767Na (LF) 767Na (SR) Size: 4"	Amended: 5/19/2016 Revision: 2011 Model: 774X (LF)774X(SR) Size: 8 inch Orientation: Horizontal - Vertical Down w/ Kennedy KW and RW, Watts Regulator 405, 409 RW OS & Y Issued: 8/1/1997 Amended: 5/19/2016 Revision: 2011 Model: SS007M1 QT Size: 1 inch Orientation: Horizontal - Vertical Up w/ Figure FBV & (FBV-E) QT Issued: 3/13/1995 Amended: 1/21/2008,
Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759,2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV - Horizontal also includes: Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767 (LF) 767 (SR) Size: 8" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759,2/93/61,	Model: 767a (LF) 767a (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767N (LF) 767N (SR) Size: 10" Orientation: Horizontal - Vertical Up w/Clow	Model: 767N (LF) 767N (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767N (LF) 767N (SR) Size: 6" Orientation: Horizontal - Vertical Up w/Clow	Model: 767Na (LF) 767Na (SR) Size: 3" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT- 3/4inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767Na (LF) 767Na (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow	Amended: 5/19/2016 Revision: 2011 Model: 774X (LF)774X(SR) Size: 8 inch Orientation: Horizontal - Vertical Down w/ Kennedy KW and RW, Watts Regulator 405, 409 RW OS & Y Issued: 8/1/1997 Amended: 5/19/2016 Revision: 2011 Model: SS007M1 QT Size: 1 inch Orientation: Horizontal - Vertical Up w/ Figure FBV & (FBV-E) QT Issued: 3/13/1995 Amended: 1/21/2008, 10/28/2008 Revision: 2011
Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759,2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV - Horizontal also includes: Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767 (LF) 767 (SR) Size: 8" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759,2/93/61, 7092/93/68, Union	Model: 767a (LF) 767a (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767N (LF) 767N (SR) Size: 10" Orientation: Horizontal - Vertical Up	Model: 767N (LF) 767N (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW 05 & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767N (LF) 767N (SR) Size: 6" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02,	Model: 767Na (LF) 767Na (SR) Size: 3" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT- 3/4inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767Na (LF) 767Na (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02,	Amended: 5/19/2016 Revision: 2011 Model: 774X (LF)774X(SR) Size: 8 inch Orientation: Horizontal - Vertical Down w/ Kennedy KW and RW, Watts Regulator 405, 409 RW OS & Y Issued: 8/1/1997 Amended: 5/19/2016 Revision: 2011 Model: SS007M1 QT Size: 1 inch Orientation: Horizontal - Vertical Up w/ Figure FBV & (FBV-E) QT Issued: 3/13/1995 Amended: 1/21/2008, 10/28/2008
Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759,2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV - Horizontal also includes: Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767 (LF) 767 (SR) Size: 8" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759,2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV - Horizontal also includes:	Model: 767a (LF) 767a (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767N (LF) 767N (SR) Size: 10" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61,	Model: 767N (LF) 767N (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767N (LF) 767N (SR) Size: 6" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61,	Model: 767Na (LF) 767Na (SR) Size: 3" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT- 3/4inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767Na (LF) 767Na (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61,	Amended: 5/19/2016 Revision: 2011 Model: 774X (LF)774X(SR) Size: 8 inch Orientation: Horizontal - Vertical Down w/ Kennedy KW and RW, Watts Regulator 405, 409 RW OS & Y Issued: 8/1/1997 Amended: 5/19/2016 Revision: 2011 Model: SS007M1 QT Size: 1 inch Orientation: Horizontal - Vertical Up w/ Figure FBV & (FBV-E) QT Issued: 3/13/1995 Amended: 1/21/2008, 10/28/2008 Revision: 2011 Model: SS007M2QT Size: 3/4 inch
Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759,2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV - Horizontal also includes: Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767 (LF) 767 (SR) Size: 8" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759,2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV - Horizontal also includes: Watts Regulator 409 RW	Model: 767a (LF) 767a (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767N (LF) 767N (SR) Size: 10" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union	Model: 767N (LF) 767N (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767N (LF) 767N (SR) Size: 6" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union	Model: 767Na (LF) 767Na (SR) Size: 3" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT- 3/4inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767Na (LF) 767Na (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union	Amended: 5/19/2016 Revision: 2011 Model: 774X (LF)774X(SR) Size: 8 inch Orientation: Horizontal - Vertical Down w/ Kennedy KW and RW, Watts Regulator 405, 409 RW 05 & Y Issued: 8/1/1997 Amended: 5/19/2016 Revision: 2011 Model: SS007M1 QT Size: 1 inch Orientation: Horizontal - Vertical Up w/ Figure FBV & (FBV-E) QT Issued: 3/13/1995 Amended: 1/21/2008, 10/28/2008 Revision: 2011 Model: SS007M2QT Size: 3/4 inch Orientation: Horizontal
Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759,2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV - Horizontal also includes: Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767 (LF) 767 (SR) Size: 8" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759,2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV - Horizontal also includes: Watts Regulator 409 RW OS & Y	Model: 767a (LF) 767a (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767N (LF) 767N (SR) Size: 10" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series	Model: 767N (LF) 767N (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767N (LF) 767N (SR) Size: 6" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series	Model: 767Na (LF) 767Na (SR) Size: 3" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT- 3/4inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767Na (LF) 767Na (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61,	Amended: 5/19/2016 Revision: 2011 Model: 774X (LF)774X(SR) Size: 8 inch Orientation: Horizontal - Vertical Down w/ Kennedy KW and RW, Watts Regulator 405, 409 RW OS & Y Issued: 8/1/1997 Amended: 5/19/2016 Revision: 2011 Model: SS007M1 QT Size: 1 inch Orientation: Horizontal - Vertical Up w/ Figure FBV & (FBV-E) QT Issued: 3/13/1995 Amended: 1/21/2008, 10/28/2008 Revision: 2011 Model: SS007M2QT Size: 3/4 inch Orientation: Horizontal w/Watts 9526F CF8M
Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759,2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV - Horizontal also includes: Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767 (LF) 767 (SR) Size: 8" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759,2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV - Horizontal also includes: Watts Regulator 409 RW OS & Y Issued: 7/15/2002	Model: 767a (LF) 767a (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767N (LF) 767N (SR) Size: 10" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV,	Model: 767N (LF) 767N (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767N (LF) 767N (SR) Size: 6" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV,	Model: 767Na (LF) 767Na (SR) Size: 3" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT- 3/4inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767Na (LF) 767Na (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV,	Amended: 5/19/2016 Revision: 2011 Model: 774X (LF)774X(SR) Size: 8 inch Orientation: Horizontal - Vertical Down w/ Kennedy KW and RW, Watts Regulator 405, 409 RW OS & Y Issued: 8/1/1997 Amended: 5/19/2016 Revision: 2011 Model: SS007M1 QT Size: 1 inch Orientation: Horizontal - Vertical Up w/ Figure FBV & (FBV-E) QT Issued: 3/13/1995 Amended: 1/21/2008, 10/28/2008 Revision: 2011 Model: SS007M2QT Size: 3/4 inch Orientation: Horizontal W/Watts 9526F CF8M Issued: 3/13/1995
Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759,2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV - Horizontal also includes: Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767 (LF) 767 (SR) Size: 8" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759,2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV - Horizontal also includes: Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002,	Model: 767a (LF) 767a (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767N (LF) 767N (SR) Size: 10" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4	Model: 767N (LF) 767N (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767N (LF) 767N (SR) Size: 6" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4	Model: 767Na (LF) 767Na (SR) Size: 3" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT- 3/4inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767Na (LF) 767Na (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-	Amended: 5/19/2016 Revision: 2011 Model: 774X (LF)774X(SR) Size: 8 inch Orientation: Horizontal - Vertical Down w/ Kennedy KW and RW, Watts Regulator 405, 409 RW OS & Y Issued: 8/1/1997 Amended: 5/19/2016 Revision: 2011 Model: SS007M1 QT Size: 1 inch Orientation: Horizontal - Vertical Up w/ Figure FBV & (FBV-E) QT Issued: 3/13/1995 Amended: 1/21/2008, 10/28/2008 Revision: 2011 Model: SS007M2QT Size: 3/4 inch Orientation: Horizontal w/Watts 9526F CF8M Issued: 3/13/1995 Amended: 1/21/2008,
Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759,2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV - Horizontal also includes: Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767 (LF) 767 (SR) Size: 8" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759,2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV - Horizontal also includes: Watts Regulator 409 RW OS & Y Issued: 7/15/2002	Model: 767a (LF) 767a (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767N (LF) 767N (SR) Size: 10" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator	Model: 767N (LF) 767N (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767N (LF) 767N (SR) Size: 6" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator	Model: 767Na (LF) 767Na (SR) Size: 3" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT- 3/4inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767Na (LF) 767Na (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT- 3/4inch, Watts Regulator	Amended: 5/19/2016 Revision: 2011 Model: 774X (LF)774X(SR) Size: 8 inch Orientation: Horizontal - Vertical Down w/ Kennedy KW and RW, Watts Regulator 405, 409 RW OS & Y Issued: 8/1/1997 Amended: 5/19/2016 Revision: 2011 Model: SS007M1 QT Size: 1 inch Orientation: Horizontal - Vertical Up w/ Figure FBV & (FBV-E) QT Issued: 3/13/1995 Amended: 1/21/2008, 10/28/2008 Revision: 2011 Model: SS007M2QT Size: 3/4 inch Orientation: Horizontal W/Watts 9526F CF8M Issued: 3/13/1995
Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759,2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV - Horizontal also includes: Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767 (LF) 767 (SR) Size: 8" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759,2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV - Horizontal also includes: Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002,	Model: 767a (LF) 767a (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767N (LF) 767N (SR) Size: 10" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y	Model: 767N (LF) 767N (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767N (LF) 767N (SR) Size: 6" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y	Model: 767Na (LF) 767Na (SR) Size: 3" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT- 3/4inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767Na (LF) 767Na (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT- 3/4inch, Watts Regulator 409 RW OS & Y	Amended: 5/19/2016 Revision: 2011 Model: 774X (LF)774X(SR) Size: 8 inch Orientation: Horizontal - Vertical Down w/ Kennedy KW and RW, Watts Regulator 405, 409 RW OS & Y Issued: 8/1/1997 Amended: 5/19/2016 Revision: 2011 Model: SS007M1 QT Size: 1 inch Orientation: Horizontal - Vertical Up w/ Figure FBV & (FBV-E) QT Issued: 3/13/1995 Amended: 1/21/2008, 10/28/2008 Revision: 2011 Model: SS007M2QT Size: 3/4 inch Orientation: Horizontal w/Watts 9526F CF8M Issued: 3/13/1995 Amended: 1/21/2008,
Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759,2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV - Horizontal also includes: Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767 (LF) 767 (SR) Size: 8" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759,2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV - Horizontal also includes: Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002,	Model: 767a (LF) 767a (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767N (LF) 767N (SR) Size: 10" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002	Model: 767N (LF) 767N (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767N (LF) 767N (SR) Size: 6" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002	Model: 767Na (LF) 767Na (SR) Size: 3" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT- 3/4inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767Na (LF) 767Na (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT- 3/4inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002	Amended: 5/19/2016 Revision: 2011 Model: 774X (LF)774X(SR) Size: 8 inch Orientation: Horizontal - Vertical Down w/ Kennedy KW and RW, Watts Regulator 405, 409 RW OS & Y Issued: 8/1/1997 Amended: 5/19/2016 Revision: 2011 Model: SS007M1 QT Size: 1 inch Orientation: Horizontal - Vertical Up w/ Figure FBV & (FBV-E) QT Issued: 3/13/1995 Amended: 1/21/2008, 10/28/2008 Revision: 2011 Model: SS007M2QT Size: 3/4 inch Orientation: Horizontal w/Watts 9526F CF8M Issued: 3/13/1995 Amended: 1/21/2008,
Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759,2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV - Horizontal also includes: Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767 (LF) 767 (SR) Size: 8" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759,2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV - Horizontal also includes: Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002,	Model: 767a (LF) 767a (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767N (LF) 767N (SR) Size: 10" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002,	Model: 767N (LF) 767N (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767N (LF) 767N (SR) Size: 6" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002,	Model: 767Na (LF) 767Na (SR) Size: 3" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT- 3/4inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767Na (LF) 767Na (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT- 3/4inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002,	Amended: 5/19/2016 Revision: 2011 Model: 774X (LF)774X(SR) Size: 8 inch Orientation: Horizontal - Vertical Down w/ Kennedy KW and RW, Watts Regulator 405, 409 RW OS & Y Issued: 8/1/1997 Amended: 5/19/2016 Revision: 2011 Model: SS007M1 QT Size: 1 inch Orientation: Horizontal - Vertical Up w/ Figure FBV & (FBV-E) QT Issued: 3/13/1995 Amended: 1/21/2008, 10/28/2008 Revision: 2011 Model: SS007M2QT Size: 3/4 inch Orientation: Horizontal w/Watts 9526F CF8M Issued: 3/13/1995 Amended: 1/21/2008,
Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759,2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV - Horizontal also includes: Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767 (LF) 767 (SR) Size: 8" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759,2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV - Horizontal also includes: Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002,	Model: 767a (LF) 767a (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767N (LF) 767N (SR) Size: 10" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002	Model: 767N (LF) 767N (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767N (LF) 767N (SR) Size: 6" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002	Model: 767Na (LF) 767Na (SR) Size: 3" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT- 3/4inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767Na (LF) 767Na (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT- 3/4inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002	Amended: 5/19/2016 Revision: 2011 Model: 774X (LF)774X(SR) Size: 8 inch Orientation: Horizontal - Vertical Down w/ Kennedy KW and RW, Watts Regulator 405, 409 RW OS & Y Issued: 8/1/1997 Amended: 5/19/2016 Revision: 2011 Model: SS007M1 QT Size: 1 inch Orientation: Horizontal - Vertical Up w/ Figure FBV & (FBV-E) QT Issued: 3/13/1995 Amended: 1/21/2008, 10/28/2008 Revision: 2011 Model: SS007M2QT Size: 3/4 inch Orientation: Horizontal w/Watts 9526F CF8M Issued: 3/13/1995 Amended: 1/21/2008,
Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759,2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV - Horizontal also includes: Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767 (LF) 767 (SR) Size: 8" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759,2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV - Horizontal also includes: Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002,	Model: 767a (LF) 767a (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767N (LF) 767N (SR) Size: 10" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002,	Model: 767N (LF) 767N (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767N (LF) 767N (SR) Size: 6" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT-3/4 inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002,	Model: 767Na (LF) 767Na (SR) Size: 3" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT- 3/4inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 2/1/2003 Revision: 2011 Model: 767Na (LF) 767Na (SR) Size: 4" Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 759 2/93/61, 7092/93/68, Union GV12, Victaulic Series 702, Hunter Series BFV, Watts 007M3QT- 3/4inch, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002,	Amended: 5/19/2016 Revision: 2011 Model: 774X (LF)774X(SR) Size: 8 inch Orientation: Horizontal - Vertical Down w/ Kennedy KW and RW, Watts Regulator 405, 409 RW OS & Y Issued: 8/1/1997 Amended: 5/19/2016 Revision: 2011 Model: SS007M1 QT Size: 1 inch Orientation: Horizontal - Vertical Up w/ Figure FBV & (FBV-E) QT Issued: 3/13/1995 Amended: 1/21/2008, 10/28/2008 Revision: 2011 Model: SS007M2QT Size: 3/4 inch Orientation: Horizontal w/Watts 9526F CF8M Issued: 3/13/1995 Amended: 1/21/2008,

Revision: 2011 Model: SS007M3QT Size: 1/2 inch Orientation: Horizontal -Vertical Up Issued: 3/13/1995 Amended: 1/21/2008, 10/28/2008

Revision: 2011 Model: SS007M3QT Size: 3/4 inch Orientation: Horizontal -Vertical Up Issued: 3/13/1995 Amended: 1/21/2008, 10/28/2008

Revision: 2011 Model: U007M1A QT (LF, PC) Size: 2 inch Orientation: Vertical Up w/Watts FBV & (FBV-E) QT & Watts 6080 (6080-E)-QT Issued: 3/13/1995 Amended: 1/21/2008, 10/28/2008

Revision: 2011 Model: U007M1A QT (LF, PC) Size: 3/4 inch Orientation: Horizontal -Vertical Up w/Watts FBV & (FBV-E) QT & Watts 6080 (6080-E)-QT Issued: 3/13/1995 Amended: 1/21/2008, 10/28/2008

Revision: 2011 Model: U007M1QT (LF) U007M1QT (PC) Size: 1 1/2 inch Orientation: Horizontal w/ Watts FBV & FBV(E)-QT, Watt Series 6080 & (6080-E)-QT Issued: 3/13/1995 Amended: 1/21/2008, 10/28/2008

Revision: 2011 Model: U007M1QT (LF) U007M1QT (PC) Size: 1 inch Orientation: Horizontal w/ Watts FBV & FBV(E)-QT, Watt Series 6080 & (6080-E)-QT Issued: 3/13/1995 Amended: 1/21/2008, 10/28/2008

Revision: 2011 Model: U007M1QT (LF) U007M1QT (PC) Size: 2 inch Orientation: Horizontal w/Watts FBV & FBV(E)-QT, Watt Series 6080 & (6080-E)-QT İssued: 3/13/1995 Amended: 1/21/2008, 10/28/2008 Revision: 2011 Model: U007M1QT (LF) U007M1QT(PC) Size: 3/4 inch Orientation: Horizontal w/ Watts FBV & FBV(E) QT, Watt Series 6080 & (6080-E)-QT Issued: 3/13/1995 Amended: 1/21/2008, 10/28/2008 Revision: 2011 Model: U007M2A QT (LF, PC) Size: 1-1/2 inch Orientation: Horizontal -Vertical Up w/Watts FBV & (FBV-E) QT & Watts 6080 (6080-E)-QT Issued: 3/13/1995 Amended: 1/21/2008, 10/28/2008 Revision: 2011 Model: U007M2QT (LF) U007M2QT (PC) Size: 1 1 /4 inch Orientation: Horizontal w/ Watts FBV & FBV(E) QT, Watt Series 6080 & (6080-E)-QT Issued: 3/13/1995 Amended: 1/21/2008, 10/28/2008 Revision: 2011 Model: U007M2QT (LF) U007M2QT (PC) Size: 1 1/2 inch **Orientation: Horizontal** w/ Watts FBV & FBV(E)-QT, Watt Series 6080 & (6080-E)-QT Issued: 3/13/1995 Amended: 1/21/2008, 10/28/2008 Revision: 2011 Model: U007QT (LF, PC) Size: 1/2 inch Orientation: Horizontal -Vertical Up w/ Watts FBV (FBV-E)-QT & Watts Series 6080 (6080-E)-QT Issued: 3/13/1995 Amended: 1/21/2008, 10/28/2008

Wilkins / A Division of Zurn Revision: 2011 Model: 350AST & 350ASTR Size: 10" Orientation: Horizontal -Vertical Up w/ Wilkins 48 gate valves, Wilkins 49 butterfly valves, Victaulic 702, Clow model 2638/39/40 Issued: 1/9/2012 Amended: 8/15/2012, 8/20/2012 Revision: 2011 Model: 350AST & 350ASTR Size: 2 1/2" Orientation: Horizontal -Vertical Up w/ Victaulic 702, Wilkins Model 48, Wilkins Model 49. Clow Model 2639 Issued: 11/19/2010 Amended: 8/15/2012, 8/20/2012 Revision: 2011 Model: 350AST & 350ASTR Size: 3" Orientation: Horizontal -Vertical Up w/ Victaulic 702, Wilkins Model 48, Wilkins Model 49, Clow Model 2639 Issued: 11/19/2010 Amended: 8/15/2012, 8/20/2012 Revision: 2011 Model: 350AST & 350ASTR Size: 4" Orientation: Horizontal -Vertical Up w/ Victaulic 702, Wilkins Model 48, Wilkins Model 49, Clow Model 2638 Issued: 11/19/2010 Amended: 8/15/2012, 8/20/2012 Revision: 2011 Model: 350AST & 350ASTR Size: 6" Orientation: Horizontal Vertical Up w/ Victaulic 702, Wilkins Model 48, Wilkins Model 49, Clow Model 2638 Issued: 11/19/2010 Amended: 8/15/2012, 8/20/2012 Revision: 2011 Model: 350AST & 350ASTR Size: 8" **Orientation: Horizontal** Vertical Up w/ Wilkins 48 gate valves, Wilkins 49

702, Clow model 2638/39/40 Issued: 1/9/2012 Amended: 8/15/2012, 8/20/2012 Revision: 2011 Model: 450ST / 450STR Size: 10" **Orientation: Vertical Up** - Vertical Down Issued: 11/19/2010 Revision: 2011 Model: 450ST / 450STR Size: 4" **Orientation: Vertical Up** - Vertical Down Issued: 11/19/2010 Revision: 2011 Model: 450ST / 450STR Size: 6" Orientation: Vertical Up Vertical Down Issued: 11/19/2010 Revision: 2011 Model: 450ST / 450STR Size: 8" **Orientation: Vertical Up** - Vertical Down Issued: 11/19/2010 Revision: 2005 Model: 350 Size: 10 inch Horizontal - Vertical Up w/ Wilkins Model 48 Gate Valve or Clow R/W F6136 Gate Valve, Wilkins 49 Butterfly Valve Issued: 2/26/2003 Amended: 5/8/2007, 10/23/2007, 11/4/2008, 1/26/2010 Revision: 2005 Model: 350 Size: 12 inch Horizontal w/ Clow 2640-OSY, Wilkins Model 48 Gate Valve Issued: 5/8/2007 Amended: 5/8/2007 10/23/2007, 11/4/2008, 1/12/2009 Revision: 2005 Model: 350 Size: 2 1/2 inch Horizontal - Vertical Up w/Wilkins Model 48 Gate Valve, or Clow R/W

F6136 Gate Valve

Issued: 2/26/2003

Revision: 2005

Model: 350

Size: 3 inch

Amended: 5/8/2007

10/23/2007, 11/4/2008

Horizontal - Vertical Up

w/ Wilkins Model 48

 butterfly valves, Victaulic
 Gate Valve, or Clow R/W

 702, Clow model
 F6136 Gate Valve

 2638/39/40
 Issued: 2/26/2003

 Issued: 1/9/2012
 Amended: 5/8/2007,

 Amended: 8/15/2012,
 10/23/2007, 11/4/2008

Revision: 2005 Model: 350 Size: 4 inch Horizontal - Vertical Up w/Wilkins Model 48 Gate Valve or Clow R/W F6136 Gate Valve, Wilkins 49 Butterfly Valve Issued: 2/26/2003 Amended: 5/8/2007, 10/23/2007, 11/4/2008, 1/26/2010

Revision: 2005 Model: 350 Size: 6 inch Horizontal - Vertical Up w/Wilkins Model 48 Gate Valve or Clow R/W F6136 Gate Valve, Wilkins 49 Butterfly Valve Issued: 2/26/2003 Amended: 5/8/2007, 10/23/2007, 11/4/2008, 1/26/2010

Revision: 2005 Model: 350 Size: 8 inch Horizontal - Vertical Up w/ Wilkins Model 48 Gate Valve or Clow R/W F6136 Gate Valve, Wilkins 49 Butterfly Valve Issued: 2/26/2003 Amended: 5/8/2007, 10/23/2007, 11/4/2008, 1/26/2010

Revision: 2005 Model: 350 & 350XL Size: 1 1/2 inch Orientation: Horizontal -Vertical Up (shut off valves are an integral part of the device) Issued: 2/26/2003 Amended: 5/8/2007, 10/23/2007, 11/4/2008, 8/20/2012, 1/22/2015

Revision: 2005 Model: 350 & 350XL Size: 1 1/4 inch Orientation: Horizontal -Vertical Up (shut off valves are an integral part of the device) Issued: 2/26/2003 Amended: 5/8/2007, 10/23/2007, 11/4/2008, 8/20/2012, 1/22/2015 Revision: 2005 Model: 350 & 350XL Size: 1 inch Orientation: Horizontal -Vertical Up 350 w/ Wilkins 600 1" shut off Issued: 2/26/2003 Amended: 5/8/2007, 10/23/2007, 11/4/2008, 8/20/2012, 1/22/2015

Revision: 2005 Model: 350 & 350XL Size: 2 inch Orientation: Horizontal -Vertical Up (shut off valves are an integral part of the device) Issued: 2/26/2003 Amended: 5/8/2007, 10/23/2007, 11/4/2008, 8/20/2012, 1/22/2015

Revision: 2005 Model: 350 & 350XL Size: 3/4 inch Orientation: Horizontal -Vertical Up 350 w/ Wilkins 600 3/4" shut off 350XL w/ Wilkins 850XL 3/4" inlet & outlet Issued: 2/26/2003 Amended: 5/8/2007, 10/23/2007, 11/4/2008, 8/20/2012

Revision: 2005 Model: 350A & 350AR Size: 10 inch Orientation: Horizontal -Vertical Up w/ Wilkins Model 48 Gate Valve, Clow R/W F6136 Gate Valve or Victaulic 702 Butterfly Valve, Wilkins 49 Butterfly Valve Issued: 11/13/2006 Amended: 5/8/2007, 10/23/2007, 11/4/2008, 1/26/2010, 8/20/2012

Revision: 2005 Model: 350A & 350AR Size: 2 1/2 inch Orientation: Horizontal -Vertical Up w/ Wilkins Model 48 Gate Valve, Clow R/W F6136 Gate Valve or Victaulic 702 Butterfly, Wilkins 49 Butterfly Valve Issued: 11/13/2006 Amended: 5/8/2007, 10/23/2007, 11/4/2008, 1/26/2010, 8/20/2012

Revision: 2005 Model: 350A & 350AR Size: 3 inch Orientation: Horizontal -Vertical Up w/ Wilkins Model 48 Gate Valve, Clow R/W F6136 Gate Valve, or Victaulic 702 Butterfly, Wilkins 49 Butterfly Valve Issued: 11/13/2006 Amended: 5/8/2007, 10/23/2007, 11/4/2008, 1/26/2010, 8/20/2012 Revision: 2005 Model: 350A & 350AR Size: 4 inch Orientation: Horizontal -Vertical Up w/ Wilkins Model 48 Gate Valve, Clow R/W F6136 Gate Valve or Victaulic 702 Butterfly Valve, Wilkins 49 **Butterfly Valve** Issued: 11/13/2006 Amended: 5/8/2007, 10/23/2007, 11/4/2008, 1/26/2010, 8/20/2012 Revision: 2005 Model: 350A & 350AR Size: 6 inch Orientation: Horizontal -Vertical Up w/ Wilkins Model 48 Gate Valve, Clow R/W F6136 Gate Valve or Victaulic 702 Butterfly Valve, Wilkins 49 Valve, Wilkins 49 Butterfly Valve Issued: 11/13/2006 Amended: 5/8/2007, 10/23/2007, 11/4/2008, 1/26/2010, 8/20/2012 Revision: 2005 Model: 350A & 350AR Size: 8 inch Orientation: Horizontal -Vertical Up w/ Clow R/W F6136 Gate Valve, Victaulic 702 Butterfly Valve or Wiklins Model 48 Gate Valve, Wilkins 49 Butterfly Valve Issued: 11/13/2006 Amended: 5/8/2007, 10/23/2007, 11/4/2008, 1/26/2010, 8/20/2012 Revision: 2005 Model: 350D Size: 3/4 inch Horizontal - Vertical Up w/ Wilkins 3/4" model 850XL & 850TXL Ball Valves-QT Issued: 2/26/2003 Amended: 5/8/2007, 10/23/2007, 11/4/2008,

Revision: 2005 Model: 450 Size: 10 inch Vertical Up/Vertical Down w/ Wilkins Model 48 Gate Valve, Clow R/W F6136 Gate Valve or Victaulic 702 Butterfly Valve, Wilkins 49 Butterfly Valve Issued: 7/24/2001 Amended: 6/1/2005, 11/4/2008, 1/26/2010 Revision: 2005 Model: 450 Size: 2 1/2 inch Vertical Up/Vertical Down w/ Wilkins Model 48 Gate Valve, Clow R/W F6136 Gate Valve or Victaulic 702 Butterfly Valve Issued: 7/24/2001 Amended: 6/1/2005, 11/4/2008 Revision: 2005 Model: 450 Size: 3 inch Vertical Up/Vertical Down w/ Wilkins Model 48 Gate Valve, Clow R/W F6136 Gate Valve or Victaulic 702 Butterfly Valve Issued: 7/24/2001 Amended: 6/1/2005, 11/4/2008 Revision: 2005 Model: 450 Size: 4 inch Vertical Up/Vertical Down w/ Wilkins Model 48 Gate Valve, Clow R/W F6136 Gate Valve or Victaulic 702 Butterfly Valve, Wilkins 49 **Butterfly Valve** Issued: 7/24/2001 Amended: 6/1/2005, 11/4/2008, 1/26/2010 Revision: 2005 Model: 450 Size: 6 inch Vertical Up/Vertical Down w/ Wilkins Model 48 Gate Valve, Clow R/W F6136 Gate Valve or Victaulic 702 Butterfly Valve, Wilkins 49 Butterfly Valve Issued: 7/24/2001 Amended: 6/1/2005, 11/4/2008, 1/26/2010 Revision: 2005 Model: 450 Size: 8 inch Vertical Up/Vertical Down w/ Wilkins Model 48 Gate Valve, Clow R/W F6136 Gate Valve or Victaulic 702 Butterfly

Valve, Wilkins 49 **Butterfly Valve** Issued: 7/24/2001 Amended: 6/1/2005, 11/4/2008, 1/26/2010 Revision: 2005 Model: 950 XLU Size: 1 inch **Orientation: Horizontal** w/ Wilkins 850U & 850TU Issued: 3/1/1994 Amended: 10/23/2007 Revision: 2005 Model: 950 XLU Size: 1-1/2 inch Orientation: Horizontal w/Wilkins 850U & 850TU Issued: 3/1/1994 Amended: 10/23/2007 Revision: 2005 Model: 950 XLU Size: 2 inch **Orientation: Horizontal** w/ Wilkins 850U & 850TU Issued: 3/1/1994 Amended: 10/23/2007 Revision: 2005 Model: 950 XLU Size: 3/4 inch Orientation: Horizontal w/ Wilkins 850U & 850TU Issued: 3/1/1994 Amended: 10/23/2007 Revision: 2005 Model: 950 XLV Size: 1 inch Orientation: Horizontal w/ Wilkins 850 & 850T Issued: 3/1/1994 Amended: 10/23/2007 Revision: 2005 Model: 950 XLV Size: 3/4 inch Orientation: Horizontal w/ Wilkins 850 & 850T Issued: 3/1/1994 Amended: 10/23/2007 Revision: 2005 Model: 950XL Size: 1 1/2 inch Orientation: Horizontal -Vertical Up w/ Wilkins 600 WOG Issued: 3/1/1994 Amended: 10/23/2007 Revision: 2005 Model: 950XL Size: 1 1/4 inch Orientation: Horizontal -Vertical Up w/ Wilkins 600 WOG Issued: 3/1/1994

Amended: 10/23/2007

Revision: 2005 Model: 950XL Size: 1 inch Orientation: Horizontal w/ Wilkins 850 & 850T Issued: 3/1/1994 Amended: 10/23/2007

Revision: 2005 Model: 950XL Size: 2 inch Orientation: Horizontal -Vertical Up w/ Wilkins 600 WOG Issued: 3/1/1994 Amended: 10/23/2007

Revision: 2005 Model: 950XL Size: 3/4 inch Orientation: Horizontal -Vertical Up w/Fortune Series (Wilkins Tag) Ball Valves QT Issued: 3/1/1994 Amended: 10/23/2007

Revision: 2005 Model: 950XLT Size: 1 inch Orientation: Horizontal w/ Fortune Figure 601 Issued: 3/1/1994 Amended: 10/23/2007

Revision: 2005 Model: 950XLT Size: 3/4 inch Orientation: Horizontal w/ Fortune Figure 601 Issued: 3/1/1994 Amended: 10/23/2007

Revision: 2005 Model: 950XLT & 950XLT2 Size: 1 1/2 inch Orientation: Horizontal -Vertical Up 950XLT w/ Fortune Series (Wilkins tag) Ball Valves QT 950XLT2 w/ WIlkins 850XL & 850TXL

Issued: 3/1/1994 Amended: 10/23/2007, 8/20/2012

Revision: 2005 Model: 950XLT & 950XLT2 Size: 1 1/4 inch Orientation: Horizontal -Vertical Up 950XLT w/ Fortune Series 620/623 950XLT2 w/ Wilkins 850XL & 850TXL Issued: 3/1/1994 Amended: 10/23/2007, 8/20/2012

6/19/2015

Revision: 2005	Revision: 2005	Revision: 2017	Revision: 2017	Revision: 2017
Model: 950XLT &	Model: 950XLTBF &	Model: Rada Sense EMV	Model: S59-1000T1*	Model: TMVT1*
950XLT2 Size: 2 inch	950XLTBFSS Size: 1 1/2 inch	S NPT HP (1503.382) Size: 1/2" NPT	Pressure Balancing Valve with Digital Temperature	Navigator [®] Thermostatic Mixing Valve with Digital
Orientation: Horizontal -	Orientation: Horizontal -	Type T	Display (EFT1)	Temperature Display
Vertical Up	Vertical Up	Issued: 10/23/2013	Issued: 10/11/2004	(S59-2005T1)
950XLT w/ Fortune Series (Wilkins tag) Ball	w/ BBSC100 & BBSCS02	Amended: 8/20/2018	Amended: 1/3/2007, 12/4/2007, 1/14/2013,	Note: Series model numbers designated
Valves QT	Issued: 3/1/1994	Revision: 2017	12/31/2018	with a "*" may be
950XLT2 w/ Wilkins	Amended: 10/23/2007,	Model: Rada Sense EMV		followed by alpha-
850XL & 850TXL	4/15/2009, 8/20/2012	W NPT (1503.381)	Revision: 2017	numeric codes, which
Issued: 3/1/1994 Amended: 10/23/2007,	Revision: 2005	Size: 1/2" NPT	Model: S59-1001* Equa-Flo Pressure	does not affect function or form of the products,
8/20/2012	Model: 950XLTBF &	Issued: 10/23/2013	Balancing Valve (C5)	to indicate:
	950XLTBFSS	Amended: 8/20/2018	Issued: 10/11/2004	o Customer
Revision: 2005 Model: 950XLT2	Size: 1 1/4 inch Orientation: Horizontal -	Bradley Corporation	Revision: 2017	model number Issued: 10/11/2004
Size: 1 inch	Vertical Up	Revision: 2017	Model: \$59-1005*	135020. 10/11/2004
Orientation: Horizontal -	w/ BBSC100 & BBSCS02	Model: C5*	Equa-Flo Pressure	Chicago Faucet / A
Vertical Up	Issued: 3/1/1994	Equa-Flo Pressure	Balancing Valve (HD)	Geberit Company
w/ Wilkins 850XL & 850TXL	Amended: 10/23/2007, 4/15/2009, 8/20/2012	Balancing Valve (S59- 1001)	Issued: 10/11/2004	Revision: 2017 Model: 1900- (CP,
Issued: 10/6/2009	4/13/2003, 0/20/2012	Issued: 10/11/2004	Revision: 2017	600CP, 621CP, VOCP,
	Revision: 2005		Model: \$59-1005\$R*	VOCCP)
Revision: 2005 Model: 950XLT2	Model: 950XLTBF & 950XLTBFSS	Revision: 2017 Model: EF*	SafeCare Equa-Flo HD Ligature Resistant	Size: 1/2" Type P
Size: 3/4 inch	Size: 2 inch	Pressure Balancing Valve	Pressure Balancing Valve	Issued: 5/28/2009
Orientation: Horizontal -	Orientation: Horizontal -	(\$59-1000)	(HDSR)	
Vertical Up	Vertical Up	Issued: 10/11/2004	İssued: 10/11/2004	Revision: 2017
w/ Wilkins 850XL & 850TXL	w/ BBSC100 & BBSCS02 Issued: 3/1/1994	Amended: 1/3/2007, 12/4/2007, 1/14/2013,	Amended: 1/3/2007, 12/4/2007, 1/14/2013,	Model: 1905- (CP, 600CP, 621CP, VOCP,
Issued: 10/6/2009	Amended: 10/23/2007,	12/31/2018	12/31/2018	VOCCP)
Devision 2005	4/15/2009, 8/20/2012	Devision 2017	Devision 2017	Size: 1/2"
Revision: 2005 Model: 950XLT2BF &		Revision: 2017 Model: EFT1*	Revision: 2017 Model: S59-1005T1*	Type P/T Issued: 5/28/2009
950XLT2BFSS	STANDARD #ASSE	Pressure Balancing Valve	Equa-Flo Pressure	135000. 372072003
Size: 1 1/2 inch	1016	with Digital Temperature	Balancing Valve with	Revision: 2017
Orientation: Horizontal - Vertical Up	ASSE 1016-2017 / ASME	Display (S59-1000T1) Issued: 10/11/2004	Digital Temperature Display (HDT1)	Model: 1907- (CP, 600CP, 621CP, VOCP,
W/ Wilkins Model	A112.1016-2017 / CSA	Issued. 10/11/2004	Issued: 10/11/2004	VOCCP)
49BRXL (Milwaukee	B125.16-17 Automatic Compensating Valves	Revision: 2017		Size: 1/2"
UPBBTSCW) & 49BRXLSS	for Individual Showers &	Model: HD*	Revision: 2017	Type P/T
(Milwaukee UPBBTSCS02W)	Tub/Shower	Equa-Flo Pressure Balancing Valve (S59-	Model: S59-2005* Navigator [®] Thermostatic	Issued: 5/28/2009
lssued: 3/1/1994	Combination	1005)	Mixing Valve for shower	Revision: 2017
Amended: 6/19/2015	ASSE-2017	Issued: 10/11/2004	application (TMV) Issued: 10/11/2004	Model: 2500 Exemption from
Revision: 2005				
Model: 950XLT2BF &		Revision: 2017	135020.10/11/2004	
	Armstrong Hot Water	Revision: 2017 Model: HDSR*	Revision: 2017	displaying the logo granted 11/21/2005
950XLT2BFSS	Armstrong Hot Water Group Revision: 2017	Model: HDSR* SafeCare Equa-Flo HD	Revision: 2017 Model: S59-2005T1*	displaying the logo granted 11/21/2005 Issued: 5/14/1996
950XLT2BFSS Size: 1 1/4 inch	Group Revision: 2017 Model: Rada 222	Model: HDSR* SafeCare Equa-Flo HD Ligature Resistant	Revision: 2017 Model: S59-2005T1* Navigator® Thermostatic	displaying the logo granted 11/21/2005 Issued: 5/14/1996 Amended: 5/4/2001,
950XLT2BFSS Size: 1 1/4 inch Orientation: Horizontal - Vertical Up	Group Revision: 2017 Model: Rada 222 AL/Rada 222 AN	Model: HDSR* SafeCare Equa-Flo HD Ligature Resistant Pressure Balancing Valve (S59-1005SR)	Revision: 2017 Model: S59-2005T1*	displaying the logo granted 11/21/2005 Issued: 5/14/1996
950XLT2BFSS Size: 1 1/4 inch Orientation: Horizontal - Vertical Up W/ Wilkins Model	Group Revision: 2017 Model: Rada 222	Model: HDSR* SafeCare Equa-Flo HD Ligature Resistant Pressure Balancing Valve	Revision: 2017 Model: S59-2005T1* Navigator® Thermostatic Mixing Valve with Digital Temperature Display (TMVT1)	displaying the logo granted 11/21/2005 Issued: 5/14/1996 Amended: 5/4/2001, 11/21/2005, 4/18/2007, 5/28/2015
950XLT2BFSS Size: 1 1/4 inch Orientation: Horizontal - Vertical Up W/ Wilkins Model 49BRXL (Milwaukee	Group Revision: 2017 Model: Rada 222 AL/Rada 222 AN Size: 3/4" This model tested and approved to ASSE 1016-	Model: HDSR* SafeCare Equa-Flo HD Ligature Resistant Pressure Balancing Valve (S59-1005SR) Issued: 10/11/2004	Revision: 2017 Model: S59-2005T1* Navigator® Thermostatic Mixing Valve with Digital Temperature Display	displaying the logo granted 11/21/2005 Issued: 5/14/1996 Amended: 5/4/2001, 11/21/2005, 4/18/2007, 5/28/2015 Revision: 2017
950XLT2BFSS Size: 1 1/4 inch Orientation: Horizontal - Vertical Up W/ Wilkins Model 49BRXL (Milwaukee UPBBTSCW) & 49BRXLSS (Milwaukee	Group Revision: 2017 Model: Rada 222 AL/Rada 222 AN Size: 3/4" This model tested and approved to ASSE 1016- 2011/ASME A112.1016-	Model: HDSR* SafeCare Equa-Flo HD Ligature Resistant Pressure Balancing Valve (S59-1005SR) Issued: 10/11/2004 Revision: 2017 Model: HDT1*	Revision: 2017 Model: S59-2005T1* Navigator® Thermostatic Mixing Valve with Digital Temperature Display (TMVT1) Issued: 10/11/2004 Revision: 2017	displaying the logo granted 11/21/2005 Issued: 5/14/1996 Amended: 5/4/2001, 11/21/2005, 4/18/2007, 5/28/2015 Revision: 2017 Model: 2501 Exemption from
950XLT2BFSS Size: 1 1/4 inch Orientation: Horizontal - Vertical Up W/ Wilkins Model 49BRXL (Milwaukee UPBBTSCW) & 49BRXLSS (Milwaukee UPBBTSCS02W)	Group Revision: 2017 Model: Rada 222 AL/Rada 222 AN Size: 3/4" This model tested and approved to ASSE 1016-	Model: HDSR* SafeCare Equa-Flo HD Ligature Resistant Pressure Balancing Valve (S59-1005SR) Issued: 10/11/2004 Revision: 2017 Model: HDT1* Equa-Flo Pressure	Revision: 2017 Model: S59-2005T1* Navigator® Thermostatic Mixing Valve with Digital Temperature Display (TMVT1) Issued: 10/11/2004 Revision: 2017 Model: TMV*	displaying the logo granted 11/21/2005 Issued: 5/14/1996 Amended: 5/4/2001, 11/21/2005, 4/18/2007, 5/28/2015 Revision: 2017 Model: 2501 Exemption from displaying the logo
950XLT2BFSS Size: 1 1/4 inch Orientation: Horizontal - Vertical Up W/ Wilkins Model 49BRXL (Milwaukee UPBBTSCW) & 49BRXLSS (Milwaukee UPBBTSCS02W) Issued: 3/1/1994	Group Revision: 2017 Model: Rada 222 AL/Rada 222 AN Size: 3/4" This model tested and approved to ASSE 1016- 2011/ASME A112.1016- 2011/CSA B125.16-11	Model: HDSR* SafeCare Equa-Flo HD Ligature Resistant Pressure Balancing Valve (S59-1005SR) Issued: 10/11/2004 Revision: 2017 Model: HDT1* Equa-Flo Pressure Balancing Valve with	Revision: 2017 Model: S59-2005T1* Navigator® Thermostatic Mixing Valve with Digital Temperature Display (TMVT1) Issued: 10/11/2004 Revision: 2017 Model: TMV* Navigator® Thermostatic	displaying the logo granted 11/21/2005 Issued: 5/14/1996 Amended: 5/4/2001, 11/21/2005, 4/18/2007, 5/28/2015 Revision: 2017 Model: 2501 Exemption from displaying the logo granted 11/21/2005
950XLT2BFSS Size: 1 1/4 inch Orientation: Horizontal - Vertical Up W/ Wilkins Model 49BRXL (Milwaukee UPBBTSCW) & 49BRXLSS (Milwaukee UPBBTSCS02W) Issued: 3/1/1994 Amended: 6/19/2015	Group Revision: 2017 Model: Rada 222 AL/Rada 222 AN Size: 3/4" This model tested and approved to ASSE 1016- 2011/ASME A112.1016- 2011/CSA B125.16-11 Issued: 10/23/2013 Amended: 8/20/2018	Model: HDSR* SafeCare Equa-Flo HD Ligature Resistant Pressure Balancing Valve (S59-1005SR) Issued: 10/11/2004 Revision: 2017 Model: HDT1* Equa-Flo Pressure	Revision: 2017 Model: S59-2005T1* Navigator® Thermostatic Mixing Valve with Digital Temperature Display (TMVT1) Issued: 10/11/2004 Revision: 2017 Model: TMV*	displaying the logo granted 11/21/2005 Issued: 5/14/1996 Amended: 5/4/2001, 11/21/2005, 4/18/2007, 5/28/2015 Revision: 2017 Model: 2501 Exemption from displaying the logo granted 11/21/2005 Issued: 5/14/1996 Amended: 5/4/2001,
950XLT2BFSS Size: 1 1/4 inch Orientation: Horizontal - Vertical Up W/ Wilkins Model 49BRXL (Milwaukee UPBBTSCW) & 49BRXLSS (Milwaukee UPBBTSCS02W) Issued: 3/1/1994 Amended: 6/19/2015 Revision: 2005	Group Revision: 2017 Model: Rada 222 AL/Rada 222 AN Size: 3/4" This model tested and approved to ASSE 1016- 2011/ASME A112.1016- 2011/CSA B125.16-11 Issued: 10/23/2013	Model: HDSR* SafeCare Equa-Flo HD Ligature Resistant Pressure Balancing Valve (S59-1005SR) Issued: 10/11/2004 Revision: 2017 Model: HDT1* Equa-Flo Pressure Balancing Valve with Digital Temperature	Revision: 2017 Model: S59-2005T1* Navigator® Thermostatic Mixing Valve with Digital Temperature Display (TMVT1) Issued: 10/11/2004 Revision: 2017 Model: TMV* Navigator® Thermostatic Mixing Valve for shower	displaying the logo granted 11/21/2005 Issued: 5/14/1996 Amended: 5/4/2001, 11/21/2005, 4/18/2007, 5/28/2015 Revision: 2017 Model: 2501 Exemption from displaying the logo granted 11/21/2005 Issued: 5/14/1996 Amended: 5/4/2001, 11/21/2005, 4/18/2007,
950XLT2BFSS Size: 1 1/4 inch Orientation: Horizontal - Vertical Up W/ Wilkins Model 49BRXL (Milwaukee UPBBTSCW) & 49BRXLSS (Milwaukee UPBBTSCS02W) Issued: 3/1/1994 Amended: 6/19/2015 Revision: 2005 Model: 950XLT2BF &	Group Revision: 2017 Model: Rada 222 AL/Rada 222 AN Size: 3/4" This model tested and approved to ASSE 1016- 2011/ASME A112.1016- 2011/CSA B125.16-11 Issued: 10/23/2013 Amended: 8/20/2018 Revision: 2017 Model: Rada Sense EMV B NPT (1503.385)	Model: HDSR* SafeCare Equa-Flo HD Ligature Resistant Pressure Balancing Valve (S59-1005SR) Issued: 10/11/2004 Revision: 2017 Model: HDT1* Equa-Flo Pressure Balancing Valve with Digital Temperature Display (S59-1005T1) Issued: 10/11/2004	Revision: 2017 Model: S59-2005T1* Navigator® Thermostatic Mixing Valve with Digital Temperature Display (TMVT1) Issued: 10/11/2004 Revision: 2017 Model: TMV* Navigator® Thermostatic Mixing Valve for shower application (S59-2005)	displaying the logo granted 11/21/2005 Issued: 5/14/1996 Amended: 5/4/2001, 11/21/2005, 4/18/2007, 5/28/2015 Revision: 2017 Model: 2501 Exemption from displaying the logo granted 11/21/2005 Issued: 5/14/1996 Amended: 5/4/2001,
950XLT2BFSS Size: 1 1/4 inch Orientation: Horizontal - Vertical Up W/ Wilkins Model 49BRXL (Milwaukee UPBBTSCW) & 49BRXLSS (Milwaukee UPBBTSCS02W) Issued: 3/1/1994 Amended: 6/19/2015 Revision: 2005	Group Revision: 2017 Model: Rada 222 AL/Rada 222 AN Size: 3/4" This model tested and approved to ASSE 1016- 2011/ASME A112.1016- 2011/CSA B125.16-11 Issued: 10/23/2013 Amended: 8/20/2018 Revision: 2017 Model: Rada Sense EMV B NPT (1503.385) Size: 1/2" NPT	Model: HDSR* SafeCare Equa-Flo HD Ligature Resistant Pressure Balancing Valve (S59-1005SR) Issued: 10/11/2004 Revision: 2017 Model: HDT1* Equa-Flo Pressure Balancing Valve with Digital Temperature Display (S59-1005T1)	Revision: 2017 Model: S59-2005T1* Navigator® Thermostatic Mixing Valve with Digital Temperature Display (TMVT1) Issued: 10/11/2004 Revision: 2017 Model: TMV* Navigator® Thermostatic Mixing Valve for shower application (S59-2005)	displaying the logo granted 11/21/2005 Issued: 5/14/1996 Amended: 5/4/2001, 11/21/2005, 4/18/2007, 5/28/2015 Revision: 2017 Model: 2501 Exemption from displaying the logo granted 11/21/2005 Issued: 5/14/1996 Amended: 5/4/2001, 11/21/2005, 4/18/2007,
950XLT2BFSS Size: 1 1/4 inch Orientation: Horizontal - Vertical Up W/ Wilkins Model 49BRXL (Milwaukee UPBBTSCW) & 49BRXLSS (Milwaukee UPBBTSCS02W) Issued: 3/1/1994 Amended: 6/19/2015 Revision: 2005 Model: 950XLT2BF & 950XLT2BFSS Size: 2 inch Orientation: Horizontal -	Group Revision: 2017 Model: Rada 222 AL/Rada 222 AN Size: 3/4" This model tested and approved to ASSE 1016- 2011/ASME A112.1016- 2011/CSA B125.16-11 Issued: 10/23/2013 Amended: 8/20/2018 Revision: 2017 Model: Rada Sense EMV B NPT (1503.385) Size: 1/2" NPT Type T	Model: HDSR* SafeCare Equa-Flo HD Ligature Resistant Pressure Balancing Valve (S59-1005SR) Issued: 10/11/2004 Revision: 2017 Model: HDT1* Equa-Flo Pressure Balancing Valve with Digital Temperature Display (S59-1005T1) Issued: 10/11/2004 Revision: 2017 Model: S59-1000* Pressure Balancing Valve	Revision: 2017 Model: S59-2005T1* Navigator® Thermostatic Mixing Valve with Digital Temperature Display (TMVT1) Issued: 10/11/2004 Revision: 2017 Model: TMV* Navigator® Thermostatic Mixing Valve for shower application (S59-2005)	displaying the logo granted 11/21/2005 Issued: 5/14/1996 Amended: 5/4/2001, 11/21/2005, 4/18/2007, 5/28/2015 Revision: 2017 Model: 2501 Exemption from displaying the logo granted 11/21/2005 Issued: 5/14/1996 Amended: 5/4/2001, 11/21/2005, 4/18/2007, 5/28/2015 Revision: 2017 Model: 2502
950XLT2BFSS Size: 1 1/4 inch Orientation: Horizontal - Vertical Up W/ Wilkins Model 49BRXL (Milwaukee UPBBTSCW) & 49BRXLSS (Milwaukee UPBBTSCS02W) Issued: 3/1/1994 Amended: 6/19/2015 Revision: 2005 Model: 950XLT2BF & 950XLT2BFSS Size: 2 inch Orientation: Horizontal - Vertical Up	Group Revision: 2017 Model: Rada 222 AL/Rada 222 AN Size: 3/4" This model tested and approved to ASSE 1016- 2011/ASME A112.1016- 2011/CSA B125.16-11 Issued: 10/23/2013 Amended: 8/20/2018 Revision: 2017 Model: Rada Sense EMV B NPT (1503.385) Size: 1/2" NPT	Model: HDSR* SafeCare Equa-Flo HD Ligature Resistant Pressure Balancing Valve (S59-1005SR) Issued: 10/11/2004 Revision: 2017 Model: HDT1* Equa-Flo Pressure Balancing Valve with Digital Temperature Display (S59-1005T1) Issued: 10/11/2004 Revision: 2017 Model: S59-1000* Pressure Balancing Valve (EF)	Revision: 2017 Model: S59-2005T1* Navigator® Thermostatic Mixing Valve with Digital Temperature Display (TMVT1) Issued: 10/11/2004 Revision: 2017 Model: TMV* Navigator® Thermostatic Mixing Valve for shower application (S59-2005)	displaying the logo granted 11/21/2005 Issued: 5/14/1996 Amended: 5/4/2001, 11/21/2005, 4/18/2007, 5/28/2015 Revision: 2017 Model: 2501 Exemption from displaying the logo granted 11/21/2005 Issued: 5/14/1996 Amended: 5/4/2001, 11/21/2005, 4/18/2007, 5/28/2015 Revision: 2017 Model: 2502 Exemption from
950XLT2BFSS Size: 1 1/4 inch Orientation: Horizontal - Vertical Up W/ Wilkins Model 49BRXL (Milwaukee UPBBTSCW) & 49BRXLSS (Milwaukee UPBBTSCS02W) Issued: 3/1/1994 Amended: 6/19/2015 Revision: 2005 Model: 950XLT2BF & 950XLT2BFSS Size: 2 inch Orientation: Horizontal - Vertical Up W/ Wilkins Model	Group Revision: 2017 Model: Rada 222 AL/Rada 222 AN Size: 3/4" This model tested and approved to ASSE 1016- 2011/ASME A112.1016- 2011/CSA B125.16-11 Issued: 10/23/2013 Amended: 8/20/2018 Revision: 2017 Model: Rada Sense EMV B NPT (1503.385) Size: 1/2" NPT Type T Issued: 10/23/2013 Amended: 8/20/2018	Model: HDSR* SafeCare Equa-Flo HD Ligature Resistant Pressure Balancing Valve (S59-1005SR) Issued: 10/11/2004 Revision: 2017 Model: HDT1* Equa-Flo Pressure Balancing Valve with Digital Temperature Display (S59-1005T1) Issued: 10/11/2004 Revision: 2017 Model: S59-1000* Pressure Balancing Valve (EF) Issued: 8/31/2011	Revision: 2017 Model: S59-2005T1* Navigator® Thermostatic Mixing Valve with Digital Temperature Display (TMVT1) Issued: 10/11/2004 Revision: 2017 Model: TMV* Navigator® Thermostatic Mixing Valve for shower application (S59-2005)	displaying the logo granted 11/21/2005 Issued: 5/14/1996 Amended: 5/4/2001, 11/21/2005, 4/18/2007, 5/28/2015 Revision: 2017 Model: 2501 Exemption from displaying the logo granted 11/21/2005 Issued: 5/14/1996 Amended: 5/4/2001, 11/21/2005, 4/18/2007, 5/28/2015 Revision: 2017 Model: 2502 Exemption from displaying the logo
950XLT2BFSS Size: 1 1/4 inch Orientation: Horizontal - Vertical Up W/ Wilkins Model 49BRXL (Milwaukee UPBBTSCW) & 49BRXLSS (Milwaukee UPBBTSCS02W) Issued: 3/1/1994 Amended: 6/19/2015 Revision: 2005 Model: 950XLT2BF & 950XLT2BFSS Size: 2 inch Orientation: Horizontal - Vertical Up W/ Wilkins Model 49BRXL (Milwaukee UPBBTSCW) & 49BRXLSS	Group Revision: 2017 Model: Rada 222 AL/Rada 222 AN Size: 3/4" This model tested and approved to ASSE 1016- 2011/ASME A112.1016- 2011/CSA B125.16-11 Issued: 10/23/2013 Amended: 8/20/2018 Revision: 2017 Model: Rada Sense EMV B NPT (1503.385) Size: 1/2" NPT Type T Issued: 10/23/2013 Amended: 8/20/2018 Revision: 2017	Model: HDSR* SafeCare Equa-Flo HD Ligature Resistant Pressure Balancing Valve (S59-1005SR) Issued: 10/11/2004 Revision: 2017 Model: HDT1* Equa-Flo Pressure Balancing Valve with Digital Temperature Display (S59-1005T1) Issued: 10/11/2004 Revision: 2017 Model: S59-1000* Pressure Balancing Valve (EF) Issued: 8/31/2011 Amended: 1/3/2007, 12/4/2007, 1/14/2013,	Revision: 2017 Model: S59-2005T1* Navigator® Thermostatic Mixing Valve with Digital Temperature Display (TMVT1) Issued: 10/11/2004 Revision: 2017 Model: TMV* Navigator® Thermostatic Mixing Valve for shower application (S59-2005)	displaying the logo granted 11/21/2005 Issued: 5/14/1996 Amended: 5/4/2001, 11/21/2005, 4/18/2007, 5/28/2015 Revision: 2017 Model: 2501 Exemption from displaying the logo granted 11/21/2005 Issued: 5/14/1996 Amended: 5/4/2001, 11/21/2005, 4/18/2007, 5/28/2015 Revision: 2017 Model: 2502 Exemption from displaying the logo granted 11/21/2005 Issued: 5/14/1996
950XLT2BFSS Size: 1 1/4 inch Orientation: Horizontal - Vertical Up W/ Wilkins Model 49BRXL (Milwaukee UPBBTSCW) & 49BRXLSS (Milwaukee UPBBTSCS02W) Issued: 3/1/1994 Amended: 6/19/2015 Revision: 2005 Model: 950XLT2BF & 950XLT2BFSS Size: 2 inch Orientation: Horizontal - Vertical Up W/ Wilkins Model 49BRXL (Milwaukee UPBBTSCW) & 49BRXLSS (Milwaukee	Group Revision: 2017 Model: Rada 222 AL/Rada 222 AN Size: 3/4" This model tested and approved to ASSE 1016- 2011/ASME A112.1016- 2011/CSA B125.16-11 Issued: 10/23/2013 Amended: 8/20/2018 Revision: 2017 Model: Rada Sense EMV B NPT (1503.385) Size: 1/2" NPT Type T Issued: 10/23/2013 Amended: 8/20/2018 Revision: 2017 Model: Rada Sense EMV BSM NPT (1503.383)	Model: HDSR* SafeCare Equa-Flo HD Ligature Resistant Pressure Balancing Valve (S59-1005SR) Issued: 10/11/2004 Revision: 2017 Model: HDT1* Equa-Flo Pressure Balancing Valve with Digital Temperature Display (S59-1005T1) Issued: 10/11/2004 Revision: 2017 Model: S59-1000* Pressure Balancing Valve (EF) Issued: 8/31/2011 Amended: 1/3/2007,	Revision: 2017 Model: S59-2005T1* Navigator® Thermostatic Mixing Valve with Digital Temperature Display (TMVT1) Issued: 10/11/2004 Revision: 2017 Model: TMV* Navigator® Thermostatic Mixing Valve for shower application (S59-2005)	displaying the logo granted 11/21/2005 Issued: 5/14/1996 Amended: 5/4/2001, 11/21/2005, 4/18/2007, 5/28/2015 Revision: 2017 Model: 2501 Exemption from displaying the logo granted 11/21/2005 Issued: 5/14/1996 Amended: 5/14/1996 Revision: 2017 Model: 2502 Exemption from displaying the logo granted 11/21/2005 Issued: 5/14/1996 Amended: 5/4/2001,
950XLT2BFSS Size: 1 1/4 inch Orientation: Horizontal - Vertical Up W/ Wilkins Model 49BRXL (Milwaukee UPBBTSCW) & 49BRXLSS (Milwaukee UPBBTSCS02W) Issued: 3/1/1994 Amended: 6/19/2015 Revision: 2005 Model: 950XLT2BF & 950XLT2BFSS Size: 2 inch Orientation: Horizontal - Vertical Up W/ Wilkins Model 49BRXL (Milwaukee UPBBTSCW) & 49BRXLSS (Milwaukee UPBBTSCS02W)	Group Revision: 2017 Model: Rada 222 AL/Rada 222 AN Size: 3/4" This model tested and approved to ASSE 1016- 2011/ASME A112.1016- 2011/CSA B125.16-11 Issued: 10/23/2013 Amended: 8/20/2018 Revision: 2017 Model: Rada Sense EMV B NPT (1503.385) Size: 1/2" NPT Type T Issued: 10/23/2013 Amended: 8/20/2018 Revision: 2017 Model: Rada Sense EMV BSM NPT (1503.383) Size: 3/4" NPT	Model: HDSR* SafeCare Equa-Flo HD Ligature Resistant Pressure Balancing Valve (S59-1005SR) Issued: 10/11/2004 Revision: 2017 Model: HDT1* Equa-Flo Pressure Balancing Valve with Digital Temperature Display (S59-1005T1) Issued: 10/11/2004 Revision: 2017 Model: S59-1000* Pressure Balancing Valve (EF) Issued: 8/31/2011 Amended: 1/3/2007, 12/4/2007, 1/14/2013,	Revision: 2017 Model: S59-2005T1* Navigator® Thermostatic Mixing Valve with Digital Temperature Display (TMVT1) Issued: 10/11/2004 Revision: 2017 Model: TMV* Navigator® Thermostatic Mixing Valve for shower application (S59-2005)	displaying the logo granted 11/21/2005 Issued: 5/14/1996 Amended: 5/4/2001, 11/21/2005, 4/18/2007, 5/28/2015 Revision: 2017 Model: 2501 Exemption from displaying the logo granted 11/21/2005 Issued: 5/14/1996 Amended: 5/4/2001, 11/21/2005, 4/18/2007, 5/28/2015 Revision: 2017 Model: 2502 Exemption from displaying the logo granted 11/21/2005 Issued: 5/14/1996 Amended: 5/4/2001, 11/21/2005, 4/18/2007,
950XLT2BFSS Size: 1 1/4 inch Orientation: Horizontal - Vertical Up W/ Wilkins Model 49BRXL (Milwaukee UPBBTSCW) & 49BRXLSS (Milwaukee UPBBTSCS02W) Issued: 3/1/1994 Amended: 6/19/2015 Revision: 2005 Model: 950XLT2BF & 950XLT2BFSS Size: 2 inch Orientation: Horizontal - Vertical Up W/ Wilkins Model 49BRXL (Milwaukee UPBBTSCW) & 49BRXLSS (Milwaukee	Group Revision: 2017 Model: Rada 222 AL/Rada 222 AN Size: 3/4" This model tested and approved to ASSE 1016- 2011/ASME A112.1016- 2011/CSA B125.16-11 Issued: 10/23/2013 Amended: 8/20/2018 Revision: 2017 Model: Rada Sense EMV B NPT (1503.385) Size: 1/2" NPT Type T Issued: 10/23/2013 Amended: 8/20/2018 Revision: 2017 Model: Rada Sense EMV BSM NPT (1503.383) Size: 3/4" NPT Type T	Model: HDSR* SafeCare Equa-Flo HD Ligature Resistant Pressure Balancing Valve (S59-1005SR) Issued: 10/11/2004 Revision: 2017 Model: HDT1* Equa-Flo Pressure Balancing Valve with Digital Temperature Display (S59-1005T1) Issued: 10/11/2004 Revision: 2017 Model: S59-1000* Pressure Balancing Valve (EF) Issued: 8/31/2011 Amended: 1/3/2007, 12/4/2007, 1/14/2013,	Revision: 2017 Model: S59-2005T1* Navigator® Thermostatic Mixing Valve with Digital Temperature Display (TMVT1) Issued: 10/11/2004 Revision: 2017 Model: TMV* Navigator® Thermostatic Mixing Valve for shower application (S59-2005)	displaying the logo granted 11/21/2005 Issued: 5/14/1996 Amended: 5/4/2001, 11/21/2005, 4/18/2007, 5/28/2015 Revision: 2017 Model: 2501 Exemption from displaying the logo granted 11/21/2005 Issued: 5/14/1996 Amended: 5/14/1996 Revision: 2017 Model: 2502 Exemption from displaying the logo granted 11/21/2005 Issued: 5/14/1996 Amended: 5/4/2001,
950XLT2BFSS Size: 1 1/4 inch Orientation: Horizontal - Vertical Up W/ Wilkins Model 49BRXL (Milwaukee UPBBTSCW) & 49BRXLSS (Milwaukee UPBBTSCS02W) Issued: 3/1/1994 Amended: 6/19/2015 Revision: 2005 Model: 950XLT2BF & 950XLT2BFSS Size: 2 inch Orientation: Horizontal - Vertical Up W/ Wilkins Model 49BRXL (Milwaukee UPBBTSCW) & 49BRXLSS (Milwaukee UPBBTSCS02W) Issued: 3/1/1994	Group Revision: 2017 Model: Rada 222 AL/Rada 222 AN Size: 3/4" This model tested and approved to ASSE 1016- 2011/ASME A112.1016- 2011/CSA B125.16-11 Issued: 10/23/2013 Amended: 8/20/2018 Revision: 2017 Model: Rada Sense EMV B NPT (1503.385) Size: 1/2" NPT Type T Issued: 10/23/2013 Amended: 8/20/2018 Revision: 2017 Model: Rada Sense EMV BSM NPT (1503.383) Size: 3/4" NPT	Model: HDSR* SafeCare Equa-Flo HD Ligature Resistant Pressure Balancing Valve (S59-1005SR) Issued: 10/11/2004 Revision: 2017 Model: HDT1* Equa-Flo Pressure Balancing Valve with Digital Temperature Display (S59-1005T1) Issued: 10/11/2004 Revision: 2017 Model: S59-1000* Pressure Balancing Valve (EF) Issued: 8/31/2011 Amended: 1/3/2007, 12/4/2007, 1/14/2013,	Revision: 2017 Model: S59-2005T1* Navigator® Thermostatic Mixing Valve with Digital Temperature Display (TMVT1) Issued: 10/11/2004 Revision: 2017 Model: TMV* Navigator® Thermostatic Mixing Valve for shower application (S59-2005)	displaying the logo granted 11/21/2005 Issued: 5/14/1996 Amended: 5/4/2001, 11/21/2005, 4/18/2007, 5/28/2015 Revision: 2017 Model: 2501 Exemption from displaying the logo granted 11/21/2005 Issued: 5/14/1996 Amended: 5/4/2001, 11/21/2005, 4/18/2007, 5/28/2015 Revision: 2017 Model: 2502 Exemption from displaying the logo granted 11/21/2005 Issued: 5/14/1996 Amended: 5/4/2001, 11/21/2005, 4/18/2007,
950XLT2BFSS Size: 1 1/4 inch Orientation: Horizontal - Vertical Up W/ Wilkins Model 49BRXL (Milwaukee UPBBTSCW) & 49BRXLSS (Milwaukee UPBBTSCS02W) Issued: 3/1/1994 Amended: 6/19/2015 Revision: 2005 Model: 950XLT2BF & 950XLT2BFSS Size: 2 inch Orientation: Horizontal - Vertical Up W/ Wilkins Model 49BRXL (Milwaukee UPBBTSCW) & 49BRXLSS (Milwaukee UPBBTSCS02W) Issued: 3/1/1994	Group Revision: 2017 Model: Rada 222 AL/Rada 222 AN Size: 3/4" This model tested and approved to ASSE 1016- 2011/ASME A112.1016- 2011/CSA B125.16-11 Issued: 10/23/2013 Amended: 8/20/2018 Revision: 2017 Model: Rada Sense EMV B NPT (1503.385) Size: 1/2" NPT Type T Issued: 10/23/2013 Amended: 8/20/2018 Revision: 2017 Model: Rada Sense EMV BSM NPT (1503.383) Size: 3/4" NPT Type T Issued: 10/23/2013 Amended: 8/20/2018	Model: HDSR* SafeCare Equa-Flo HD Ligature Resistant Pressure Balancing Valve (S59-1005SR) Issued: 10/11/2004 Revision: 2017 Model: HDT1* Equa-Flo Pressure Balancing Valve with Digital Temperature Display (S59-1005T1) Issued: 10/11/2004 Revision: 2017 Model: S59-1000* Pressure Balancing Valve (EF) Issued: 8/31/2011 Amended: 1/3/2007, 12/4/2007, 1/14/2013,	Revision: 2017 Model: S59-2005T1* Navigator® Thermostatic Mixing Valve with Digital Temperature Display (TMVT1) Issued: 10/11/2004 Revision: 2017 Model: TMV* Navigator® Thermostatic Mixing Valve for shower application (S59-2005)	displaying the logo granted 11/21/2005 Issued: 5/14/1996 Amended: 5/4/2001, 11/21/2005, 4/18/2007, 5/28/2015 Revision: 2017 Model: 2501 Exemption from displaying the logo granted 11/21/2005 Issued: 5/14/1996 Amended: 5/4/2001, 11/21/2005, 4/18/2007, 5/28/2015 Revision: 2017 Model: 2502 Exemption from displaying the logo granted 11/21/2005 Issued: 5/14/1996 Amended: 5/4/2001, 11/21/2005, 4/18/2007,

Chung Cheng Faucet Co. Revision: 2017 Revision: 2017 Revision: 2017 Revision: 2017 Model: 37P Model: 38TC Model: Rada Sense EMV Model: SS-7600 Revision: 2017 Size: 1/2" NPT male inlet Model: 57 Series Size: 1/2 inch Size: 1/2" S NPT HP (1503.382) Issued: 11/10/2003 Size: 1/2" NPT x 1/2" female sweat (57XXXXXXX#-XX) Issued: 11/10/2003 Amended: 9/29/2004, Size: 1/2 inch Type T outlet # corresponds to A, B, C, 4/14/2008 Revision: 2017 Issued: 3/2/2009 Type T Model: 40BC Issued: 4/28/2009 or D. Issued: 12/1/2014 Revision: 2017 Size: 1/2 Revision: 2017 Amended: 2/8/2010, Issued: 2/15/2005 Model: 37PC Model: Rada Sense EMV 6/14/2010 Amended: 9/29/2004, W NPT (1503.381) Revision: 2017 Size: 1/2 inch Model: 57 Series (57XXXXXXE-XX) Issued: 11/10/2003 4/14/2008 Size: 1/2" NPT Revision: 2017 Model: SS-PAM Amended: 9/29/2004, Type T Size: 1/2 inch 4/14/2008 Revision: 2017 Issued: 3/2/2009 Size: 1/2" Model E Model: 40P Issued: 11/1/2013 Issued: 12/21/2016 Size: 1/2 Revision: 2017 Lawler Manufacturing Model: 37PC-K Issued: 2/15/2005 Moen, Inc. Company, Inc. Hsien Chang Metals Co. Amended: 9/29/2004, Revision: 2017 Revision: 2017 Size: 1/2 inch Issued: 11/10/2003 Amended: 9/29/2004, Revision: 2017 4/14/2008 Model: 3000 Model: .Note: Issued: 7/7/1999 Model numbers listed Model: 01T Size: 1/2" & 3/4" NPT 4/14/2008 Revision: 2017 Amended: 10/2/2007, may be preceded by -FP Model: 40PC Rough in control valve 4/23/2018 to indicate a flush plug Revision: 2017 Size: 1/2 only Issued: 6/18/2018 Issued: 11/10/2003 Model: 37PC-K-PEX Issued: 2/15/2005 Revision: 2017 Amended: 9/29/2004, 5/23/2007, 4/14/2008 Model: 310 Revision: 2017 Model: CFG 45311 Amended: 9/29/2004, Size: 1/2 inch Issued: 11/10/2003 Issued: 7/7/1999 4/14/2008 Size: 1/2" CC/IPS, stops included Issued: 6/6/2001 Amended: 9/29/2004, Amended: 4/23/2018 4/14/2008 Revision: 2017 Revision: 2017 Model: 11T Size: 1/2" & 3/4" NPT Model: PC-D2 Revision: 2017 Model: 7000 Revision: 2017 Amended: 6/17/2018 Size: 1/2' Issued: 11/10/2003 Model: 37P-K Issued: 2/15/2005 Issued: 7/7/1999 Amended: 9/29/2004, 5/23/2007, 4/14/2008 Size: 1/2 inch Amended: 9/29/2004, Amended: 10/2/2007, Revision: 2017 Issued: 11/10/2003 Model: CFG 45312 4/14/2008 4/23/2018 Amended: 9/29/2004, Size: 1/2" 4/14/2008 CC/IPS Revision: 2017 Revision: 2017 Leonard Valve Model: 21T Model: P-D2 Revision: 2017 Issued: 6/6/2001 Size: 1/2" Size: 1/2" & 3/4" NPT Revision: 2017 Model: 7600 Amended: 6/17/2018 Issued: 2/15/2005 Model: 37P-K-PEX Issued: 2/15/2005 Size: 1/2" NPT Amended: 9/29/2004, Amended: 9/29/2004, Size: 1/2 inch Revision: 2017 Type T Model: CFG 45313 Size: 1/2" Issued: 11/10/2003 Issued: 4/28/2009 5/23/2007, 4/14/2008 4/14/2008 Amended: 9/29/2004, Amended: 6/14/2010 Revision: 2017 Model: T-*M01 PEX, includes tub drop 4/14/2008 Revision: 2017 Model: 21TD Revision: 2017 Issued: 6/6/2001 Size: w/ outlet size of Size: 1/2" Amended: 6/17/2018 Revision: 2017 Model: 7600-E 1/2", 3/4", 1" Issued: 11/10/2003 Amended: 1/11/2011 Size: 1/2" FNPT inlet x Model: 38BC Issued: 11/10/2003 1/2" FNPT outlet Revision: 2017 Size: 1/2 Issued: 2/15/2005 Model: CFG 45317 Revision: 2017 Type T Model: 31T Amended: 9/29/2004, Issued: 4/7/2010 Size: 1/2' Size: 1/2" & 3/4" NPT IPS, stops included Issued: 12/13/2004 4/14/2008 Revision: 2017 Amended: 6/14/2010 Model: T-*T01 Complete unit including mixer, shut-off valves Revision: 2017 Size: w/ outlet size of Revision: 2017 Amended: 9/13/2012, and trim package Issued: 11/10/2003 Model: 38P & 38P-PEX 1/2", 3/4", 1" Issued: 11/10/2003 Model: Advantage 6700 6/17/2018 Size: 1/2 inch & Advantage 6700LR Amended: 9/29/2004, Amended: 1/11/2011 Issued: 11/10/2003 Size: 1/2' Revision: 2017 4/14/2008 Amended: 9/29/2004, Issued: 11/1/2013 Model: CFG 45318 Amended: 11/18/1998, 11/19/2007, 2/17/2009, 4/14/2008 Revision: 2017 Size: 1/2" Model: T-*Y01 Revision: 2017 IPS Model: 34P Revision: 2017 Size: w/ outlet size of 6/14/2010 Issued: 12/13/2004 Model: 38PC & 38PC-PEX Size: 1/2 inch 1/2", 3/4", 1" Issued: 11/10/2003 Amended: 9/13/2012, Size: 1/2 inch Issued: 11/10/2003 Revision: 2017 6/17/2018 Amended: 9/29/2004, Issued: 11/10/2003 Amended: 1/11/2011 Model: Aquatrol 4500 & Aquatrol 4500LR 4/14/2008 Amended: 9/29/2004, Revision: 2017 Size: 1/2" Issued: 11/1/2013 4/14/2008 Kohler-Mira Model: CFG 45319 Size: 1/2" Revision: 2017 Revision: 2017 Model: 34P-PEX Revision: 2017 Model: Rada Sense EMV Amended: 11/18/1998, PEX B NPT (1503.385) Size: 1/2" NPT 11/19/2007, 2/17/2009, Size: 1/2 inch Model: 38PC-D Issued: 6/6/2001 Issued: 11/10/2003 Size: 1/2 6/14/2010 Amended: 6/17/2018 Amended: 9/29/2004, Issued: 2/15/2005 Туре Т Amended: 9/29/2004, 4/14/2008 Issued: 3/2/2009 Revision: 2017 Revision: 2017 Model: PAM II ST & PAM 4/14/2008 Model: CFG 45320 II E (PAM II ST LR & PAM Size: 1/2" Revision: 2017 Revision: 2017 Revision: 2017 Model: Rada Sense EMV II E LR) Model: 37BC PEX, stops included Size: 1/2" Size: 1/2' Model: 38P-D BSM NPT (1503.383) Issued: 6/6/2001 Size: 1/2" Size: 3/4" NPT Issued: 2/15/2005 Issued: 11/1/2013 Amended: 6/17/2018 Amended: 9/29/2004, Issued: 2/15/2005 Type T Amended: 11/18/1998, 4/14/2008 Amended: 9/29/2004, Issued: 3/2/2009 11/19/2007, 2/17/2009, 4/14/2008 6/14/2010

Revision: 2017 Model: CFG 45321 Size: 1/2" CPVC, stops included Issued: 6/6/2001 Amended: 6/17/2018 Revision: 2017 Model: CFG 45511 Size: 1/2" CC/IPS, stops included,

volume control valve Issued: 6/6/2001 Amended: 6/17/2018 Revision: 2017 Model: CFG 45513 Size: 1/2"

PEX, volume control with tub drop Issued: 6/6/2001 Amended: 6/17/2018

Revision: 2017 Model: CFG 45514 Size: 1/2" PEX, volume control valve, w/o tub drop Issued: 12/13/2004 Amended: 1/30/2013, 6/17/2018

Revision: 2017 Model: ExactTemp S3371 Size: 3/4" IPS, stops included Issued: 6/6/2001 Amended: 6/17/2018

Revision: 2017 Model: Moentrol 3150 Size: 1/2" IPC, stops included, includes trim Issued: 6/7/2002 Amended: 12/18/2007, 5/26/2010, 6/10/2010, 9/17/2012, 6/17/2018

Revision: 2017 Model: Moentrol 3320 Size: 1/2" IPC, stops included, includes 3 function transfer valve Issued: 5/29/2001 Amended: 12/18/2007, 5/26/2010, 6/10/2010, 9/17/2012, 6/17/2018

Revision: 2017 Model: Moentrol 3330 Size: 1/2" CC, stops included, includes 3 function transfer valve Issued: 5/29/2001 Amended: 12/18/2007, 5/26/2010, 6/10/2010, 9/17/2012, 6/17/2018

Revision: 2017 Model: Moentrol 3350 Size: 1/2" CC, stops included, includes 2 function transfer valve Issued: 3/8/2012 Amended: 9/17/2012, 6/17/2018 Revision: 2017 Model: Moentrol 3510 Size: 1/2" IPS Issued: 6/6/2001 Amended: 6/17/2018 Revision: 2017 Model: Moentrol 3520 Size: 1/2" CC Issued: 6/7/2002 Amended: 12/18/2007, 5/26/2010, 6/10/2010, 9/17/2012, 6/17/2018 Revision: 2017 Model: Moentrol 3570 Size: 1/2" CC, stops included Issued: 6/6/2001 Amended: 8/1/2004, 12/18/2007, 11/10/2008, 4/8/2009, 6/10/2010, 9/17/2012, 6/17/2018 Revision: 2017 Model: Moentrol 63150 Size: 1/2 IPS, stops included Issued: 6/6/2001 Amended: 8/1/2004, 12/18/2007, 11/10/2008, 4/8/2009, 6/10/2010, 9/17/2012, 6/17/2018 Revision: 2017 Model: Moentrol 63170 Size: 1/2' CC, stops included, bulk pack of 3570 Issued: 6/6/2001 Amended: 8/1/2004, 12/18/2007 11/10/2008, 4/8/2009, 6/10/2010, 9/17/2012, 6/17/2018 Revision: 2017 Model: PosiTemp 2510 Size: 1/2" IPS Issued: 6/6/2001 Amended: 8/1/2004, 12/18/2007, 11/10/2008, 4/8/2009, 9/23/2011, 9/17/2012, 6/17/2018

Revision: 2017 Model: PosiTemp 2520 Size: 1/2" CC Issued: 6/6/2001 Amended: 6/17/2018 Revision: 2017 Model: PosiTemp 2570 Size: 1/2' CC, stops included Issued: 6/6/2001 Amended: 8/1/2004, 12/18/2007 11/10/2008, 4/8/2009, 9/17/2012, 6/17/2018 Revision: 2017 Model: PosiTemp 2590 Size: 1/2' IPS, stops included Issued: 6/6/2001 Amended: 6/17/2018 Revision: 2017 Model: PosiTemp 62300 Size: 1/2 IPC, bulk pack of 2510 Issued: 6/6/2001 Amended: 8/1/2004, 12/18/2007, 11/10/2008, 4/8/2009, 9/17/2012, 6/17/2018 Revision: 2017 Model: PosiTemp 62320 Size: 1/2 CC, bulk pack of 2520 Issued: 6/6/2001 Amended: 8/1/2004 12/18/2007, 11/10/2008, 4/8/2009, 9/17/2012, 6/17/2018 Revision: 2017 Model: PosiTemp 62330 Size: 1/2" CPVC, stops included Issued: 6/6/2001 Amended: 6/17/2018 Revision: 2017 Model: PosiTemp 62340 Size: 1/2" CPVC Issued: 6/6/2001 Amended: 6/17/2018 Revision: 2017 Model: PosiTemp 62345 Size: 1/2' CC/IPS Issued: 7/21/2014 Amended: 6/17/2018 Revision: 2017 Model: PosiTemp 62360 Size: 1/2' PEX, stops included Issued: 6/6/2001 Amended: 6/17/2018

Revision: 2017 Model: PosiTemp 62365 Size: 1/2' Cold Exp. PEX Issued: 7/29/2011 Amended: 9/17/2012, 6/17/2018 Revision: 2017 Model: PosiTemp 62370 Size: 1/2 CC, stops included, bulk pack of 2570 issued: 6/6/2001 Amended: 8/1/2004, 12/18/2007 11/10/2008, 4/8/2009, 9/17/2012, 6/17/2018 Revision: 2017 Model: PosiTemp 62380 Size: 1/2" PEX, bulk pack of 2580 Issued: 6/6/2001 Amended: 6/17/2018 Revision: 2017 Model: PosiTemp 62385 Size: 1/2" Cold Exp. PEX, stops included Issued: 6/6/2001 Amended: 6/17/2018 Revision: 2017 Model: PosiTemp 62390 Size: 1/2' IPS, stops included, bulk pack of 2590 issued: 6/6/2001 Amended: 6/17/2018 Revision: 2017 Model: PosiTemp 8370HD Size: 1/2' CC, includes heavy duty cartridge Issued: 1/3/2012 Amended: 9/17/2012, 6/17/2018 Revision: 2017 Model: PosiTemp 8371HD Size: 1/2" CC, stops included, includes heavy duty cartridge Issued: 1/3/2012 Amended: 9/17/2012, 6/17/2018 Revision: 2017 Model: PosiTemp 8372HD Size: 1/2" IPC, stops included, includes heavy dity cartridge Issued: 1/3/2012 Amended: 9/17/2012, 6/17/2018

Revision: 2017 Model: PosiTemp 8373HD Size: 1/2" PEX, stops included, includes heavy duty cartridge Issued: 1/3/2012 Amended: 9/17/2012, 6/17/2018

Revision: 2017 Model: PosiTemp 8374HD Size: 1/2" CPVC, stops included, includes heavy duty cartridge Issued: 6/6/2001 Amended: 6/17/2018

Revision: 2017 Model: PosiTemp 8375HD Size: 1/2" Cold Exp. PEX, stops included, includes heavy duty cartridge Issued: 6/6/2001 Amended: 3/7/2013, 6/17/2018

Revision: 2017 Model: U by Moen S3102 Size: 1/2"

CC Issued: 7/6/2017 Amended: 7/9/2018

Revision: 2017 Model: U by Moen S3104 Size: 3/4" CC Issued: 7/6/2017 Amended: 7/9/2018

Powers, a Watts Regulator Company Revision: 2017 Model: e420 Seriese420T11/T12/T21/T22/S 11/S12/S21/S22 Size: 1/2" NPT and 1/2" Sweat Type P/T Issued: 4/14/2009

Revision: 2017 Model: e423 Series (e423320 & 420-062) Size: 1/2" NPT Type P/T Issued: 4/14/2009

Revision: 2017 Model: e427/e428 High Temp Size: 1/2" Type T Issued: 6/4/2003 Amended: 5/5/2008 Revision: 2017 Model: e427/e428 Low Temp Size: 1/2" Type T Issued: 6/4/2003 Amended: 5/5/2008

Revision: 2017 Model: e428/e427 Size: 1/2 inch Type T Issued: 6/4/2003 Amended: 5/5/2008

Revision: 2017 Model: e705 Size: 1/2 inch Type P/T 1/2" solder connection Issued: 5/31/2003 Amended: 3/10/2004, 3/7/2005, 6/12/2008

Revision: 2017 Model: e707 Size: 1/2 inch Type P/T 1/2" solder connection Issued: 2/27/2006 Amended: 6/12/2008

Revision: 2017 Model: e710 Size: 1/2 inch Type P/T 1/2" solder connection Issued: 5/31/2003 Amended: 3/10/2004, 3/7/2005, 6/12/2008

Revision: 2017 Model: e720 Size: 1/2 inch Type P/T 1/2" NPT connection Issued: 6/12/2008 Amended: 6/12/2008

Revision: 2017 Model: PB410 Series (PB413 & PB417) Size: 1/2" sweat connections Type P Issued: 4/14/2009

Revision: 2017 Model: Series 900 (P902H, P902G, P905H, P905G, P909H, P909G, P910H, P910G) Size: 1/2 inch Type P Issued: 10/6/2003 Amended: 2/21/2008, 5/5/2008

Rohl, LLC Revision: 2017 Model: RCT-1, RCT-2 Issued: 11/30/2017 Steamist Inc. Revision: 2017 Model: TSSH Size: 1/2" NPT TotalSense Shower Valve Issued: 3/3/2015

Gerber Plumbing Fixtures Revision: 2005 Model: 49-700 Series Issued: 10/24/2001 Amended: 2/10/2010

Revision: 2005 Model: 49-800 Series Issued: 10/24/2001 Amended: 2/10/2010

TOTO USA C/O Globe Union Industrial Revision: 2005 Model: TSPTR Size: 1/2 inch Issued: 6/22/2005 Amended: 3/23/2009

Revision: 2005 Model: TSPVR Size: 1/2 inch Issued: 6/22/2005 Amended: 3/23/2009

TOTO USA, Inc. Revision: 2005 Model: TSPTM Size: 1/2 inch Issued: 8/22/2011

Revision: 2005 Model: TSTT Size: 3/4" Issued: 1/5/2009

Revision: 2005 Model: TS-XX and TS-XX(R) Size: 1/2" NPT XX may represent TA, TD, or ST Issued: 1/7/2011 Amended: 4/14/2014

Zurn Industries, Inc. Revision: 2005 Model: 7500-100 Size: 1/2" Sweat Issued: 11/16/2010

Revision: 2005 Model: Temp-Gard III Size: 1/2" (TPK7300-SS, TPK7300-SSC, Z7300-SS, Z7300-SSC) Issued: 3/7/2006 Amended: 11/21/2007, 8/4/2010 Revision: 2005 Model: Z7100-SS, Z7101-SS, Z7120-SS, Z7121-SS, Z7200-SS, Z7201-SS, Z7220-SS, Z7221-SS Issued: 5/25/1993 Amended: 8/13/2007

Revision: 2005 Model: Z7220-SS-RC, Z7221-SS-RC, Z7120-SS-RC, Z7121-SS-RC Issued: 5/25/1993 Amended: 8/13/2007

<u>STANDARD #ASSE</u> 1017

Temperature Actuated Mixing Valves for Hot Water Distribution Systems ASSE-2009

Ademco Inc. / Honeywell Revision: 2009 Model: AM100C-xx-1 Size: 1/2 inch -xx- Includes the following end connections: FNPT, Union Sweat (US), Union NPT (UT), Compression (UC), Union CPVC (UCPVC), Union PEX (UPEX), Union PEX (UPEX), Union Press (UP) Issued: 5/4/2000 Amended: 1/11/2008, 2/7/2008, 3/4/2010, 3/31/2017, 4/24/2018, 10/5/2018

Revision: 2009 Model: AM100C-xx-1LF Size: 1/2 inch -xx- Includes the following end connections: FNPT, Union Sweat (US), Union NPT (UT), Compression (UC), Union CPVC (UCPVC), Union PEX (UPEX), Union Press (UP), Union Sweat Temperature Gauge (USTG) Issued: 5/4/2000 Amended: 3/31/2017 4/24/2018, 10/5/2018

Revision: 2009 Model: AM100-xx-1 Size: 1/2 inch -xx- Includes the following end connections: FNPT, Union Sweat (US), Union NPT (UT), Compression (UC), Union CPVC (UCPVC), Union PEX (UPEX), and Union Press (UP), Push Fit (SB) Issued: 5/4/2000 Amended: 1/11/2008, 2/7/2008, 3/4/2010, 3/31/2017, 4/24/2018, 8/16/2018, 10/5/2018

Revision: 2009 Model: AM100-xx-1LF Size: 1/2 inch xx- Includes the following end connections: FNPT, Union Sweat (US), Union Press (UP), Union Sweat Temperature Gauge (USTG), Push Fit (SB), Union NPT (UT), Union CPVC (UCPVC), Union PEX (UPEX) Issued: 5/4/2000 Amended: 3/31/2017, 4/24/2018, 8/16/2018, 10/5/2018

Revision: 2009 Model: AM101C-xx-1 Size: 3/4 inch -xx- Includes the following end connections: FNPT, Union Sweat (US), Union NPT (UT), Compression (UC), Union CPVC (UCPVC), Union PEX (UPEX), Union Press (UP) Issued: 5/4/2000 Amended: 1/11/2008, 2/7/2008, 3/4/2010, 3/31/2017, 4/24/2018, 10/5/2018

Revision: 2009 Model: AM101C-xx-1LF Size: 3/4 inch xx- Includes the following end connections: FNPT, Union Sweat (US), Union Press (UP), Union Sweat Temperature Gauge (USTG),Union NPT (UT), Union CPVC (UCPVC), Union PEX (UPEX) Issued: 5/4/2000 Amended: 3/31/2017, 4/24/2018, 10/5/2018 Revision: 2009

Revision: 2009 Model: AM101-xx-1 Size: 3/4 inch -xx- Includes the following end connections: FNPT, Union Sweat (US), Union NPT (UT), Compression (UC), Union CPVC (UCPVC), Union Pex (UPEX), Union Press (UP), Push Fit (SB) Issued: 5/4/2000 Amended: 1/11/2008, 2/7/2008, 3/4/2010, 3/31/2017, 4/24/2018, 10/5/2018

Revision: 2009 Model: AM101-xx-1LF Size: 3/4 inch xx- Includes the following end connections: FNPT, Union Sweat (US), Union Press (UP), Union Sweat Temperature Gauge (USTG), Push Fit (SB), Union NPT (UT), Union CPVC (UCPVC), Union PEX (UPEX) Issued: 5/4/2000 Amended: 3/31/2017, 4/24/2018, 8/16/2018, 10/5/2018

Revision: 2009 Model: AM102C-xx-1 Size: 1 inch -xx- Includes the following end connections: FNPT, Union Sweat (US), Union NPT (UT), Union Press (UP) Issued: 5/4/2000 Amended: 1/11/2008, 2/7/2008, 3/4/2010, 3/31/2017, 4/24/2018, 10/5/2018

Revision: 2009 Model: AM102C-xx-1LF Size: 1 inch xx- Includes the following end connections: FNPT, Union Sweat (US), Union Press (UP), Union Sweat Temperature Gauge (USTG), Union NPT (UT) Issued: 5/4/2000 Amended: 3/31/2017, 4/24/2018, 10/5/2018

Revision: 2009 Model: AM102-xx-1 Size: 1 inch -xx- Includes the following end connections: FNPT, Union Sweat (US), Union NPT (UT), Union Press (UP), Push Fit (SB) Issued: 5/4/2000 Amended: 1/11/2008, 2/7/2008, 3/4/2010, 3/31/2017, 4/24/2018, 10/5/2018

Revision: 2009 Model: AM102-xx-1LF Size: 1 inch -xx- Includes the following end Page 51

connections: FNPT,	Revision: 2009	Revision: 2009	Revision: 2009	Revision: 2009
Union Sweat (US), Union	Model: MX130LF	Model: ADMS200-T(1)-	Model: 34C & 34CLF	Model: 425
Press (UP), Union Sweat	Size: 2 inch	(2)-(3)0	Series	Includes: 425, 425D,
Temperature Gauge	Issued: 12/7/2016	Size: 1-1/2" and 2"	Size: 1-1/2 inch	425R, 425 FMC, 425
(USTG), Push Fit	Amended: 4/24/2018,	Max working pressure	Issued: 8/25/2002	SMC, 425R FMC, 425R
(SB),Union NPT (UT)	10/5/2018	200 psi	Amended: 10/10/2006,	SMC
Issued: 5/4/2000 Amended: 3/31/2017,	Revision: 2009	(1) Return Size	3/4/2010	Issued: 4/28/1993 Amended: 4/18/2007,
4/24/2018, 8/16/2018,	Model: MX131LF	1 - 1 inch	Revision: 2009	3/4/2010
10/5/2018	Size: 2-1/2 inch	2 - 2 inch	Model: 34C & 34CLF	5/4/2010
10, 3, 2010	Issued: 12/7/2016	3 - 3 inch	Series	Revision: 2009
Revision: 2009	Amended: 4/24/2018,		Size: 1-1/4 inch	Model: DRV40 (THE
Model: AM1LF-1070	10/5/2018	(2) Option	Issued: 8/25/2002	BRAIN)
Series		1 - Flow/BTU Package	Amended: 10/10/2006,	Size: 1 1/2 inch inlets
Includes:	Revision: 2009	0 - No Flow/BTU Package	3/4/2010	(40mm)
Union Sweat:	Model: MX132LF	(2) Option	Povision: 2000	Issued: 1/22/2009
AM100C1070-US-1LF (1/2"); AM101C1070-US-	Size: 3 inch Issued: 12/7/2016	(3) Option 1 - Strainer	Revision: 2009 Model: 34C & 34CLF	Revision: 2009
1LF (3/4");	Amended: 4/24/2018,	0 - No Strainer	Series	Model: DRV80 (THE
AM102C1070-US-1LF	10/5/2018		Size: 2 inch	BRAIN)
(1");		Issued: 5/22/2017	Issued: 8/25/2002	Size: 3" NPT Inlet x 3"
Ùnion Thread:	Revision: 2009	Amended: 6/5/2018,	Amended: 10/10/2006,	NPT Outlet
AM100C1070-UT-1LF	Model: YHAM101C-US-1	6/27/2018	3/4/2010	Issued: 1/22/2009
(1/2"); AM101C1070-UT-	& RC-AM101C-US-1			Amended: 3/4/2010
1LF (3/4");	Size: 1/2 inch	Apollo Valves /	Revision: 2009	Devision 2000
AM102C1070-UT-1LF	Includes Union end	Conbraco Industries	Model: 34C & 34CLF	Revision: 2009
(1"); Union CPVC:	connections Issued: 2/17/2009	Revision: 2009 Model: 34A & 34A LF	Series Size: 3/4 inch	Model: DRV80 Generation 2 (THE
AM100C1070-UCPVC-	Amended: 3/4/2010,	Series (Model MVA &	Issued: 8/25/2002	BRAIN)
1LF (1/2");	4/24/2018, 10/5/2018	MVA-LF)	Amended: 10/10/2006,	Size: 3" NPT inlet x 3"
AM101C1070-UCPVC-	.,, , ,	Size: 1 inch	3/4/2010	NPT Outlet
1LF (3/4");	AERCO, a Watts	Issued: 8/25/2002		Issued: 1/22/2009
Union PEX:	Regulator Company	Amended: 6/19/2018	Revision: 2009	
AM100C1070-UPEX-1LF	Revision: 2009		Model: 34HL-105-01	Bradley Corporation
(1/2"), AM101C1070-	Model: ADMS150-D(1)-	Revision: 2009	(Model MVHL)	Revision: 2009
UPEX-1LF (3/4") Union Press:	(2)(3)0 Size: 1-1/2" and 2"	Model: 34A & 34A LF Series (Model MVA &	Size: 1" x 1 1/4" Issued: 8/25/2002	Model: \$59-2007*
AM100C1070-UP-1LF	Max working pressure	MVA-LF)	Amended: 6/19/2018	Note: Series model
(1/2"), AM101C1070-UP-	200 psi	Size: 1/2 inch	Amended: 0/15/2018	numbers designated
1LF (3/4"),	Issued: 5/22/2017	Issued: 8/25/2002	Revision: 2009	with a "*" may be
AM102C1070-UP-1LF	Amended: 6/5/2018,	Amended: 6/19/2018	Model: MVBLF (34BLF	followed by alpha-
(1")	6/27/2018		310 Series)	numeric codes, which
Temp Gauge:		Revision: 2009	Size: 1"	does not affect function
AM100C1070-USTG-LF	Revision: 2009	Model: 34A & 34A LF	.5 gpm Minimum flow	or form of the products,
(1/2"), AM101C1070-	Model: ADMS150-S(1)-	Series (Model MVA & MVA-LF)	rate	to indicate: o exterior finish
USTG-LF (3/4"), AM102C1070-USTG-LF	(2)(3)0 Size: 1-1/2" and 2"	Size: 3/4 inch	Issued: 8/25/2002 Amended: 6/19/2018,	o exterior finish options
(1")	Max working pressure	Issued: 8/25/2002	6/19/2018	o thermometer
(-)	200 psi	Amended: 6/19/2018	0,10,2010	option
Issued: 7/19/2011	Issued: 5/22/2017	, - ,	Revision: 2009	o customer
Amended: 4/24/2018,	Amended: 6/5/2018,	Revision: 2009	Model: MVBLF (34BLF	model number
10/5/2018	6/27/2018	Model: 34B & 34B LF	310 Series)	Issued: 8/7/2003
Devision 2000	Devision 2000	Series (Model MVB &	Size: 1/2 and 3/4"	Amended: 3/4/2010,
Revision: 2009 Model: MX127LF	Revision: 2009 Model: ADMS200-D(1)-	MVB-LF) Size: 1"	.5 gpm Minimum flow	12/31/2018
Size: 1 inch	(2)(3)0	Minimum Flow Rate: 1.5	rate Issued: 8/25/2002	Revision: 2009
Issued: 8/26/2016	Size: 1-1/2" and 2"	GPM	Amended: 6/19/2018,	Model: \$59-2025 ⁺
Amended: 4/24/2018,	Max working pressure	Issued: 8/25/2002	6/19/2018	Issued: 8/7/2003
10/5/2018	200 psi	Amended: 6/19/2018		Amended: 3/23/2006,
	Issued: 5/22/2017		Armstrong Hot Water	3/26/2009, 3/4/2010,
Revision: 2009	Amended: 6/5/2018,	Revision: 2009	Group	12/31/2018
Model: MX128LF	6/27/2018	Model: 34B & 34B LF	Revision: 2009	
Size: 1-1/4 inch	Bovision, 2000	Series (Model MVB &	Model: 320	Revision: 2009
Issued: 8/26/2016 Amended: 4/24/2018,	Revision: 2009 Model: ADMS200-S(1)-	MVB-LF) Size: 1/2", 3/4"	Includes: 320, 320D, 320R, 320 FMC, 320	Model: S59-2045† Issued: 8/7/2003
10/5/2018	(2)(3)0	Issued: 8/25/2002	SMC, 320R SMC	Amended: 3/23/2006,
_0, 0, _0 10	Size: 1-1/2" and 2"	Amended: 6/19/2018	Issued: 3/16/2000	3/26/2009, 3/4/2010,
Revision: 2009	Max working pressure	,,	Amended: 4/18/2007,	5/24/2018, 12/31/2018
Model: MX129LF	200 psi	Revision: 2009	3/4/2010	
Size: 1-1/2 inch	Issued: 5/22/2017	Model: 34C & 34CLF		Revision: 2009
Issued: 8/26/2016	Amended: 6/5/2018,	Series		Model: \$59-2080 ⁺
Amended: 4/24/2018,	6/27/2018	Size: 1 inch		Issued: 8/7/2003
10/5/2018		Issued: 8/25/2002 Amended: 10/10/2006,		Amended: 3/23/2006, 3/26/2009, 3/4/2010,
		3/4/2010		5/24/2018, 12/31/2018
		-, .,		<i>c, _ , _ c = c, _ z , 5 , z c i c</i>
	1		•	•

Revision: 2009	Revision: 2009	Revision: 2009	Revision: 2009	Revision: 2009
Model: \$59-2130+	Model: \$59-4015	Model: Heatguard 110	Model: Heatguard 110-D	Model: HG 020 LF
Issued: 8/7/2003	Size: 1/2" Dual	HX LF	LF	Size: 3/4" NPT
Amended: 3/23/2006,	NPT/Sweat connections	Size: 3/4" NPT, Sweat,	Size: 1/2" (With	with lead content less
3/26/2009, 3/4/2010,	Issued: 8/9/2004	PEX Barb, CPVC,	integrated SharkBite [®]	than or equal to 0.25%
12/31/2018	Amended: 9/13/2005,	Sharkbite	connections)	
Devision 2000	2/27/2006, 3/4/2010,	w/ Lead Content less	Issued: 4/6/2015	Issued: 1/6/2003
Revision: 2009	8/19/2010	than or equal to .25%	Revision: 2000	Revision, 2000
Model: \$59-2200+	Revision: 2009	Issued: 1/6/2003	Revision: 2009 Model: Heatguard 110-D	Revision: 2009 Model: HG 02026 LF
Note: Series model	Model: \$59-4015	Revision: 2009	LF	Size: 3/4"
numbers designated	Size: 3/4" NPT	Model: Heatguard 110	Size: 3/4" (With	with lead content less
with a "+" may be	connections	HX LF	integrated SharkBite [®]	than or equal to 0.25%
followed by alpha-	Issued: 8/9/2004	Size: FNPT 3/4"	connections)	
numeric codes, which	Amended: 9/13/2005,	w/ Lead Content less	Issued: 4/6/2015	
does not affect function	2/27/2006, 3/4/2010,	than or equal to .25%		Issued: 8/29/2013
or form of the products,	8/19/2010	Issued: 1/6/2003	Revision: 2009	
to indicate:	Devision 2000	Devision 2000	Model: Heatguard 110-	Revision: 2009
o exterior finish	Revision: 2009	Revision: 2009	LSB	Model: Mixer 630
options o thermostat	Model: S59-4015 Size: 3/4" Sweat	Model: Heatguard 110 LF	Size: 1/2" NPT, PEX Barb w/ Lead Content less	Thermostatic Mixing Valve
options: Standard and	Connections	Size: FNPT ¾"	than or equal to .25%	Size: 3/4" X 1"
High	Issued: 8/9/2004	w/Lead Content less	Issued: 8/29/2016	Inlet (NPT) x Outlet
o dial	Amended: 9/13/2005,	than or equal to 0.25%	135464. 0/23/2010	(NPT)
thermometer option	2/27/2006, 3/4/2010,	Issued: 10/7/2015	Revision: 2009	Issued: 1/6/2003
o customer	8/19/2010		Model: Heatguard 110-	
model number		Revision: 2009	LSB	Revision: 2009
Issued: 8/7/2003	Revision: 2009	Model: Heatguard 110-D	Size: 3/4" NPT, PEX Barb	Model: Mixer 640
Amended: 3/4/2010,	Model: \$59-4016°	(LF)	w/ Lead Content less	Thermostatic Mixing
12/31/2018		Size: FNPT 3/4"	than or equal to .25%	Valve
Devision 2000	Note: Series model	w/ Lead Content less	Issued: 8/29/2016	Size: 1" x 1 1/4"
Revision: 2009 Model: S59-3045‡	numbers designated with a "°" may be	than or equal to .25%	Revision: 2009	Inlet (NPT) x Outlet (NPT)
Issued: 8/7/2003	followed by alpha-	Issued: 1/6/2003	Model: Heatguard 115	Issued: 1/6/2003
Amended: 3/23/2006,	numeric codes, which	Revision: 2009	LF	1350EU. 1/0/2005
3/26/2009, 3/4/2010,	does not affect function	Model: Heatguard 110-D	Size: 1" NPT, Sweat,	Revision: 2009
5/24/2018, 12/31/2018	or form of the products,	(LF), Heatguard 110-BV	CPVC, Sharkbite	Model: Mixer 650
	to indicate:	(LF)´	with lead content less	Thermostatic Mixing
Revision: 2009	o NPT connection	Size: 1" NPT, Sweat, PEX	than or equal to 0.25%	Valve
Model: \$59-3080‡	options	Barb, CPVC, Sharkbite	Issued: 1/6/2003	Size: 1 1/4" x 1 1/2"
Issued: 8/7/2003	o Sweat	w/ Lead Content less	D 2000	Inlet (NPT) x Outlet
Amended: 3/23/2006,	connection options	than or equal to .25%	Revision: 2009	(NPT)
3/26/2009, 3/4/2010, 5/24/2018, 12/31/2018	o PEX connection	Issued: 1/6/2003	Model: Heatguard 115	İssued: 1/6/2003
5/24/2018, 12/31/2018	o PEX expansion	Amended: 3/8/2010,	Size: 1-1/4" NPT, Sweat,	Revision: 2009
Revision: 2009	connection options	11/29/2010, 12/8/2010	CPVC, Sharkbite	Model: Mixer 660
Model: \$59-3130‡	o customer	11,20,2010,12,0,2010	with lead content less	Thermostatic Mixing
Issued: 8/7/2003	model number	Revision: 2009	than or equal to 0.25%	Valve
Amended: 3/23/2006,	Issued: 2/15/2012	Model: Heatguard 110-D	Issued: 1/6/2003	Size: 1 1/2" x 1 1/2"
3/26/2009, 3/4/2010,	Amended: 12/31/2018	(LF), Heatguard 110-BV		Inlet (NPT) x Outlet
12/31/2018			Revision: 2009	(NPT)
Devision: 2000	Cash Acme / Reliance	Size: 1/2" NPT, Sweat,	Model: Heatguard 115	Issued: 1/6/2003
Revision: 2009 Model: S59-3200‡	Worldwide Corp Revision: 2009	PEX Barb, CPVC, Sharkbite	LF Size: 3/4" NPT, Sweat,	Revision: 2009
Wodel: 333-3200+	Model: Heatguard 110	w/Lead Content less	CPVC. Sharkbite	Model: Mixer 670
Note: Series model	HX LF	than or equal to .25%	with lead content less	Thermostatic Mixing
numbers designated	Size: 1" NPT, Sweat, PEX	SB - Shark Bite Fittings	than or equal to 0.25%	Valve
with a "‡" may be	Barb, CPVC, Sharkbite	Issued: 1/6/2003	Issued: 1/6/2003	Size: 1 1/2" x 2"
followed by alpha-	w/ Lead Content less	Amended: 3/8/2010,		Inlet (NPT) x Outlet
numeric codes, which	than or equal to .25%	11/29/2010, 12/8/2010,	Revision: 2009	(NPT)
does not affect function	Issued: 1/6/2003	2/7/2013	Model: Heatguard 160	Issued: 1/6/2003
or form of the products,	Revision: 2009	Pavisiant 2000	LF Size: 1"	Povision, 2000
to indicate: o exterior finish	Model: Heatguard 110	Revision: 2009 Model: Heatguard 110-D	Issued: 1/6/2003	Revision: 2009 Model: Mixer 680
options	HX LF	(LF), Heatguard 110-BV	Issued. 1/0/2005	Thermostatic Mixing
o thermostat	Size: 1/2" NPT, Sweat,	(LF)	Revision: 2009	Valve
options: Standard and	PEX Barb, CPVC,	Size: 3/4" NPT, Sweat,	Model: Heatguard 160	Size: 2" x 2"
High	Sharkbite	PEX Barb, CPVC,	LF	Inlet (NPT) x Outlet
o customer	w/ Lead Content less	Sharkbite	Size: 3/4 "	(NPT)
model number	than or equal to .25%	w/ Lead Content less	Issued: 1/6/2003	İssued: 1/6/2003
Issued: 8/7/2003	Issued: 1/6/2003	than or equal to .25%	Povision: 2000	
Amended: 3/23/2006, 3/26/2009, 3/4/2010,		Issued: 1/6/2003	Revision: 2009 Model: Heatguard [®] 021	
12/31/2018		Amended: 3/8/2010,	LF (3/4" Tankbooster)	
,, _010		11/29/2010, 12/8/2010,	Size: 3/4"	
		2/7/2013	Issued: 2/9/2016	
		l	l	
ASSE Seal Authorizations	- January 23, 2019			Page 53

Chicago Faucet / A Revision: 2009 Revision: 2009 Revision: 2009 Kohler-Mira Model: Holby Tempering Geberit Company Model: ETV Plus, ETV Model: Heat-Timer Revision: 2009 Revision: 2009 **Platinum Plus** Tempering Valve Valve Model: 320A-LL Size: 2 1/2" Lead Content is less than Size: 2 1/2" Lead Content is less than Includes: 320, 320D, 320R, 320 FMC, 320 Model: 122-ABNF Size: 1-1/2 inch with lead content equal Size: 1/2 Issued: 8/17/2009 or equal to .25% or equal to .25% to or less than 0.25% SMC, 320R SMC Issued: 6/9/2011 Amended: 11/12/2009, Issued: 5/11/1989 Issued: 4/28/2005 Issued: 8/3/2010 Amended: 11/30/2010, 3/4/2010 Amended: 10/1/2014 Amended: 11/6/2006, Amended: 4/18/2007, 3/4/2010, 2/13/2017 3/4/2010, 9/28/2011 3/19/2013 Revision: 2009 Giacomini s.p.a. Revision: 2009 Revision: 2009 Model: Heat-Timer Revision: 2009 Revision: 2009 Model: Holby Tempering Model: ETV Plus, ETV Model: 425A-LL Model: R-156 Tempering Valve Size: 1 inch Sweat & NPT Platinum Plus Size: 2' Includes: 425, 425D Valve Size: 2" Lead Content is less than Lead Content is less than Size: 1-1/4 inch 425R, 425 FŃC, 425 Issued: 7/20/1999 Amended: 7/31/2006, or equal to .25% Issued: 6/9/2011 with lead content equal SMC, 425R FMC, 425R 3/5/2007, 3/4/2010 to or less than 0.25% or equal to .25% SMC Issued: 5/11/1989 Amended: 11/6/2006, Issued: 8/3/2010 Amended: 10/1/2014 Issued: 4/28/2005 Revision: 2009 Amended: 11/30/2010, Amended: 4/18/2007, 3/19/2013 3/4/2010, 9/28/2011 Model: R-156 Revision: 2009 3/4/2010, 2/13/2017 Size: 1/2 inch Sweat & Model: Heat-Timer Revision: 2009 Model: DRV 40 Revision: 2009 NPT Tempering Valve Revision: 2009 Issued: 7/20/1999 Model: ETV Plus, ETV Size: 3' Model: Holby Tempering Amended: 7/31/2006, **Platinum Plus** Lead Content is less than Size: 1 1/2" (40mm) Valve 3/5/2007, 3/4/2010 Size: 3/4" or equal to .25% Size: 2 inch inlets Lead content less than Lead Content is less than Issued: 4/30/1991 Issued: 1/22/2009 Amended: 3/28/2013, Revision: 2009 or equal to .25% or equal to .25% Model: R-156 Issued: 8/3/2010 10/1/2014 Issued: 5/11/1989 Amended: 11/6/2006, Revision: 2009 Size: 3/4 inch Sweat & Amended: 11/30/2010, Model: RADA DRV80 (THE BRAIN) 3/19/2013 3/4/2010, 11/30/2010, NPT Revision: 2009 Issued: 7/20/1999 Size: 3" NPŤ inlet x 3" Model: Heat-Timer 9/28/2011 Amended: 7/31/2006, 3/5/2007, 3/4/2010 Revision: 2009 Model: Heat-Timer Tempering Valve NPT Outlet Size: 3/4" Revision: 2009 Issued: 1/22/2009 Tempering Valve Lead Content is less than Model: Holby Tempering Amended: 3/4/2010 Heat-Timer Corp. Size: 1 1/4 or equal to .25% Valve Revision: 2009 Lead Content is less than Issued: 4/30/1991 Size: 2-1/2 inch Lawler Manufacturing Amended: 3/28/2013, Company, Inc. or equal to .25% Issued: 6/9/2011 Model: ETV Plus, ETV with lead content equal Revision: 2009 Platinum Plus 10/1/2014 to or less than 0.25% Issued: 5/11/1989 Amended: 11/6/2006, Amended: 10/1/2014 Size: 1 1/2' Model: 61-10 Size: 1/2 inch Lead Content is less than Revision: 2009 or equal to .25% Revision: 2009 Model: Heat-Timer 3/4/2010, 9/28/2011 Issued: 11/20/2000 Issued: 8/3/2010 Model: Heat-Timer Amended: 1/10/2006, Tempering Valve Amended: 11/30/2010, **Tempering Valve** Size: 4' Revision: 2009 3/4/2010 3/19/2013 Size: 1" Lead Content is less than Model: Holby Tempering Lead Content is less than or equal to .25% Valve Revision: 2009 or equal to .25% Issued: 4/30/1991 Size: 3 inch Model: 61-15 Size: 1/2 inch Revision: 2009 Issued: 4/30/1991 Model: ETV Plus, ETV Amended: 3/28/2013, with lead content equal **Platinum Plus** Amended: 3/28/2013, 10/1/2014 to or less than 0.25% Issued: 11/20/2000 Size: 1 1/4" Lead Content is less than Issued: 5/11/1989 Amended: 11/6/2006, Amended: 1/10/2006, 10/1/2014 Holby Valve Inc. 3/4/2010 or equal to .25% Revision: 2009 Revision: 2009 3/4/2010, 9/28/2011 Issued: 8/3/2010 Model: Holby Tempering Model: Heat-Timer Revision: 2009 Model: 61-25 Size: 3/4 inch Amended: 11/30/2010, **Tempering Valve** Revision: 2009 Valve 3/19/2013 Size: 1/2" Size: 1 inch Model: Holby Tempering Issued: 11/20/2000 Amended: 1/10/2006, Lead Content is less than with lead content equal Valve Revision: 2009 or equal to .25% Issued: 4/30/1991 to or less than 0.25% Size: 3/4 inch Model: ETV Plus, ETV 3/4/2010 Issued: 5/11/1989 with lead content equal **Platinum Plus** Amended: 3/28/2013, Amended: 11/6/2006, to or less than 0.25% Issued: 5/11/1989 Amended: 11/6/2006, 10/1/2014 3/4/2010, 9/28/2011 Size: 1' Revision: 2009 Lead Content is less than Model: 66-125 Revision: 2009 3/4/2010, 9/28/2011 Size: 1-1/4 x 1-1/2 inch or equal to .25% Revision: 2009 Issued: 8/3/2010 Model: Heat-Timer Model: Holby Tempering Issued: 11/20/2000 Tempering Valve Size: 1-1/2" Amended: 11/30/2010, Revision: 2009 Amended: 1/10/2006, Valve 3/19/2013 Size: 1/2 inch Model: Holby Tempering 3/4/2010 Lead Content is less than with lead content equal Valve or equal to .25% Issued: 4/30/1991 Revision: 2009 to or less than 0.25% Size: 4 inch Revision: 2009 Issued: 5/11/1989 Amended: 11/6/2006, Model: ETV Plus, ETV Model: 66-150 with lead content equal **Platinum Plus** Amended: 11/6/2006, to or less than 0.25% Size: 1-1/2 x 2 inch 3/4/2010, 10/1/2014 3/4/2010, 9/28/2011 Issued: 11/20/2000 Issued: 5/11/1989 Size: 1/2' Lead Content is less than Amended: 11/6/2006, Amended: 1/10/2006, 3/4/2010, 9/28/2011 or equal to .25% 3/4/2010 Issued: 8/3/2010 Amended: 11/30/2010, 3/19/2013

Revision: 2009 Model: 66-200 Size: 2 inch Issued: 11/20/2000 Amended: 1/10/2006, 3/4/2010

Revision: 2009 Model: 66-25 Size: 3/4 Lead content less than or equal to .25% Issued: 11/20/2000 Amended: 1/10/2006, 3/4/2010, 7/3/2014

Revision: 2009 Model: 66-50 Size: 3/4 x 1 inch Lead content less than or equal to .25% Issued: 11/20/2000 Amended: 1/10/2006, 3/4/2010, 7/3/2014

Revision: 2009 Model: 66-80 Size: 1 x 1-1/4 inch Lead content less than or equal to .25% Issued: 11/20/2000 Amended: 1/10/2006, 3/4/2010, 7/3/2014

Revision: 2009 Model: 801 Size: 3/4" x 1" includes S.E.A. option lead content less than or equal to .25% on model 801 Issued: 2/25/1998 Amended: 1/3/2006, 1/10/2006, 3/4/2010, 11/1/2011, 1/10/2013

Revision: 2009 Model: 802 Size: 1" inlet x 1 1/4" outlet includes S.E.A. option lead content less than or equal to .25% on model 802 Issued: 2/25/1998 Amended: 1/3/2006, 1/10/2006, 3/4/2010, 11/1/2011, 1/10/2013

Revision: 2009 Model: 803 Size: 1 1/4" inlet x 1 1/2" outlet includes S.E.A. option lead content less than or equal to .25% on model 803 Issued: 7/8/2011 Amended: 11/1/2011, 1/10/2013

Revision: 2009 Model: 804 Size: 1 1/2" inlet x 2" outlet includes S.E.A. option lead content less than or equal to .25% on model 804 Issued: 2/7/2006 Amended: 3/4/2010 11/1/2011, 1/10/2013 Revision: 2009 Model: 805 Size: 2 inclues S.E.A. option lead content less than or equal to .25% on model 805 Issued: 2/25/1998 Amended: 1/3/2006, 1/10/2006, 3/4/2010, 11/1/2011, 1/10/2013 Legend Revision: 2009 Model: T-40 Size: 1 inch NPT Issued: 7/20/1999 Amended: 3/5/2007, 3/4/2010 Revision: 2009 Model: T-40 Size: 1/2 inch NPT Issued: 7/20/1999 Amended: 3/5/2007, 3/4/2010 Revision: 2009 Model: T-40 Size: 3/4 inch NPT Issued: 7/20/1999 Amended: 3/5/2007, 3/4/2010 Revision: 2009 Model: T-40UE Size: 1/2, 3/4 & 1 inch Issued: 7/20/1999 Amended: 3/5/2007, 3/4/2010 Leonard Valve Revision: 2009 Model: 210-F-LF Size: 1/2 inch Lead content is less than or equal to 0.25% Issued: 3/22/1996 Revision: 2009 Model: 270 & 270-LF Size: 1/2" inlet x 1/2" outlet (MIPS connections) Lead Content is less than or equal to .25% on model 270-LF. Issued: 5/20/2008 Amended: 3/4/2010, 5/26/2010, 10/22/2012, 10/22/2012, 12/14/2012

Revision: 2009 Model: 270-USW Size: 1/2" Sweat connections w/ unions Issued: 5/20/2008 Amended: 5/26/2010, 10/22/2012, 10/22/2012 Revision: 2009 Model: 370 & 370-LF Size: 3/4" inlet x 3/4" outlet (MIPS connections). Lead Content is less than or equal to .25% on model 370-LF Issued: 6/30/2011 Amended: 3/4/2010, 10/22/2012, 10/22/2012 Revision: 2009 Model: LV-20-LF Size: 3/4" inlet x 3/4" outlet Lead content on Model LV-20-LF is less than or equal to 0.25% Issued: 1/21/2009 Amended: 2/25/2013 Revision: 2009 Model: LV-981A-LF Size: 3/4" inlet x 3/4" outlet Lead content for Models LV-981-LF and LV-981A-LF is less than or equal to 0.25% Issued: 1/21/2009 Amended: 3/4/2010, 6/14/2010, 12/1/2010, 10/12/2012 Revision: 2009 Model: LV-982-LF Size: 1" inlet x 1-1/4" outlet Lead content for Models LV-982-LF is less than or equal to 0.25% Issued: 1/21/2009 Amended: 12/7/2009, 3/4/2010, 6/14/2010 Revision: 2009 Model: LV-983-LF Size: 1-1/4" inlet x 1-1/4" outlet Lead content for Model LV-983-LF is less than or equal to 0.25% Issued: 1/21/2009 Amended: 9/9/2009, 3/4/2010, 6/14/2010, 2/6/2012, 5/11/2012 Revision: 2009 Model: LV-984-LF Size: 1-1/4" inlet x 1-1/2" outlet Lead content for Model LV-984-LF is less than or equal to 0.25% Issued: 5/23/2011 Amended: 3/4/2010, 6/14/2010

Revision: 2009 TM-2020B-2P-LF, TM-Model: LV-985-LF and 2020B-3P-LF LV-985-SW / LV-985-SW-LF Size: 2" inlet x 2" outlet Lead content for Models LV-985-LF and LV-985-SW-LF is less than or equal to 0.25% Issued: 1/21/2009 Amended: 2/25/2013 Revision: 2009 Model: M-20-E / M-20-C Size: 3/4" inlet x 3/4" outlet Issued: 9/11/1992 Amended: 9/15/2001, 3/5/2007, 3/4/2010, 6/14/2010 Revision: 2009 Model: Nucleus NV-150-LF, NV-200-LF 1-1/4" inlet x 1 1/2" outlet, 2" inlet x 2" outlet. Lead content is less than or equal to 0.25% Issued: 2/2/2017 Revision: 2009 Model: Nucleus NV-300-Size: 3" inlet x 3" outlet Lead content is less than or equal to 0.25% Issued: 2/2/2017 Revision: 2009 Model: TA-F-LF Size: 1/2 inch Lead content is less than or equal to 0.25% Issued: 3/22/1996 Revision: 2009 Model: TM-1520A, TM-1520A-2P & TM-1520A-LF, TM-1520-A-2P-LF, TM1520B-LF, TM1520B-2P-LF Size: 1 1/4" x 1 1/2" Also with PTFE option Lead Content is less than or equal to .25% on model TM-1520A-LF & TM-1520-A-2P-LF, TM1520B-LF,TM1520B-2P-LF Issued: 4/12/2002 Amended: 1/9/2007 2/17/2009, 3/4/2010, 6/14/2010, 2/7/2012, 3/14/2012, 3/20/2012, 5/11/2012, 8/8/2014 Revision: 2009 Model: TM-2020B & TM-1 F 2020B-LF Size: 2" inlet x 2" outlet with options of PTFE, and suffixes of 2P, 3P, 2P-LF and 3P-LF Lead Content is less than or equal to .25% on

model TM-2020B-LF,

Issued: 4/12/2002 Amended: 1/15/2007 1/30/2007, 3/24/2008, 2/17/2009, 3/4/2010, 6/14/2010, 3/4/2011, 8/8/2014 Revision: 2009 Model: TM-20-E-LF Size: 3/4" inlet x 3/4" outlet Also with Teflon/Teflon option Lead content for Model TM-20-E-LF is less than or equal to 0.25% Issued: 9/11/1992 Amended: 9/15/2001, 3/5/2007, 2/17/2009, 3/4/2010, 6/14/2010, 9/23/2011, 3/8/2012 Revision: 2009 Model: TM-26-LF Size: 3/4" inlet x 3/4" outlet Also with Teflon/Teflon option Lead Content for Model TM-26-LF is less than or equal to 0.25% Issued: 9/11/1992 Amended: 2/25/2013 Revision: 2009 Model: TM-420 Size: 3/4" x 1" Issued: 4/12/2002 Amended: 1/9/2007, 1/15/2007, 2/17/2009, 3/4/2010 Revision: 2009 Model: TM-420A & TM-420A-LF, TM420B-LF Also with PTFE option Lead Content is less than or equal to .25% on model TM-420A-LF, TM420B-LF Issued: 4/18/2007 Amended: 2/17/2009, 3/4/2010, 6/14/2010, 5/2/2012, 8/8/2014 Revision: 2009 Model: TM-520, TM-520-LF, TM-520SW-LF, TM-520B-LF Size: 3/4" x 1" Also with PTFE option Lead Content is less than or equal to .25% on model TM-520-LF and TM-520SW-LF, TM-520B-

Issued: 4/12/2002 Amended: 1/9/2007, 1/15/2007, 2/17/2009, 3/4/2010, 6/14/2010, 2/7/2012, 1/10/2013, 8/8/2014

Revision: 2009 Revision: 2009 Revision: 2009 Revision: 2009 Connect); LM492-1 (1" Model: TM-820 & TM-Union NPT); LM492-2 (1" Model: XL-690-LF Model: LFIS200DV-(1)-Model: LFSH1430 Series 820-LF, TM-820B-LF Size: 1" x 1 1/4" Size: 1" inlet x 1-1/4" (2)-(3)-LP (Includes: LFSH1432-1, Union Sweat); LM492-3 (1" Union CPVC); LM492-4 (1" Union PEX); outlet Size: 1-1/2" and 2" LFSH1432-2, LFSH1432-Also with PTFE option Lead content for Model Max working pressure 3, LFSH1432-4 200 PSI LFSH1434-1, LFSH1434-Lead Content is less than XL-690-LF is less than or LM492-5 (1" Union equal to 0.25% Issued: 3/16/2005 or equal to .25% on 2, LFSH1434-3 Quick Connect) Issued: 3/16/2005 Amended: 5/2/2012, model TM-820-LF, TM-Issued: 1/21/2009 Amended: 8/11/2016, LFSH1434-4, LFSH1435-Amended: 2/25/2013 820B-LF 6/1/2018 1. LFSH1435-2 Issued: 4/12/2002 LFSH1435-3, LFSH1435-4/25/2013 Amended: 1/9/2007, 1/15/2007, 2/17/2009, Revision: 2009 Revision: 2009 4. Model: XL-82-LF Size: 1" inlet x 1-1/4" Model: LFIS200TV-(1)-Issued: 9/11/2007 Revision: 2009 3/4/2010, 6/14/2010, (2)-(3)-LP Amended: 6/25/2009, Model: LM495 Series, LMC495 Series, (LF) LM495 Series & (LF) 2/7/2012, 8/8/2014 Size: 1-1/2" and 2" 1/18/2010, 3/4/2010 outlet Lead content for Model Max working pressure LMC495 Series XL-82-LF is less than or 200 PSI Revision: 2009 Revision: 2009 Includes: LM495-1 (1/2" Model: TM-920 & TMequal to 0.25% Model: LM490 Series, Return Size 920-LF, TM-920B-LF Size: 1 1/4" x 1 1/4" LMC490 Series, (LF) LM490 Series & (LF) Issued: 1/21/2009 C = 1 inch Union NPT); LM495-2 (1/2" Union Sweat); LM495-3 (1/2" Union CPVC); LM495-4 (1/2" Union PEX); LM495-5 Amended: 2/25/2013 F = 2 inch Also with PTFE option H = 3 inch LMC490 Series Lead Content is less than Paxton Controls, LLC Includes: LM490-101 (2) - Option (1/2" Union NPT); LM490-102 (1/2" Union or equal to .25% on model TM-920-LF, TM-0 = No Flow Meter Revision: 2009 / BTU Package Model: TVS 43 Series (1/2" Union Quick Sweat); LM490-103 (1/2" Union CPVC); Connect) Size: 3/4, 1, 1-1/4, 1-1/2, 920B-LF F = Flow Meter / 2Issued: 4/12/2002 Issued: 3/16/2005 and 2 inch inch Amended: 5/2/2012, Amended: 1/9/2007 (3) - Option ĽM490-104 (1/2" Űnion Issued: 8/10/2015 1/15/2007, 2/17/2009, 3/4/2010, 6/14/2010, 2/7/2012, 8/8/2014 PEX); LM490-105 (1/2" 4/25/2013 0 = No strainer Union Quick Connect); LM490-1 (1/2" Union Powers, a Watts S = Strainer Issued: 3/16/2005 **Regulator Company** Revision: 2009 NPT); LM490-2 (1/2' Revision: 2009 Amended: 8/11/2016, Model: LM496 Series, Union Sweat); LM490-3 (1/2" Union CPVC); LM490-4 (1/2" Union Model: LFIS075VL Size: 3/4" inlet and 6/1/2018 LMC496 Series (LF) Revision: 2009 Model: XL-150-LF LM496 Series & (LF) Size: 1-1/4" inlet x 1outlet LMC496 Series Revision: 2009 1/2" outlet PEX); LM490-5 (1/2" Includes: LM496-1 (3/4" Maximum working Model: LFMM430 Series pressure 200 psi Issued: 3/16/2005 Lead content for Model (Includes: LFMM431-1, Union Quick Connect) Union NPT); LM496-2 (3/4" Union Sweat); LM496-3 (3/4" Union XL-150-LF is less than or LFMM431-2, LFMM431-Issued: 3/16/2005 Amended: 10/12/2009, egual to 0.25% Amended: 6/27/2018 3, LFMM431-4 - 3/4" x 3/4/2010, 10/28/2011, 5/2/2012, 4/25/2013, CPVC); LM496-4 (3/4" Issued: 1/21/2009 3/4"; LFMM432-1, Revision: 2009 Union PEX); LM496-5 Amended: 2/25/2013 LFMM432-2, LFMM432-Model: LFIS100VL 3, LFMM432-4 - 3/4" x 4/25/2013 (3/4" union Quick Size: 1" inlet; 1-1/4" Connect) ; LFMM433-1 Revision: 2009 1 Issued: 3/16/2005 Amended: 5/2/2012, Model: XL-200-LF and outlet LFMM433-2, LFMM433-Revision: 2009 XL-200-SW / XL-200-SW-3, LFMM433-4-11/4" x Model: LM491 Series, Maximum working LMC491 Series, (LF) LM491 Series & (LF) I E pressure 200 psi 11/4"; LFMM434-1 4/25/2013 LFMM434-2, LFMM434-3, LFMM434-4 - 1 1/4" x Size: 2" inlet x 2" outlet issued: 3/16/2005 Lead content for Models LMC491 Series Amended: 6/27/2018 Revision: 2009 XL-200-LF and XL-200-1 1/2"; LFMM435-1 Includes: LM491-101 Model: LM497 Series, (3/4" Union NPT); LM491-102 (3/4" Union LMC497 Series, (LF) LM497 Series & (LF) SW-LF is less than or Revision: 2009 LFMM435-2, LFMM435equal to 0.25% Model: LFIS150-(1)-(2)-3, LFMM435-4 - 2"x 2") Issued: 1/21/2009 (3)-LP Sweat); LM491-103 LMC497 Series Size: 1-1/2" and 2" Includes: LM497-1 (1" (3/4" Union CPVC); Amended: 2/25/2013 Issued: 9/11/2007 Amended: 6/25/2009, 1/18/2010, 3/4/2010, Max working pressure LM491-104 (3/4" Únion Union NPT); LM497-2 (1" PEX); LM491-105 (3/4" Union Sweat); LM497-3 (1" Union CPVC); LM497-Revision: 2009 200 PSI Issued: 3/16/2005 Model: XL-32A-LF 5/24/2016, 5/24/2016 Union Quick Connect); LM491-1 (3/4" Union NPT); LM491-2 (3/4" 4 (1" Union PEX); LM497-5 (1" Union Size: 3/4" inch Amended: 8/11/2016, Revision: 2009 Lead Content is less than 6/1/2018 or equal to 0.25% per AB Model: LFP580-4 Union Sweat); LM491-3 Quick Connect) Revision: 2009 Model: LFIS150DV-(1)-(3/4" Union CPVC); LM491-4 (3/4" Union Size: 1/2" PEX Issued: 3/16/2005 1953 Issued: 9/2/2016 Issued: 3/16/2005 Amended: 5/2/2012, (2)-(3)-LP PEX); LM491-5 (3/4" 4/25/2013 Size: 1-1/2" and 2" Union Quick Connect) Revision: 2009 Revision: 2009 Issued: 3/16/2005 Amended: 5/2/2012, Model: XL-32-LF Max working pressure Model: LFSH1430 **PVI**, a Watts Regulator Size: 3/4" inlet x 3/4" 200 PSI LFSH1432-11, LFSH1432-Company Revision: 2009 outlet Issued: 3/16/2005 31, LFSH1432-22 4/25/2013 LFSH1432-42 - 3/4" x 1", LFSH1434-13, LFSH1434-Amended: 8/11/2016, Lead content for Model Model: V135-1-(1)-(2)-XL-32-LF is less than or Revision: 2009 6/1/2018 (3)-NP 33, LFSH1434-24, Size: 1-1/2" and 2" equal to 0.25% Model: LM492 Series, LFSH1434-44 -1 1/4" x 1 1/2", LFSH1435-15. LMC492 Series, (LF) LM492 Series & (LF) Revision: 2009 Max working pressure Issued: 1/21/2009 1/2", LFSH1435-15, LFSH1435-35, LFSH1435-Amended: 2/25/2013 Model: LFIS200-(1)-(2)-200 psi (3)-LP LMC492 Series Issued: 5/22/2017 Size: 1-1/2" and 2" Includes: LM492-101 (1" 26, LFSH1435-46 - 2" x 2" Max working pressure Union NPT): LM492-102 200 PSI (1" Union Sweat); Issued: 3/16/2005 Issued: 3/16/2005 LM492-103 (1" Union CPVC); LM492-104 (1' Amended: 8/11/2016, Union PEX); LM492-105 6/1/2018 (1" Union Quick

Revision: 2009 Model: V135-2-(1)-(2)-(3)-NP Size: 1-1/2" and 2" Max working pressure 200 psi Issued: 5/22/2017

Revision: 2009 Model: V135-3-(1)-(2)-(3)-NP Size: 1-1/2" and 2" Max working pressure 200 psi Issued: 5/22/2017

Revision: 2009 Model: V23 N-N Size: 3/4" inlet and outlet Maximum working pressure 200 psi Issued: 5/22/2017 Amended: 6/28/2018

Revision: 2009 Model: V55 N-N Size: 1" inlet; 1-1/4" outlet Maximum working pressure 200 psi Issued: 5/22/2017 Amended: 6/28/2018

Revision: 2009 Model: V85-1-(1)-(2)-(3)-NP Size: 1-1/2" and 2" Max working pressure 200 psi Issued: 5/22/2017

Revision: 2009 Model: V85-2-(1)-(2)-(3)-NP Size: 1-1/2" and 2" Max working pressure 200 psi

(1) Return Size A - 1 inch B - 2 inch C - 3 inch

(2) Option F - Flow/BTU Package X - No Flow/BTU Package

(3) Option S - Strainer X - No Strainer

Issued: 5/22/2017

Taco, Inc. Revision: 2009 Model: 5002-B3 Size: 1/2" CPVC with lead content less than or equal to 0.25% Issued: 1/9/2006 Revision: 2009 Model: 5002-C3 Size: 1/2" SWEAT with lead content less than or equal to 0.25% Issued: 1/9/2006

Revision: 2009 Model: 5002-P3 Size: 1/2" PEX with lead content less than or equal to 0.25% Issued: 1/9/2006

Revision: 2009 Model: 5002-T3 Size: 1/2" NPT with lead content less than or equal to 0.25% Issued: 1/9/2006

Revision: 2009 Model: 5003-B3 Size: 3/4" CPVC with lead content less than or equal to 0.25% Issued: 1/9/2006

Revision: 2009 Model: 5003-C3 Size: 3/4" SWEAT with lead content less than or equal to 0.25% Issued: 1/9/2006

Revision: 2009 Model: 5003-N3 Size: 3/4" Female NPT with lead content less than or equal to 0.25% Issued: 1/9/2006

Revision: 2009 Model: 5003-P3 Size: 3/4" PEX with lead content less than or equal to 0.25% Issued: 1/9/2006

Revision: 2009 Model: 5003-T3 Size: 3/4" NPT with lead content less than or equal to 0.25% Issued: 1/9/2006

Revision: 2009 Model: 5004-C3 Size: 1" SWEAT with lead content less than or equal to 0.25% Issued: 1/9/2006

Revision: 2009 Model: 5004-P3 Size: 1" PEX with lead content less than or equal to 0.25% Issued: 1/9/2006

Revision: 2009 Model: 5122-B2 Size: 1/2" CPVC with lead content less than or equal to 0.25% Issued: 1/9/2006 Revision: 2009 Model: 5122-C2 Size: 1/2" Sweat with lead content less than or equal to 0.25% Issued: 1/9/2006

Revision: 2009 Model: 5122-P2 Size: 1/2" Barb with lead content less than or equal to 0.25% Issued: 1/9/2006

Revision: 2009 Model: 5122-T2 Size: 1/2" Threaded FNPT with lead content less than or equal to 0.25% Issued: 1/9/2006

Revision: 2009 Model: 5123-B2 Size: 3/4" CPVC with lead content less than or equal to 0.25% Issued: 1/9/2006

Revision: 2009 Model: 5123-C2 Size: 3/4" Sweat with lead content less than or equal to 0.25% Issued: 1/9/2006

Revision: 2009 Model: 5123-N2 Size: 3/4" (FNPT) with lead content less than or equal to 0.25% Issued: 1/9/2006

Revision: 2009 Model: 5123-P2 Size: 3/4" Barb with lead content less than or equal to 0.25% Issued: 1/9/2006

Revision: 2009 Model: 5123-T2 Size: 3/4" Threaded MNPT with lead content less than or equal to 0.25% Issued: 1/9/2006

Revision: 2009 Model: 5123-WH-N1 Size: Water Heater Non Non Union 3/4" NPT with lead content less than or equal to 0.25%

Issued: 1/9/2006

Revision: 2009 Model: 5124-C2 Size: 1" Sweat with lead content less than or equal to 0.25% Issued: 1/9/2006 Revision: 2009 Model: 5124-HF-C1 Size: 1" Sweat with lead content less than or equal to 0.25% Issued: 1/9/2006

Revision: 2009 Model: 5124-P2 Size: 1" Barb with lead content less than or equal to 0.25% Issued: 1/9/2006

Revision: 2009 Model: 5125-HF-C1 Size: 1-1/4" Sweat with lead content less than or equal to 0.25% Issued: 1/9/2006

Watts Regulator Company Revision: 2009 Model: 1170C-M2 Series & (LF) 1170C-M2 Series (UT, US, CPVC, PEX, QC, LF) Size: 1/2",3/4",1" UT- NPT thread connection, US- Solder (Sweat) Connection, PEX - PEX Tubing Connection, CPVC - CPVC tubing Connection, QC - quick connect tail piece Issued: 3/16/2005 Amended: 1/26/2007, 10/13/2009, 3/4/2010, 10/28/2011

Revision: 2009 Model: 1170-M2 Series & (LF) 1170-M2 Series (UT, US, CPVC, PEX, QC, LF) Size: 1/2",3/4",1" UT- NPT thread connection, US- Solder (Sweat) Connection, PEX - PEX Tubing Connection, CPVC - CPVC tubing Connection, QC - quick connect tail piece Issued: 3/16/2005 Amended: 1/26/2007, 10/13/2009, 3/4/2010, 10/28/2011

Revision: 2009 Model: 1170-M2-Z1 Series & (LF) 1170-M2-Z1 Series (QC, LF) Size: 1/2" MNPT QC = quick connect tailpiece Issued: 3/16/2005 Amended: 11/22/2005, 1/26/2007, 10/13/2009, 3/4/2010, 10/28/2011 Revision: 2009 Model: L1170-M2 & (LF) L1170-M2 (UT, US, CPVC, PEX, QC, LF) Size: 1/2",3/4",1" UT- NPT thread connection, US- Solder (Sweat) Connection, PEX - PEX Tubing Connection, CPVC - CPVC tubing Connection, QC - quick connect tail piece Issued: 3/16/2005 Amended: 1/26/2007, 10/13/2009, 3/4/2010, 10/28/2011

Revision: 2009 Model: LFP580-4 Size: 1/2" PEX Issued: 10/17/2016

Revision: 2009 Model: MMV-M1 Series (UT, US, CPVC, PEX, QC, LF) & (LF) MMV-M1 Series (UT, US, CPVC, PEX, QC, LF) Size: 1/2", 3/4", 1" UT- NPT thread connection, US- Solder (Sweat) Connection, PEX - PEX Tubing Connection, CPVC - CPVC tubing Connection, QC - quick connect tail piece Issued: 3/16/2005 Amended: 1/26/2007, 10/12/2009, 3/4/2010, 3/6/2013

Revision: 2009 Model: N170-M3 & N170-M3CSUT and LFN170-M3 & LFN170-M3CSUT (w/ check stop) Size: 1 1/2" Issued: 1/21/2009 Amended: 6/16/2009, 3/4/2010

Revision: 2009 Model: N170-M3 & N170-M3CSUT and LFN170-M3 & LFN170-M3CSUT (w/ check stop) Size: 1 1/4" Issued: 1/21/2009 Amended: 6/16/2009, 3/4/2010

Revision: 2009 Model: N170-M3 & N170-M3CSUT and LFN170-M3 & LFN170-M3CSUT (w/ check stop) Size: 1" Issued: 1/21/2009 Amended: 6/16/2009, 3/4/2010 Revision: 2009 Model: N170-M3 & N170-M3CSUT and LFN170-M3 & LFN170-M3CSUT (w/ check stop) Size: 2" Issued: 1/21/2009 Amended: 6/16/2009, 3/4/2010

Revision: 2009 Model: N170-M3 & N170-M3CSUT and LFN170-M3 & LFN170-M3CSUT (w/ check stop) Size: 3/4" Issued: 1/21/2009 Amended: 6/16/2009, 3/4/2010

Wilkins / A Division of Zurn Revision: 2009 Model: ZW1017, ZW1017XL & ZW1017-HT, ZW1017XL-HT Size: 1 inch Issued: 9/25/2003 Amended: 10/2/2008, 3/4/2010, 8/20/2012

Revision: 2009 Model: ZW1017, ZW1017XL & ZW1017-HT, ZW1017XL-HT Size: 1/2 inch Issued: 9/25/2003 Amended: 10/2/2008, 3/4/2010, 8/20/2012

Revision: 2009 Model: ZW1017, ZW1017XL & ZW1017-HT, ZW1017XL-HT Size: 3/4 inch Issued: 9/25/2003 Amended: 10/2/2008, 3/4/2010, 8/20/2012

STANDARD #ASSE 1018

Trap Seal Primer Valves - Potable Water Supplied ASSE-2001

Ferguson Enterprises c/o Precision Plumbing Produc Revision: 2001 Model: PFP1500 Size: 1/2 inch Issued: 11/16/2004

Revision: 2001 Model: PFP2500 Size: 1/2 inch Issued: 11/16/2004

Revision: 2001 Model: PFPR500 Size: 1/2 inch Issued: 11/16/2004 **JAY R. SMITH MFG., CO.** Revision: 2001 Model: 2699 Size: 1/2 inch Issued: 9/17/1986

Revision: 2001 Model: 2699-1 Size: 1/2 inch Issued: 9/17/1986

Revision: 2001 Model: Smith 2694, SLC 262 Size: 1/2 inch Finish -CP, -NP, -SS. Connections: -UN, -SW. With or without manual priming. Issued: 9/17/1986

Josam Company Revision: 2001 Model: 88280 Size: 1/2" NPT Issued: 2/20/2006

MIFAB, Inc. Revision: 2001 Model: M1-TSP-1 Issued: 11/20/1998

Revision: 2001 Model: M1-TSP-2 Issued: 11/20/1998

Revision: 2001 Model: M1-TSP-3 Issued: 11/20/1998

Revision: 2001 Model: M2-500 Size: 1/2 inch Issued: 11/20/1998

Revision: 2001 Model: MI-500 Size: 1/2 inch Issued: 11/20/1998

Revision: 2001 Model: MR-500 Size: 1/2 inch Issued: 11/20/1998

Precision Plumbing Products Revision: 2001 Model: CPO-500 Size: 1/2" NPT Issued: 1/12/2009

Revision: 2001 Model: P1-500 Size: 1/2 inch NPT Issued: 5/12/1976

Revision: 2001 Model: P2-500 Size: 1/2 inch NPT Issued: 5/12/1976 Revision: 2001 Model: PO-500 (Oregon 1) Size: 1/2" NPT Issued: 7/6/1981 Amended: 5/23/2006

Revision: 2001 Model: PR-500 & PR-500SS Size: 1/2" NPT Issued: 5/9/1985 Amended: 10/26/2009

Revision: 2001 Model: PRO1-500, PRO1ULP-500 w/ ½" NPT & PRO1-500U w/ ½" Union Issued: 5/9/1985 Amended: 10/26/2009, 11/30/2009

Sioux Chief Mfg. Co. Inc. Revision: 2001 Model: 695-01 Size: 1/2 inch Issued: 8/30/2002 Amended: 9/4/2008

Watts Regulator Company Revision: 2001 Model: TP300S & LFTP300S Size: 1/2" Issued: 1/9/2012

Revision: 2001 Model: TP300T & LFTP300T Size: 1/2" Issued: 1/9/2012

Zurn Industries, Inc. Revision: 2001 Model: Z1022-XL-1/2 may have the following connections: IP (1/2 Female Threaded Inlet x 1/2" Female Threaded Outlet), SF (1/2" Female Solder Inlet x 1/2 Female Solder Outlet), IPU (1/2" Female Threaded Union Inlet x 1/2" Female Threaded Union Outlet), SFU (1/2" Female Solder Union Inlet x 1/2" Female Solder Union Outlet) Issued: 3/19/2013

Revision: 2001 Model: Z1022-XL-1/2-CP may have the following connections: IP (1/2" Female Threaded Inlet x 1/2" Female Threaded Outlet), SF (1/2" Female Solder Inlet x 1/2" Female Solder Outlet), IPU (1/2" Female Threaded Union Inlet x 1/2" Female Threaded Union Outlet), SFU (1/2" Female Solder Union Inlet x 1/2" Female Solder Union Outlet) Issued: 3/19/2013

Revision: 2001 Model: Z1022-XL-3/4 IPU (¾" Male Threaded Union Inlet x ¾" Male Threaded Union Outlet) Issued: 2/21/2014

Revision: 2001 Model: Z1022-XL-3/4-CP IPU (¾" Male Threaded Union Inlet x ¾" Male Threaded Union Outlet) Issued: 2/21/2014

STANDARD #ASSE 1019

(R2016) Wall Hydrant with Backflow Protection and Freeze Resistance ASSE-2011

American Valve Revision: 2011 Model: M72AS w/ 1/2" NPT inlet x 3/4" hose outlet Size: Lengths of: 4", 6", 8", 10", 12", 14" Issued: 1/17/2011 Amended: 8/15/2012

Aquor Revision: 2011 Model: House Hydrant V2 Issued: 5/26/2016

Arrowhead Brass & Plumbing LLC Revision: 2011 Model: 425 BFP & 425LF BFP 3/4-14NPT & 3/4-11.5

Hose Thread Outlet-Type A

Issued: 6/22/1987 Amended: 12/14/2006, 7/23/2009, 9/5/2012

Revision: 2011 Model: 426 BFP & 426LF BFP 1/2-14NPT inlet & 3/4-

11.5 Hose Thread Outlet - Type A Issued: 6/22/1987 Amended: 12/14/2006, 7/23/2009, 9/5/2012 Revision: 2011 Model: 460 Series (Includes: 460, 460LF, 464, 464LF 465, 465LF, 466, 466LF, 469, 469LF w/ 14" X 1/2" MNPT x 1/2" Sweat Inlet, 3/4" outlet & 468 w/ 3/4" sweat x 3/4" MIP inlet x 3/4" outlet) - Type A Issued: 6/22/1987 Amended: 12/14/2006, 9/11/2008, 2/16/2009, 7/23/2009, 9/5/2012

Revision: 2011 Model: 470 Series Includes models 470-XX (Plain End, No Nipple), 472-XX (1/2" Wirsbo WPX), 475-XX (1/2" FIP or 3/4" MIP), 476-XX (1/2" Sweat or 1/2" MIP), 478-XX (34" Sweat or 3/4" MIP) and 479-XX (PEX) - Type A Issued: 6/22/1987 Amended: 4/10/2013

Revision: 2011 Model: 484, 484LF, 485, 485LF BFP up to & including 14 inch length Size: 1/2 inch female NPT & 3/4 inch male NPT Type A Issued: 2/23/2000 Amended: 12/14/2006, 1/11/2008, 3/25/2008, 2/16/2009, 7/23/2009, 9/5/2012

Revision: 2011 Model: 486, 486LF, 489 & 489LF BFP Size: 1/2 inch sweat inside & 1/2 inch male NPT outside up to & including 14 inch length - Type A Issued: 2/23/2000 Amended: 12/14/2006, 1/11/2008, 3/25/2008, 2/16/2009, 7/23/2009, 9/5/2012

B&K LLC Revision: 2011 Model: 104-511EB FROSTPROOF SILLCOCK W/ VACUUM BREAKER

Issued: 2/20/2015

Revision: 2011 Model: 104-511HC FROSTPROOF SILLCOCK W/ VACUUM BREAKER Issued: 2/20/2015

Revision: 2011 Model: 104-513EB FROSTPROOF SILLCOCK W/ VACUUM BREAKER

Issued: 2/20/2015

Revision: 2011	Revision: 2011	Revision: 2011	Revision: 2011	Revision: 2011
Model: 104-513HC	Model: 104-613EB	Model: 2264P	Model: NL2364P	Model: T-550 w/ 3/4"
FROSTPROOF SILLCOCK W/ VACUUM BREAKER	FROSTPROOF SILLCOCK W/ VACUUM BREAKER	Size: 1/2 inch Pex inlet x	Size: 1/2" inlet, 3/4" outlet	MIP or 3/4" copper sweat inlet. Outlet: 3/4"
Issued: 2/20/2015	W/ VACUUW BREAKER	3/4 inch hose outlet Type A - 4, 6, 8, 10, 12,	Type A - Multi Turn open	- 11 1/2" NH
155464. 272072015	Issued: 2/20/2015	14 inch lengths Multi	/ close frostproof sillcock	Size: x 8", 10", 12", and
Revision: 2011		Turn open / close	Issued: 5/9/2000	14"
Model: 104-515EB	Revision: 2011	frostproof sillcock	Amended: 4/5/2018	Type A
FROSTPROOF SILLCOCK W/ VACUUM BREAKER	Model: 104-613HC FROSTPROOF SILLCOCK	Issued: 1/7/2015	Revision: 2011	Issued: 7/21/2005 Amended: 5/15/2006,
W/ VACOOW BREAKEN	W/ VACUUM BREAKER	Revision: 2011	Model: NL2364P-1/2W	9/24/2008, 8/15/2012
	Issued: 2/20/2015	Model: NL2264	Size: 1/2" inlet 3/4"	5,, _ 0000, 0, _0, _0, _0
Issued: 2/20/2015		Size: 3/4" Male hose	outlet	Revision: 2011
Revision: 2011	Revision: 2011 Model: 104-615EB	outlet x 1/2" Type A - 4, 6, 8, 10, 12,	Type A -1/4 turn open / close frostproof sillcock	Model: T-550P w/ 1/2" PEX inlet. Outlet: 3/4" -
Model: 104-515HC	FROSTPROOF SILLCOCK	14 inch lengths Multi	Issued: 5/9/2000	11 1/2" NH
FROSTPROOF SILLCOCK	W/ VACUUM BREAKER	Turn open / close	Amended: 4/5/2018	Size: x 4", 6", 8", 10",
W/ VACUUM BREAKER		frostproof sillcock		12", and 14"
Issued: 2/20/2015	Issued: 2/20/2015	Issued: 5/9/2000	JAY R. SMITH MFG., CO. Revision: 2011	Type A
Revision: 2011	Revision: 2011	Revision: 2011	Model: 5515/5615	Issued: 7/6/2006 Amended: 8/15/2012
Model: 104-517EB	Model: 104-615HC	Model: NL2264A	Size: 1/2"	
FROSTPROOF SILLCOCK	FROSTPROOF SILLCOCK	Size: 3/4 inch inlet x 3/4	Issued: 10/1/2012	Revision: 2011
W/ VACUUM BREAKER	W/ VACUUM BREAKER	inch hose outlet	Amended: 4/1/2013	Model: T552
Issued: 2/20/2015	Issued: 2/20/2015	Type A - 4, 6, 8, 10, 12, 14 inch lengths Multi	Revision: 2011	Issued: 5/18/2000 Amended: 8/15/2012
155000. 272072015	Revision: 2011	Turn open / close	Model: 5519	, interfaced: 0, 13, 2012
Revision: 2011	Model: 104-617EB	frostproof sillcock	Size: 3/4 inch	Revision: 2011
Model: 104-517HC	FROSTPROOF SILLCOCK	Issued: 5/9/2000	Issued: 10/7/2002	Model: T-552CC w/ 1/2"
FROSTPROOF SILLCOCK W/ VACUUM BREAKER	W/ VACUUM BREAKER	Revision: 2011	Amended: 8/15/2012	MIP or 1/2" copper sweat inlet. Outlet: 3/4"
Issued: 2/20/2015	Issued: 2/20/2015	Model: NL2264P	Revision: 2011	- 11 1/2" NH
		Size: 1/2 inch Pex inlet x	Model: 5619	Size: x 2 7/8"
Revision: 2011	Revision: 2011	3/4 inch hose outlet	Size: 3/4 inch	Type A
Model: 104-519EB FROSTPROOF SILLCOCK	Model: 104-617HC FROSTPROOF SILLCOCK	Type A - 4, 6, 8, 10, 12, 14 inch lengths Multi	Issued: 10/7/2002 Amended: 8/15/2012	Issued: 2/13/2008 Amended: 8/15/2012
W/ VACUUM BREAKER	W/ VACUUM BREAKER	Turn open / close	Amenaea. 0/13/2012	Amenaed: 0/13/2012
	Issued: 2/20/2015	frostproof sillcock	Legend	MIFAB, Inc.
Issued: 2/20/2015	Povision: 2011	Issued: 1/7/2015	Revision: 2011	Revision: 2011
Revision: 2011	Revision: 2011 Model: 104-619EB	Amended: 4/5/2018	Model: T-550 CPVC w/ 1/2" CPVC socket inlet.	Model: HY-1000 Series & MHY-10 Series & HY-
Model: 104-519HC	FROSTPROOF SILLCOCK	Revision: 2011	Outlet: 3/4" - 11 1/2" NH	2000 Series
FROSTPROOF SILLCOCK	W/ VACUUM BREAKER	Model: NL2264P-1/2W	Size: x 4", 6", 8", 10",	Includes 3/4" outlet and
W/ VACUUM BREAKER	Josuadu 2 /20 /2015	Size: 1/2" Inlet 3/4"	and 12"	3/4" female and male
Issued: 2/20/2015	Issued: 2/20/2015	Outlet Type A - Multi Turn open	Type A Issued: 11/26/2007	inlet along with 3/4" sweat and 1" NPT
Revision: 2011	Revision: 2011	/ close frostproof sillcock	Amended: 8/15/2012	combination inlet.
Model: 104-521EB	Model: 104-619HC	Issued: 5/9/2000		Issued: 8/19/1999
FROSTPROOF SILLCOCK	FROSTPROOF SILLCOCK	Amended: 4/5/2018	Revision: 2011	Amended: 8/12/2007,
W/ VACUUM BREAKER Issued: 2/20/2015	W/ VACUUM BREAKER Issued: 2/20/2015	Revision: 2011	Model: T-550 w/ 1/2"MIP or 1/2" copper	8/15/2012
135000. 272072015	155464. 27 207 2015	Model: NL2364	sweat Inlet. Outlet: 3/4"	Revision: 2011
Revision: 2011	Fu San Valve	Size: 1/2" inlet, 3/4"	- 11 1/2" NH	Model: Series HY-
Model: 104-521HC	Revision: 2011	outlet	Size: x 4", 6", 8", 10",	8000/MHY-8000
FROSTPROOF SILLCOCK W/ VACUUM BREAKER	Model: 2264 Size: 1/2 inch inlet x 3/4	Type A - 1/4 turn open / close frostproof sillcock	12" and 14" Type A	Size: 24 inches 3/4" GHT outlet x 1/2"
	inch hose outlet	Issued: 5/9/2000	Issued: 7/21/2005	sweat, 1/2" NPT inlet
Issued: 2/20/2015	Type A - 4, 6, 8, 10, 12,	Amended: 4/5/2018	Amended: 5/15/2006,	combination - series
Revision: 2011	14 inch lengths Multi Turn open / close	Revision: 2011	9/24/2008, 8/15/2012	includes HY & MHY- 8004,8006,8008,8010,
Model: 104-611EB	frostproof sillcock	Model: NL2364A	Revision: 2011	8012,8014,8016,8018,80
FROSTPROOF SILLCOCK	Issued: 5/9/2000	Size: 1/2" inlet, 3/4"	Model: T-550 w/ 3/4"	20,8022,8024
W/ VACUUM BREAKER	Amended: 8/15/2012	outlet	MIP or 1/2" FIP inlet.	Issued: 3/14/2005
lssued: 2/20/2015	Revision: 2011	Orientation: Vertical Down - Horizontal	Outlet: 3/4" - 11 1/2" NH Size: x 6", 8", 10", and	Amended: 8/15/2012
Issued: 2/20/2015	Model: 2264A	Type A - 1/4 turn open /	12"	(R)
Revision: 2011	Size: 3/4 inch inlet x 3/4	close frostproof sillcock	Type A	
Model: 104-611HC	inch hose outlet	Issued: 5/9/2000	Issued: 7/21/2005	
	Type A - 4, 6, 8, 10, 12,	Amended: 4/5/2018	Amended: 5/15/2006,	
W/ VACUUM BREAKER Issued: 2/20/2015	14 inch lengths Multi Turn open / close		9/24/2008, 8/15/2012	
	frostproof sillcock			
	Issued: 5/9/2000			
	Amended: 8/15/2012			
	I	I	I	l

Revision: 2011 Revision: 2011 PurePro / F.W. Webb Revision: 2011 Revision: 2011 Model: Series HY-Model: C-634 Series Model: 19 - Type C Model: Z1320-C Company Size: 1/2" NPT Inlet x 8500/MHY-8500 Size: 1/2 inch inlet Revision: 2011 Size: 3/4 inch Size: 24 inches 3/4" GHT outlet x 1/2" Up to and including 24" Issued: 7/23/1992 Model: Pro FPS-LF Frost 3/4" hose outlet Free Sill Cock w/ end connections Amended: 8/15/2012 in length sweat, 1/2" NPT inlet Issued: 7/23/2004 Size: 1/2' types: CP, C, CP3, P, PX, Amended: 8/4/2010, Issued: 3/2/2005 PX3, W, Ŵ3, R Revision: 2011 combination - series includes: HY & MHY 8/15/2012 Amended: 4/1/2013, Issued: 8/3/2004 Model: Z1320-CXL 8504,8506,8508,8510,85 1/18/2017 Amended: 4/27/2009 Size: 3/4 inch Revision: 2011 Issued: 4/7/2015 12,8514,8516,8518,8520 Revision: 2011 Model: 22 - Types A & C Model: M-400 Series ,8522,8524 Revision: 2011 Íssued: 3/14/2005 Model: ProPEX FPS-LF Revision: 2011 Type A Amended: 8/15/2012 Size: 3/8 inch inlet Frost Free Sill Cock with end connections C, Model: Z1320-EZ M-408, M-409, M-410, M-412, M-420, M-421. Size: 3/4" Issued: 3/2/2005 Size: 3/4 inch P, PX, CP, C1, CP3, PX3, Ŵ, Ŵ3, Ŕ Ning Woei Enterprises Issued: 12/3/2014 Maximum length up to Amended: 4/1/2013, Issued: 7/9/1999 Co. Ltd. Revision: 2011 24". 1/18/2017 Amended: 4/27/2009, Revision: 2011 Model: Z1320XL Size: 3/4 inch Model: 2890Q CPVC Issued: 4/4/2007 5/24/2016 Amended: 8/18/2008, 12/12/2008, 11/1/2011, Size: 1/2"CPVC x 4", 6", **Technical Machining** 8", 10", 12 Services, Inc Revision: 2011 Issued: 4/7/2015 Issued: 2/12/2008 Revision: 2011 Model: 6500 8/15/2012, 7/28/2017 Model: 22V - Type A & C with end connections P, Revision: 2011 Amended: 8/15/2012 Revision: 2011 Size: 3/4 inch NPT PX, CP, C, C1, CP3, PX3, Model: Z1320XL-EZ Revision: 2011 Model: 2890QPEX Size: 1/2" PEX x 4", 6", 8", 10", 12", 14" Outlet: 3/4" - 11 1/2 NH Issued: 7/24/2006 Model: M-400 Series Issued: 9/7/2001 W, W3, Ŕ Size: 3/4 inch Issued: 7/9/1999 Type C Issued: 4/7/2015 Size: 3/8 inch inlet Amended: 5/24/2016 Watts Regulator M-478, M-479, M-480, Company Revision: 2011 M-481, M-482, M-490, M-491, M-492, M-493. Revision: 2011 Model: Z1321 Size: 3/4 inch Revision: 2011 Model: FHB-1, FHB-1-Model: 25 - Type B Amended: 8/15/2012 Maximum length up to PEX, LF-FHB-1, LF-FHBwith end Connection Issued: 1/14/2019 types: C, P, CP, CP3, PX, PX3, W, W3, R 1-PEX 24" Issued: 4/4/2007 Size: 1/2 inch Issued: 7/30/1996 Revision: 2011 Revision: 2011 Amended: 7/28/2017 Model: NW2890Q w/ Issued: 3/17/1980 Model: Z1321-C 1/2" MIP or 1/2" Copper Size: 3/4 inch Amended: 9/19/2008, Amended: 4/27/2009 Sweat Inlet Revision: 2011 4/1/2013, 3/1/2016 Issued: 1/14/2019 Size: Size: 4",6",8", 10", Model: P-164 Series, P-Revision: 2011 12", 14" Revision: 2011 264 Series Model: 65 Revision: 2011 Size: 3/8 inch inlet Up to & including 24 Model: FHB-2, LF-FHB-2 Size: 3/4 inch Outlet: 3/4" - 11 1/2 NH Model: Z1321-CXL Size: 1 inch Male NPT Size: 3/4 inch Outlet (P1) Issued: 9/13/2005 Issued: 7/30/1996 Issued: 10/12/2001 Issued: 1/14/2019 inches Amended: 5/15/2006, Issued: 11/30/2009 Amended: 4/1/2013, Amended: 1/14/2019 8/15/2012 Amended: 8/15/2012, 3/1/2016 Revision: 2011 10/20/2017 Model: 65 Revision: 2011 Woodford Mfg. Co. Revision: 2011 Size: 3/4 inch Female Model: Z1321XL Model: NW2890Q w/ **PT Ever Age Valves** Revision: 2011 NPT (P) Size: 3/4 inch 3/4"MIP or 1/2" FIP Size: Size:6",8", 10", 12" Outlet: 3/4" - 11 1/2 NH Model: 101 - Type C Size: 1/2" Inlet x 3/4" 3/4 inch Copper Sweat Issued: 1/14/2019 Metals Revision: 2011 (Ć), 3/4 inch Union Amended: 1/14/2019 Model: FFA-A, FFA-B, FFA-C, FFA-P, FFA-PW & male hose outlet Elbow (EP) with end connection Revision: 2011 Outlet Issued: 10/12/2001 Issued: 9/13/2005 types: C, CP, CP3, PX, CM Issued: 8/15/2005 Model: Z1322-EZ **FFA-Z** Series Size: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24-Amended: 5/15/2006, Revision: 2011 Size: 3/4 inch Issued: 7/23/1992 Amended: 8/15/2012, 8/15/2012 Amended: 4/27/2009 Model: V122 - Type C with end connections C, inch Revision: 2011 Revision: 2011 P, PX, CP 7/28/2014 -A: 1/2" MIP & 1/2" FCXC X 3/4" MHT; -B: 3/4" MIP & 1/2" FIP Model: NW2890Q w/ Issued: 4/13/2010 Model: 122 - Type C 3/4"MIP or 3/4" Sweat with end connections C, Amended: 5/24/2016 Revision: 2011 P, PX, CP Model: Z1322XL-EZ Inlet 5.3/4" MHT; -C: 3/4" MCXC & 1/2" FCXC X 3/4" MHT; -P: 1/2" PEX X 3/4" Size: 8", 10", 12", 14" Outlet: 3/4" - 11 1/2 NH Size: 3/4 inch Issued: 4/13/2010 Zurn Industries, Inc. Amended: 5/24/2016 Revision: 2011 Issued: 4/7/2015 Model: Z1300 Outlet Issued: 9/13/2005 Revision: 2011 Size: 3/4 inch A. Y. McDonald Mfg. Co. Model: 17 - Type C Size: 3/4" outlet hose Revision: 2004 Model: 72011/72011P Amended: 5/15/2006, MHT; Issued: 7/23/1992 -PW: 1/2" PEX 8/15/2012 1/2" male x 1/2" solder, 3/4" male x 1/2" female, 3/4" male x 3/4" solder, **REINFORCING X 3/4"** thread Revision: 2011 MHT; -Z: 3/4" MIP & 3/4" with end connection Model: Z1310 Size: 3/4 inch **PRIER Products, Inc.** types: C, P, CP, CP3, PX, PX3, W, W3, R Issued: 1/4/1998 Revision: 2011 1/2" PEX tubing - 4", 6", 8", 10", 12", 14" lengths Model: C-144 Series, C-FCXC X 3/4" MHT Issued: 1/14/2019 Issued: 3/3/2004 244 Series Amended: 2/23/2005 Size: 3/8 inch inlet Amended: 4/27/2009 Revision: 2011 - Type A up to & including 24 Model: Z1320 Revision: 2011 Issued: 12/7/2009 inches Size: 3/4 inch Issued: 11/12/2001 Model: 18 Inlet C, P, CP, CP3, C1 Issued: 7/23/1992 Amended: 9/19/2006, Amended: 8/15/2012 Issued: 5/10/1995 3/3/2009, 8/15/2012

Arrowhead Brass & Plumbing LLC	Homewerks Worldwide c/o PT Ever Age Valves	18", HY-4020/MHY-4020 - 20" & HY-4024/MHY-	Revision: 2004 Model: PVBLF4A	Revision: 2004 Model: (LF) 767-FR (LF,
Revision: 2004	Metals	4024 - 24")	Size: 1/2"	U)
Model: 496 & 496LF	Revision: 2004	Issued: 8/18/2005	w/ 77BLF, 91BLF Series	Size: 2"
Type A- 1/2 inch inlet - 14-1/4 length	Model: VFC Series Includes: VFCASPC11**		ball valves Issued: 5/9/1990	w/ KeyGuard SOV, Watts FBV, FBV-E, , LF-FBV, LF-
Issued: 6/14/2000	(VFFASPC11**),	STANDARD #ASSE	Amended: 2/7/2006,	FBV-E
Amended: 6/9/2009,	VFCASPC13**	1020	10/21/2010, 1/20/2011	Issued: 3/2/2006
7/23/2009	(VFFASPC13**), VFCASPC15**	Pressure Vacuum	Povision: 2004	Amended: $4/4/2006$,
Revision: 2004	(VFFASPC15**),	Breaker Assembly	Revision: 2004 Model: PVBLF4A	10/23/2008, 3/29/2010
Model: 496V & 496VLF	VFCASPC17**	ASSE-2004	Size: 3/4"	Revision: 2004
Size: 1/2 inch inlet	(VFFASPC17**),	Apollo Valves /	w/ 77BLF, 91BLF Series	Model: (LF) 767-FR (LF,
Type A Issued: 6/14/2000	VFCASPC19** (VFFASPC19**),	Conbraco Industries	ball valves Issued: 5/9/1990	U) Size: 3/4"
Amended: 6/9/2009,	VFCASPC21**	Revision: 2004 Model: PVB4A	Amended: 2/7/2006,	w/ KeyGuard SOV, Watts
7/23/2009	(VFFASPC21**),	Size: 1 1/2"	10/21/2010, 1/20/2011	FBV, FBV-E, , LF-FBV, LF-
Revision: 2004	VFCASPG11** " (VFFASPG11**),	w/ 7B,77B, 91B Series	ARI Flow Control	FBV-E Issued: 3/2/2006
Model: 499 & 499LF	VFCASPG13**	ball valves	Accessories	Amended: 4/4/2006,
Size: 1/2 inch inlet &	(VFFASPG13**),	Issued: 5/9/1990	Revision: 2004	10/23/2008, 3/29/2010
outlet	VFCASPG15**	Revision: 2004	Model: VB501 Size: 3/4" and 1"	Revision: 2004
Type A Issued: 6/14/2000	(VFFASPG15**), VFCASPG17**	Model: PVB4A	Issued: 10/29/2017	Model: 765
Amended: 6/9/2009,	(VFFASGP17**),	Size: 1 1/4" w/ 7B,77B, 91B Series		Size: 1 inch
7/23/2009	VFCASPG19**	ball valves	FEBCO, a Watts	w/Febco 622 BV-QT &
	(VFFASPG19**), VFCASPG21**	Issued: 12/30/2008	Regulator Company Revision: 2004	KeyGuard SOV Issued: 8/27/1981
	(VFFASPG21**),	Amended: 1/20/2011, 1/20/2011	Model: (LF) 767-FR (LF,	Amended: 3/4/2008,
	VFCSTDP11**	1/20/2011	U)	10/23/2008, 5/12/2011
	(VFFSTDP11**), VFCSTPD13**	Revision: 2004	Size: 1 1/2" w/ KeyGuard SOV, Watts	Revision: 2004
	(VFFSTDP13**),	Model: PVB4A Size: 1"	FBV, FBV-E, , LF-FBV, LF-	Model: 765
	VFCSTPD15**	w/ 7B,77B, 91B Series	FBV-E	Size: 1/2 inch
	(VFFSTDP15**), VFCSTPD17**	ball valves	Issued: 3/2/2006 Amended: 4/4/2006,	w/Febco 622 BV-QT & KeyGuard SOV
	(VFFSTPD17**),	Issued: 11/27/2007	10/23/2008, 3/29/2010	Issued: 8/27/1981
	VFCSTDP19**	Amended: 1/20/2011, 1/20/2011		Amended: 3/4/2008,
	(VFFSTDP19**), VFCSTDP21**		Revision: 2004 Model: (LF) 767-FR (LF,	10/23/2008, 5/12/2011
	(VFFSTDP21**) w/ suffix	Revision: 2004	U)	Revision: 2004
	option denoting	Model: PVB4A Size: 1/2"	Size: 1 1/4"	Model: 765
	different packaging, handle color and trade	w/ 7B,77B, 91B Series	w/ KeyGuard SOV, Watts FBV, FBV-E, , LF-FBV, LF-	Size: 1-1/2 inch w/Febco 622 BV-QT &
	mark -PA - Affiliated	ball valves	FBV-E	KeyGuard SOV
	distributor ProChannel,	Issued: 11/27/2007 Amended: 1/20/2011,	Issued: 3/2/2006	Issued: 8/27/1981
	B- Homewerks Worldwide, LLC, A-	1/20/2011	Amended: 4/4/2006, 10/23/2008, 3/29/2010	Amended: 3/4/2008, 10/23/2008, 5/12/2011
	Affiliated distributor	Devision: 2004	10/23/2008, 3/29/2010	10/23/2008, 3/12/2011
	ProChannel	Revision: 2004 Model: PVB4A	Revision: 2004	Revision: 2004
	Issued: 2/25/2011	Size: 2"	Model: (LF) 767-FR (LF, U)	Model: 765 Size: 1-1/4 inch
	Matco-Norca, Inc	w/ 7B,77B, 91B Series	Size: 1"	w/Febco 622 BV-QT &
	Revision: 2004	ball valves Issued: 1/20/2009	w/ KeyGuard SOV, Watts	KeyGuard SOV
	Model: 212 Series 1/2" male x 1/2" solder;	Amended: 1/20/2011,	FBV, FBV-E, , LF-FBV, LF- FBV-E	Issued: 8/27/1981 Amended: 3/4/2008,
	3/4" male x $1/2$ " soluel, $3/4$ " male x $1/2$ " female;	1/20/2011	Issued: 3/20/2007	10/23/2008, 5/12/2011
	3/4" male x 3/4" solder;	Revision: 2004	Amended: 10/23/2008,	
	1/2" PEX tubing Issued: 1/4/2006	Model: PVB4A	3/29/2010	Revision: 2004 Model: 765
	133000. 1/4/2000	Size: 3/4"	Revision: 2004	Size: 2 inch
	MIFAB, Inc.	w/ 7B,77B, 91B Series ball valves	Model: (LF) 767-FR (LF,	w/Febco 622 BV-QT &
	Revision: 2004 Model: HY-4000/MHY-	Issued: 11/27/2007	U) Size: 1/2"	KeyGuard SOV Issued: 8/27/1981
	4000 Series	Amended: 1/20/2011,	w/ KeyGuard SOV, Watts	Amended: 3/4/2008,
	Size: 4" to 24" wall	1/20/2011	FBV, FBV-E, , LF-FBV, LF-	10/23/2008, 5/12/2011
	thickness (Series includes: HY-	Revision: 2004	FBV-E Issued: 3/2/2006	Revision: 2004
	4004/MHY-4004 - 4",	Model: PVBLF4A	Amended: 4/4/2006,	Model: 765
	HY-4006/MHY-4006 - 6",	Size: 1" w/ 77BLF, 91BLF Series	10/23/2008, 3/29/2010	Size: 3/4 inch
	HY-4008/MHY-4008 - 8", HY-4010/MHY-4010 -	ball valves		w/Febco 622 BV-QT & KeyGuard SOV
	10", HY-4012/MHY-4012	Issued: 5/9/1990		Issued: 8/27/1981
	- 12", HY-4014/MHY-	Amended: 2/7/2006, 10/21/2010, 1/20/2011		Amended: 3/4/2008,
	4014 - 14", HY- 4016/MHY-4016 - 16",	==, ==, ==, =, =, =, =, =, =, =, =, =, =		10/23/2008, 5/12/2011
	HY-4018/MHY-4018 -			
ASSE Seal Authorizations -		1	1	Page 61

Revision: 2004 Model: 765U Size: 1 inch w/Febco 622 BV-QT Issued: 8/27/1981 Amended: 3/4/2008, 5/12/2011

Revision: 2004 Model: 765U Size: 1/2 inch w/Febco 622 BV-QT Issued: 8/27/1981 Amended: 3/4/2008, 5/12/2011

Revision: 2004 Model: 765U Size: 1-1/2 inch w/Febco 622 BV-QT Issued: 8/27/1981 Amended: 3/4/2008, 5/12/2011

Revision: 2004 Model: 765U Size: 1-1/4 inch w/Febco 622 BV-QT Issued: 8/27/1981 Amended: 3/4/2008, 5/12/2011

Revision: 2004 Model: 765U Size: 2 inch w/Febco 622 BV-QT Issued: 8/27/1981 Amended: 3/4/2008, 5/12/2011

Revision: 2004 Model: 765U Size: 3/4 inch w/Febco 622 BV-QT Issued: 8/27/1981 Amended: 3/4/2008, 5/12/2011

Toro Company Revision: 2004 Model: 53300 Issued: 10/1/1993 Amended: 7/23/2007

Watts Regulator Company Revision: 2004

Revision: 2004 Model: (LF) 800M4QT Size: 1 1/2 inch w/ KeyGuard SOV, Watts FBV, FBV-E, LF-FBV & LF-FBV-E Issued: 4/23/1984 Amended: 6/1/1995, 2/21/2006, 4/4/2006, 10/23/2008, 3/29/2010

Revision: 2004 Model: (LF) 800M4QT Size: 1 1/4 inch w/ KeyGuard SOV, Watts FBV, FBV-E, LF-FBV & LF-FRV-F Issued: 5/27/2009 Amended: 6/1/1995 2/21/2006, 4/4/2006 10/23/2008, 3/29/2010 Revision: 2004 Model: (LF) 800M4QT Size: 1/2 inch w/ KeyGuard SOV, Watts FŚV, FBV-E, LF-FBV & LF-FBV-E Issued: 4/23/1984 Amended: 6/1/1995, 2/21/2006, 4/4/2006, 10/23/2008, 3/29/2010 Revision: 2004 Model: (LF) 800M4QT Size: 2 inch w/ KeyGuard SOV, Watts FBV, FBV-E, , LF-FBV & LF-FBV-E Issued: 4/23/1984 Amended: 6/1/1995 2/21/2006, 4/4/2006, 10/23/2008, 3/29/2010 Revision: 2004 Model: (LF)-800M4-FR (LF) Size: 1 1/2 inch w/ KeyGuard SOV, Watts FBV, FBV-E, LF-FBV, LF-FBV-E Issued: 4/23/1984 Amended: 6/1/1995, 2/21/2006, 4/4/2006, 10/23/2008, 3/29/2010 Revision: 2004 Model: (LF)-800M4-FR (LF) Size: 1 1/4 inch w/ KeyGuard SOV, Watts FŚV, FBV-E, LF-FBV, LF-FBV-E Issued: 4/23/1984 Amended: 6/1/1995 2/21/2006, 4/4/2006, 10/23/2008, 3/29/2010 Revision: 2004 Model: (LF)-800M4-FR (LF)Size: 1 inch w/ KeyGuard SOV, Watts FŚV, FBV-E, LF-FBÝ, LF-FBV-E Issued: 4/23/1984 Amended: 6/1/1995, 2/21/2006, 4/4/2006, 10/23/2008, 3/29/2010

Revision: 2004 Model: (LF)-800M4-FR (LF) Size: 1/2 inch w/ KeyGuard SOV, Watts FBV, FBV-E, LF-FBV, LF-FRV-F Issued: 4/23/1984 Amended: 6/1/1995 2/21/2006, 4/4/2006, 10/23/2008, 3/29/2010 Revision: 2004 Model: (LF)-800M4-FR (LF) Size: 2 inch w/ KeyGuard SOV, Watts FBV, FBV-E, LF-FBV, LF-FRV-F Issued: 4/23/1984 Amended: 6/1/1995, 2/21/2006, 4/4/2006, 10/23/2008, 3/29/2010 Revision: 2004 Model: (LF)-800M4-FR (LF) Size: 3/4 inch w/ KeyGuard SOV, Watts FBV, FBV-E, LF-FBV, LF-FBV-E Issued: 4/23/1984 Amended: 6/1/1995, 2/21/2006, 4/4/2006, 10/23/2008, 3/29/2010 Revision: 2004 Model: (LF, U)800M4QT Size: 1 inch w/ KeyGuard SOV, Watts FBV, FBV-E Issued: 4/23/1984 Amended: 6/1/1995, 2/21/2006, 4/4/2006, 10/23/2008 Revision: 2004 Model: (LF, U)800M4QT Size: 3/4 inch w/ KeyGuard SOV, Watts FBV, FBV-E Issued: 4/23/1984 Amended: 6/1/1995, 2/21/2006, 4/4/2006, 10/23/2008 Revision: 2004 Model: 800CM Size: 1/2 inch w/ KeyGuard SOV, Watts FBV, FBV-E Issued: 4/23/1984 Amended: 6/1/1995 2/21/2006, 4/4/2006, 10/23/2008 Revision: 2004 Model: 800CM Size: 3/4 inch w/ KeyGuard SOV, Watts FBV, FBV-E Issued: 4/23/1984 Amended: 6/1/1995 2/21/2006, 4/4/2006, 10/23/2008

Revision: 2004 Model: 800M Size: 1/2 inch w/ KeyGuard SOV, Watts FBV, FBV-E Issued: 4/23/1984 Amended: 6/1/1995, 2/21/2006, 4/4/2006, 10/23/2008

Revision: 2004 Model: 800M Size: 3/4 inch w/ KeyGuard SOV, Watts FBV, FBV-E Issued: 4/23/1984 Amended: 6/1/1995, 2/21/2006, 4/4/2006, 10/23/2008

Wilkins / A Division of Zurn Revision: 2004 Model: 420 Size: 1/2 inch Issued: 2/26/2008 Amended: 2/15/2007,

5/26/2010

Revision: 2004 Model: 420 & 420XL Size: 1 inch 420XL w/ Wilkins 850XL shut off valves Exemption from displaying the logo granted 03/23/2006 Issued: 11/6/1997 Amended: 1/30/2007, 8/20/2012

Revision: 2004 Model: 420 & 420XL Size: 3/4 inch 420XL w/ Wilkins 850XL shut off valves Issued: 2/26/2008 Amended: 2/15/2007, 5/26/2010, 8/20/2012

Revision: 2004 Model: 710 Size: 1" Issued: 12/10/2018

Revision: 2004 Model: 710 Size: 3/4" Issued: 12/10/2018

Revision: 2004 Model: 720A Size: 1/2 inch Exemption from displaying the logo granted 03/23/2006 Issued: 6/28/1990 Amended: 2/26/2006, 8/10/2017 Revision: 2004 Model: 720A Size: 1-1/2 inch Exemption from displaying the logo granted 03/23/2006 Issued: 6/28/1990 Amended: 2/26/2006, 8/10/2017

Revision: 2004 Model: 720A Size: 1-1/4 inch Exemption from displaying the logo granted 03/23/2006 Issued: 6/28/1990 Amended: 2/26/2006, 8/10/2017

Revision: 2004 Model: 720A Size: 2 inch Exemption from displaying the logo granted 03/23/2006 Issued: 6/28/1990 Amended: 2/26/2006, 8/10/2017

Revision: 2004 Model: 720A & 720AU Size: 1 inch Exemption from displaying the logo granted 03/23/2006 Issued: 6/28/1990 Amended: 2/26/2006, 8/20/2012, 8/10/2017

Revision: 2004 Model: 720A & 720AU Size: 3/4 inch Exemption from displaying the logo granted 03/23/2006 Issued: 6/28/1990 Amended: 2/26/2006, 8/20/2012, 8/10/2017

STANDARD #ASSE 1022 Backflow Preventer for

Backflow Preventer for Beverage Dispensing Equipment ASSE-2003

Anderson Brass Co. Revision: 2003 Model: ABF-1 & ABF-1LL 3/8" (w/ NPT Inlet & Flare Outlet Connections) & option for one or two piece retainer Issued: 6/23/2004 Amended: 11/10/2009, 7/11/2011

3/8" or 1/2" (w/ Hot Water Dispensers Combination Barb Inlet Household Storage Type & Combination Barb - Electrical **Outlet Connections**) ASSE-1979 Issued: 6/23/2004 Amended: 10/27/2010, **In-Sink-Erator Corp** 7/11/2011 Revision: 1979 Model: 1100 Faucets Includes: F-GN1100XX, F-Revision: 2003 Model: ABF-1F & ABF-HC1100XX (XX=Finish Color) 3/8" (w/flare inlet & Issued: 4/12/2000 flare outlet connections) Amended: 2/5/2014 Issued: 6/2/2008 Amended: 11/10/2009, Revision: 1979 7/11/2011 Model: 1100 Systems Includes: C1300-SS, Revision: 2003 GN1100SN-SS Model: ABF-1HLL 3/8" NPT X 3/8" Hose Issued: 5/15/2018 Issued: 6/23/2004 Revision: 1979 Model: 1400 Faucets Revision: 2003 Includes: F-H1400XXX Model: ABF-1SS (XXX=Finish Color) 3/8" (w/NPT inlet and İssued: 6/15/2018 Flare Outlet Connection) Issued: 6/23/2004 Amended: 6/15/2018 Amended: 7/11/2011 Revision: 1979 Model: 2200 Faucets Includes: F-GN2200XX, F-Apollo Valves / **Conbraco Industries** HC2200XX (XX=Finish Revision: 2003 Color) Model: CBBP Issued: 4/12/2000 Size: 1/4 inch Amended: 2/5/2014 Issued: 10/29/1998 Amended: 6/1/2006 Revision: 1979 Model: 2215 Faucets Revision: 2003 Includes: F-GN2215XX, F Model: CBBP Size: 3/8 inch HC2215XX (XX=Finish Color) Issued: 10/29/1998 Issued: 4/12/2000 Amended: 6/1/2006 Amended: 2/5/2014 Watts Regulator Revision: 1979 **Company** Revision: 2003 Model: SD3 Model: 2300 Faucets Includes: F-H2300XXX (XXX=Finish Color) with/without integral Ìssued: 6/15/2018 Amended: 6/15/2018 Size: 1/4 inch Flare & NPT adapters Issued: 1/6/1999 Revision: 1979 Model: 3300 Faucets Amended: 10/1/2000, Includes: F-H3300XX, F-5/26/2005 HC3300XX (XX=Finish Color) Revision: 2003 Issued: 4/12/2000 Model: SD3 Amended: 2/5/2014 with/without integral Revision: 1979 Size: 3/8 inch Model: Contour Systems Flare & NPT adapters Includes: E340-SS, H-Issued: 1/6/1999 Classic-SS, H-Contour-SS Issued: 5/15/2018 Amended: 10/1/2000, 5/26/2005 Revision: 1979 Wilkins / A Division of Model: Hot 100 & 150 Systems Revision: 2003 Includes: H-HOT100C-SS, Model: 740 H-HOT100SN-SS. H-Size: 3/8 inch SH10-SS, H-HOT150C-SS, H-HOT150SN-SS Exemption from displaying the logo granted 03/23/2006 Issued: 5/15/2018 Issued: 6/4/2001 ASSE Seal Authorizations - January 23, 2019

STANDARD #ASSE 1023

Revision: 2003

1FLL

strainer

strainer

Zurn

Model: ABF-1BLL

Revision: 1979 Model: HWT Tanks Includes: HWT, HWT-00, HWT-C1300, HWT-E340, HWT-HP, HWT-F1000S, HWT-SRV-C1300, HWT-SRV-E340SS, HOT100, SH10 Issued: 5/15/2018 Revision: 1979 Model: NXT-C1300 / NXT-HP / HWT300 /

HWT300-F2000S / HWT300SRV Size: 2/3 gallon tank, 1/4" tubing NeoTank, Filtered Instant Hot Water Systems Issued: 5/15/2018 Amended: 1/2/2019

Revision: 1979 Model: View Systems Includes: H-ViewXX-SS. HC-ViewXX-SS (XX=Finish Color) Issued: 5/15/2018

Revision: 1979 Model: Wave Systems Includes: H-WaveXX-SS, HC-WaveXX-SS (XX= Finish Color) Issued: 5/15/2018

STANDARD #ASSE 1024 **Dual Check Backflow** Preventers ASSE-2004

A. Y. McDonald Mfg. Co. Revision: 2004 Model: 711-3 Series Size: 1 x 1 inch w/ Various End Connections Issued: 3/13/1992 Amended: 11/26/2002, 4/27/2004, 5/1/2004, 5/30/2006, 7/11/2006

Revision: 2004 Model: 711-3 Series Size: 1 x 3/4 inch w/ Various End Connections Issued: 3/13/1992 Amended: 11/26/2002, 4/27/2004, 5/1/2004, 5/30/2006, 7/11/2006

Revision: 2004 Model: 711-3 Series Size: 3/4 x 1 inch w/ Various End Connections Issued: 3/13/1992 Amended: 11/26/2002, 4/27/2004, 5/1/2004, 5/30/2006, 7/11/2006

Revision: 2004 Model: 711-3 Series Size: 3/4 x 3/4 inch w/ Various End Connections Issued: 3/13/1992 Amended: 11/26/2002, 4/27/2004, 5/1/2004, 5/30/2006, 7/11/2006

Revision: 2004 Model: 711-3 Series Size: 5/8 x 3/4 inch w/ Various Énd Connections Issued: 3/13/1992 Amended: 11/26/2002, 4/27/2004, 5/1/2004, 5/30/2006, 7/11/2006

Revision: 2004 Model: 711X3, 7311X3 Size: 3/4 x 3/4 inch w/ Various End Connections Issued: 12/19/2016

Revision: 2004 Model: 712-3 Series Size: 1-1/4 x 1 inch w/various end connections Issued: 12/2/1992 Amended: 10/30/2002, 4/27/2004, 4/27/2004, 5/30/2006

Revision: 2004 Model: 712-3 Series Size: 3/4 x 1 inch w/various end connections Issued: 12/2/1992 Amended: 10/30/2002, 4/27/2004, 4/27/2004, 5/30/2006

Revision: 2004 Model: 712-3 Series Size: 3/4 x 3/4 inch w/various end connections Issued: 12/2/1992 Amended: 10/30/2002, 4/27/2004, 4/27/2004, 5/30/2006

Revision: 2004 Model: 712-3 Series Size: 5/8 x 3/4 w/various end connections Issued: 12/2/1992 Amended: 10/30/2002, 4/27/2004, 4/27/2004, 5/30/2006

Revision: 2004 Model: 712-7 Series Size: 1 1/2" x 1 1/2" w/ various end connections and taps. Issued: 6/14/2002 Amended: 4/27/2004, 5/1/2004, 5/30/2006

Revision: 2004 Model: 712-7 Series Size: 2" x 2" w/ varous end connections and taps. Issued: 6/14/2002 Amended: 4/27/2004, 5/1/2004, 5/30/2006

Ademco Inc. / Honeywell Revision: 2004 Model: BP-700 Size: 3/4 inch Issued: 10/9/1989 Amended: 8/1/2005, 10/5/2018

Revision: 2004 Model: BP-701 Size: 1 inch Issued: 10/9/1989 Amended: 8/1/2005, 10/5/2018

Apollo Valves / **Conbraco Industries** Revision: 2004 Model: DUC40 & DUCLF40 Size: 1 Issued: 3/31/1989 Amended: 2/7/2006, 1/20/2011, 1/24/2011

Revision: 2004 Model: DUC40 & DUCLF40 Size: 1/2 Issued: 3/31/1989 Amended: 2/7/2006, 1/20/2011, 1/24/2011

Revision: 2004 Model: DUC40 & DUCLF40 Size: 3/4" Issued: 3/31/1989 Amended: 2/7/2006, 1/20/2011, 1/24/2011

Revision: 2004 Model: DUC4FP & DUCLF4FP Size: 1 1/4" Issued: 9/11/2008 Amended: 1/20/2011, 1/24/2011

Revision: 2004 Model: DUC4FP & DUCLF4FP Size: 1" Issued: 9/11/2008 Amended: 1/20/2011, 1/24/2011

Revision: 2004 Model: DUC4N & DUCLF4N Size: 1" FNPT X 1" FNPT Issued: 6/22/2004 Amended: 1/20/2011, 1/24/2011

Revision: 2004 Model: DUC4N & DUCLF4N Size: 1" Male union x 1" Female union Issued: 11/28/2005 Amended: 1/20/2011, 1/24/2011

Revision: 2004 Model: DUC4N & DUCLF4N Size: 1/2" FNPT X 1/2" FNPT Issued: 6/22/2004 Amended: 1/20/2011, 1/24/2011

Revision: 2004 Model: DUC4N & DUCLF4N Size: 3/4" Female meter swivel x 3/4" FNPT Issued: 6/22/2004 Amended: 1/20/2011, 1/24/2011

Revision: 2004 Model: DUC4N & DUCLF4N Size: 3/4" FNPT X 3/4" FNPT Issued: 5/2/2005 Amended: 1/20/2011, 1/24/2011

Revision: 2004 Model: DUC4N & DUCLF4N Size: 3/8" FNPT Issued: 5/2/2005 Amended: 1/20/2011, 1/24/2011

Revision: 2004 Model: DUC4N & DUCLF4N Size: 3/8" FNPT chrome plated İssued: 3/31/1989 Amended: 1/20/2011, 1/24/2011

Revision: 2004 Model: DUCLF4A Size: 1" Issued: 3/13/2015

Revision: 2004 Model: DUCLF4A Size: 3/4" Issued: 3/13/2015

Cambridge Brass, Inc. Revision: 2004 Model: CBDC Size: 3/4 inch Issued: 8/21/2001 Amended: 11/14/2006

Revision: 2004 Model: CBDC-1 Issued: 4/3/2002 Amended: 11/14/2006

Revision: 2004 Model: CBDC-10 Size: 2" Issued: 7/28/2008

Revision: 2004 Model: CBDC-11 Size: 3/4" Issued: 12/4/2006

Revision: 2004 Model: CBDC-12 Size: 3/4" Issued: 12/4/2006

Revision: 2004 Model: CBDC-13 Size: 1 inch **NPT Connections** Issued: 7/24/2006

Revision: 2004 Model: CBDC-14 Size: 1 inch Issued: 12/4/2006

Revision: 2004 Model: CBDC-15 Size: 3/4" Issued: 1/28/2008

Revision: 2004 Model: CBDC-16 Size: 3/4" Issued: 1/28/2008

Revision: 2004 Model: CBDC-17 Size: 1 1/2 Issued: 7/28/2008

Revision: 2004 Model: CBDC-2 Issued: 4/3/2002 Amended: 11/14/2006

Revision: 2004 Model: CBDC-3 Issued: 4/3/2002 Amended: 11/14/2006

Revision: 2004 Model: CBDC-4 Size: 3/4" Issued: 12/4/2006

Revision: 2004 Model: CBDC-5 Size: 3/4" Issued: 12/4/2006

Revision: 2004 Model: CBDC-6 Size: 1 inch Issued: 7/14/2005

BF5M0134SB 3/4" BF5, Dual Check, Meter Swivel Nut Inlet, SharkBite Outlet Issued: 12/31/2007 Revision: 2004 Model: BF Style 5 Size: 1.25 x 1 **AVAILABLE** CONNECTIONS BF5M1401 1" BF5, Dual Check, Meter Swivel Nut Inlet, **FNPT Outlet** BF5M1401SB 1-1/4" X 1" BF5, Dual Check, Meter Swivel Nut Inlet, SharkBite Outlet Issued: 10/10/1986 **Ford Meter Box** Company, Inc Revision: 2004 Model: HHA 31-313 Size: 5/8 x 3/4 in Issued: 3/13/1992 Revision: 2004 Model: HHA31-323 Size: 3/4 inch Issued: 3/3/1999

Revision: 2004 Model: HHA31-344 Size: 3/4x1" Issued: 5/17/1999

AVAILABLE CONNECTIONS Revision: 2004 1" BF1, Model: HHC11-344 / Dual Check, FNPT Union Inlet & FNPT Outlet HHCCR11-344 Size: 3/4' BF10101SB Issued: 7/25/2011 1" BF1, Dual Check, SharkBite Inlet & Outlet Revision: 2004 Issued: 10/10/1986 Model: HHC11-444 / Amended: 10/24/2005 Size: 1" Revision: 2004 Model: BF Style 1 Size: 3/4 inch CONNECTIONS Dual Check, FNPT Union Inlet & FNPT Outlet BF13434SB 3/4" BF1, Dual Check, SharkBite Inlet & Outlet Issued: 10/10/1986 Amended: 10/24/2005 Revision: 2004 Model: BF Style 5 Size: 1 x 3/4 inch AVAILABLE CONNECTIONS BF5M0134 1" X 3/4" BF5, Dual Check, Meter Swivel Nut Inlet, **FNPT** Outlet 1" X Size: 1 1-1/4" X

Cash Acme / Reliance

Worldwide Corp

Model: BF Style 1

Revision: 2004

Size: 1 inch

BF10101

AVAILABLE

BF13434

Revision: 2004

HHCCR11-333

Size: 3/4'

Model: HHC11-333 /

Issued: 7/25/2011

HHCCR11-444 Issued: 7/25/2011 Revision: 2004 Model: HHCA31-313 / HHCACR31-313 Size: 5/8" Issued: 7/25/2011 Revision: 2004 Model: HHCA31-323 / HHCACR31-323 Size: 3/4' Issued: 7/25/2011 Revision: 2004 Model: HHCA31-344 / HHCACR31-344 Size: 3/4" Issued: 7/25/2011 Revision: 2004 Model: HHCA31-444 / HHCACR31-444 Issued: 7/25/2011 Amended: 2/6/2017 Revision: 2004 Model: HHCH13-332 / HHCHCR13-332 Size: 3/4' Issued: 7/25/2011 Amended: 3/31/2011, 4/25/2011 Revision: 2004 Model: HHCH31-323 / HHCHCR31-323 Size: 3/4" Issued: 7/25/2011 Revision: 2004 Model: HHCI33-311 / HHCICR33-311 Size: 5/8' Issued: 7/25/2011 Amended: 2/23/2006 Revision: 2004 Model: HHFA - 31-777 Size: 2 inch **Orientation: Vertical** Down Issued: 10/30/2008 Revision: 2004

Model: HHS11-777 Size: 2 inch **Orientation: Horizontal** Issued: 10/30/2008

Revision: 2004 Model: HHS31-313 Size: 5/8x3/4" Issued: 5/17/1999

Revision: 2004 Model: HHS31-323 Size: 3/4 inch Issued: 3/3/1999

Revision: 2004 Model: HHS31-344 Size: 3/4x1" Issued: 5/17/1999

Giacomini s.p.a. Revision: 2004 Model: R623LF Size: 1 inch **Exemption from** displaying the logo granted 09/02/2004 Issued: 2/20/2006 Amended: 8/25/2005, 3/23/2011, 8/9/2018

Revision: 2004 Model: R623LF Size: 1/2 inch **Exemption from** displaying the logo granted 2/20/2006 Issued: 2/20/2006 Amended: 3/23/2011, 8/9/2018

Revision: 2004 Model: R623LF Size: 3/4 inch Exemption from displaying the logo granted 09/02/2004 Issued: 2/20/2006 Amended: 8/25/2005, 3/23/2011, 8/9/2018

Glen-Flo c/o Flomatic Corp Revision: 2004 Model: GF8080S6 & GF8081S6 Size: 3/4 & 1 inch NPT Threads Vertical or Horizontal, Stainless Steel Issued: 10/18/2013

James Jones Company Revision: 2004 Model: M98 (Includes "N" Option) Size: 1 Exemption from displaying the logo granted 03/21/2007 Issued: 3/21/2007 Amended: 2/25/2009

Revision: 2004 Model: M98 (Includes "N" Option) Size: 3/4" Exemption from displaying the logo granted 03/21/2007 Issued: 3/21/2007 Amended: 2/25/2009

Legend

Revision: 2004 Model: T-457 - 3/4 & 1 inch Issued: 3/11/1992 Amended: 8/1/2005

Revision: 2004 Model: T-457NL Size: 1 inch Orientation: Vertical Down - Vertical Up Lead-Free Dual backflow preventer Issued: 6/18/2018

Revision: 2004 Model: T-457NL Size: 1/2 inch Orientation: Vertical Down - Vertical Up Lead-Free Dual backflow preventer Issued: 6/18/2018

Revision: 2004 Model: T-457NL Size: 3/4 inch Orientation: Vertical Down - Vertical Up Lead-Free Dual backflow preventer Issued: 6/18/2018

Mueller Company Revision: 2004 Model: H-14241 (Includes "N" Option) Size: 1 inch Exemption from displaying the logo granted 12/22/2005 Issued: 12/14/1990 Amended: 9/8/2003, 4/1/2004, 8/11/2005, 2/25/2009, 1/19/2011, 5/9/2013

Revision: 2004 Model: H-14241 (Includes "N" option) Size: 3/4" Exemption from displaying the logo granted 3/17/2017 Issued: 3/17/2017

Revision: 2004displaying the log
granted 12/22/2Model: H-14242
(Includes "N" Option)Issued: 3/22/200Size: 1 inchIssued: 3/22/200Exemption from
displaying the logo
granted 12/22/20052/25/2009Issued: 12/14/1990Amended: 9/8/2003,
4/1/2004, 8/11/2005,ASSE Seal Authorizations - January 23, 2019

2/25/2009, 1/19/2011, 5/9/2013 Revision: 2004 Model: H-14242 (Includes "N" option)

Size: 3/4" Exemption from displaying the logo granted 12/22/2005 Issued: 3/22/2002 Amended: 9/13/2005, 2/25/2009

Revision: 2004 Model: H-14243 (Includes "N" option) Size: 3/4" Exemption from displaying the logo granted 12/22/2005 Issued: 3/22/2002 Amended: 9/13/2005, 2/25/2009

Revision: 2004 Model: H-14243 (Includes "N" Option) Size: 1 inch Exemption from displaying the logo granted 12/22/2005 Issued: 12/14/1990 Amended: 9/8/2003, 4/1/2004, 8/11/2005, 2/25/2009, 1/19/2011, 5/9/2013

Revision: 2004 Model: H-14244 (Includes "N" option) Size: 3/4" Exemption from displaying the logo granted 12/22/2005 Issued: 3/22/2002 Amended: 9/13/2005, 2/25/2009, 1/19/2011

Revision: 2004 Model: H-14244 (Includes "N" Option) Size: 1 inch Exemption from displaying the logo granted 12/22/2005 Issued: 12/14/1990 Amended: 9/8/2003, 4/1/2004, 8/11/2005, 2/25/2009, 1/19/2011, 5/9/2013

Revision: 2004 Model: H-14245 (Includes "N" option) Size: 3/4" Exemption from displaying the logo granted 12/22/2005 Issued: 3/22/2002 Amended: 9/13/2005, 2/25/2009 Revision: 2004 Model: H-14246 (Includes "N" option) Size: 3/4" Exemption from displaying the logo granted 12/22/2005 Issued: 3/22/2002 Amended: 9/13/2005, 2/25/2009

Revision: 2004 Model: H-14247 (Includes "N" option) Size: 3/4" Exemption from displaying the logo granted 12/22/2005 Issued: 3/22/2002 Amended: 2/24/2005, 9/13/2005, 2/25/2009

Revision: 2004 Model: H-14248 (Includes "N" option) Size: 3/4" Exemption from displaying the logo granted 12/22/2005 Issued: 3/22/2002 Amended: 9/13/2005, 2/25/2009

Revision: 2004 Model: H-14272 (Includes "N" option) Size: 3/4" Exemption from displaying the logo granted 12/22/2005 Issued: 3/22/2002 Amended: 9/13/2005, 2/25/2009

Revision: 2004 Model: H-14282 (Includes "N" option) Size: 3/4" Exemption from displaying the logo granted 3/17/2017 Issued: 3/17/2017

Revision: 2004 Model: H-14283 (Includes "N" option) Size: 3/4" Exemption from displaying the logo granted 3/17/2017 Issued: 3/17/2017

Revision: 2004 Model: M98 (Includes "N" option) Size: 1 inch Exemption from displaying the logo granted 12/22/2005 Issued: 8/18/1998 Amended: 9/8/2003, 4/1/2004, 8/11/2005, 3/21/2007, 2/25/2009, 5/14/2013 Revision: 2004 Model: M98 (Includes "N" option) Size: 2 inch Exemption from displaying the logo granted 12/22/2005 Issued: 7/2/2004 Amended: 8/11/2005, 3/21/2007, 2/25/2009, 5/14/2013

Revision: 2004 Model: M98 (Includes "N" option) Size: 3/4 inch Exemption from displaying the logo granted 12/22/2005 Issued: 8/18/1998 Amended: 9/8/2003, 4/1/2004, 8/11/2005, 3/21/2007, 2/25/2009, 5/14/2013

Revision: 2004 Model: M98 (Includes "N" option) Size: 3/4 x 1 inch Exemption from displaying the logo granted 12/22/2005 Issued: 8/18/1998 Amended: 9/8/2003, 4/1/2004, 8/11/2005, 3/21/2007, 2/25/2009, 5/14/2013

Revision: 2004 Model: M98 (Includes "N" option) Size: 5/8 inch Exemption from displaying the logo granted 12/22/2005 Issued: 8/18/1998 Amended: 9/8/2003, 4/1/2004, 8/11/2005, 3/21/2007, 2/25/2009, 5/14/2013

WaterSaver Faucet Revision: 2004 Model: L108 Issued: 2/28/2012

Revision: 2004 Model: L108PM-WSA Includes: L108PM, L108PM-WS, L108PM-ADJ, L108PM-ADJ-WS, L108-ADJ-WSA, VR108PM, VR108PM-WS, VR108PM-WSA Issued: 2/28/2012

Watts Regulator Company Revision: 2004 Model: (LF) 7B

Niodel: (LF) 7B Size: 3/4" w/ (U, 2, 3, 4, 5, 6, 7, 8, 10, 15 end connections) Issued: 4/27/1991 Amended: 2/24/2005, 5/2/2006 Revision: 2004 Model: 07S Size: 1" w/ (U, 2, 3, 4, 5, 6, 7, 8, 10, 15 end connections) Issued: 4/27/1991 Amended: 2/24/2005, 5/2/2006

Revision: 2004 Model: 7 (LF) & (LF) 7 Size: 3/8 in w/ (U, 2, 3, 4, 5, 6, 7, 8, 10, 11, 13, 15, 16 end connections) Issued: 6/2/1998

Revision: 2004 Model: 7C & (LF) 7C Size: 3/8 in w/ (U, 2, 3, 4, 5, 6, 7, 8, 10, 11, 13, 15, end connections) Issued: 6/2/1998

Revision: 2004 Model: L7 Size: 1" w/ (U, 2, 3, 4, 5, 6, 7, 8, 10, 15 end connections) Issued: 4/27/1991 Amended: 10/1/2003, 2/24/2005, 5/2/2006

Revision: 2004 Model: L7 Size: 3/4" w/(U, 2, 3, 4, 5, 6, 7, 8, 10, 15 end connections) Issued: 4/27/1991 Amended: 10/1/2003, 2/24/2005, 5/2/2006

Revision: 2004 Model: LF07S Size: 1 1/2" Issued: 4/27/1991 Amended: 10/18/2012

Revision: 2004 Model: LF07S Size: 1" Issued: 4/27/1991 Amended: 10/18/2012

Revision: 2004 Model: LF07S Size: 2" Issued: 4/27/1991 Amended: 10/18/2012

Revision: 2004 Model: LF7R Size: 1" w/ (U, L, 2, 3, 4, 5, 6, 10 end connections) Issued: 8/6/2011 Amended: 8/11/2017, 8/17/2017 Revision: 2004 Model: LF7R Size: 1/2" w/ (U, L, 2, 3, 4, 5, 6, 10 end connections) Issued: 8/6/2011 Amended: 8/11/2017, 8/17/2017

Revision: 2004 Model: LF7R Size: 3/4" w/ (U, L, 2, 3, 4, 5, 6, 10 end connections) Issued: 8/6/2011 Amended: 8/11/2017, 8/17/2017

Wilkins / A Division of Zurn Revision: 2004 Model: 700 & 700XL

Size: 1 inch Exemption from displaying the logo granted 03/23/2006 Issued: 3/13/1993 Amended: 6/14/2007, 8/20/2012, 8/10/2017

Revision: 2004 Model: 700 & 700XL Size: 1/2 inch Issued: 3/13/1993 Amended: 6/14/2007, 8/20/2012, 8/10/2017

Revision: 2004 Model: 700 & 700XL Size: 1/4 inch Issued: 3/13/1993 Amended: 6/14/2007, 8/20/2012, 8/10/2017

Revision: 2004 Model: 700 & 700XL Size: 3/4 inch Exemption from displaying the logo granted 03/23/2006 Issued: 3/13/1993 Amended: 6/14/2007, 8/20/2012, 8/10/2017

Revision: 2004 Model: 700 & 700XL Size: 3/8 inch Issued: 3/13/1993 Amended: 6/14/2007, 8/20/2012, 8/10/2017

Revision: 2004 Model: 700 XL Size: 1 inch Issued: 8/10/2017 Amended: 8/10/2017

Revision: 2004 Model: 700 XL Size: 1/2 inch Issued: 8/10/2017 Amended: 8/10/2017 Revision: 2004 Model: 700 XL Size: 3/4 inch Issued: 8/10/2017 Amended: 8/10/2017

Revision: 2004 Model: 700 XL Size: 3/8 inch Issued: 8/10/2017 Amended: 8/10/2017

Revision: 2004 Model: 700FP & 700XLFP Size: 1 1/2" Issued: 10/15/2008

Revision: 2004 Model: 700FP & 700XLFP Size: 1 1/4" Issued: 10/15/2008

Revision: 2004 Model: 700FP & 700XLFP Size: 1 inch Issued: 10/15/2008

Revision: 2004 Model: 705 Size: 1 inch Exemption from displaying the logo granted 03/23/2006 Issued: 3/13/1993 Amended: 6/14/2007

Revision: 2004 Model: 705 Size: 3/4 inch Exemption from displaying the logo granted 03/23/2006 Issued: 3/13/1993 Amended: 6/14/2007

Revision: 2004 Model: 950LF, 950LLF Size: 1-1/4 inch Issued: 3/13/1993 Amended: 6/14/2007

Revision: 2004 Model: 950LF, 950LLF Size: 1-12 inch Issued: 3/13/1993 Amended: 6/14/2007

Revision: 2004 Model: 950LF, 950LLF Size: 2 inch Issued: 3/13/1993 Amended: 6/14/2007

Revision: 2004 Model: 950LF, 950LLF, 950LM Size: 1 inch Issued: 3/13/1993 Amended: 6/14/2007, 8/20/2012 Revision: 2004 Model: 950LF, 950LLF, 950LM Size: 3/4 inch Issued: 3/13/1993 Amended: 6/14/2007, 8/20/2012

Revision: 2004 Model: 950LXL2LF Size: 2 inch Issued: 3/13/1993 Amended: 6/19/2015

Wolverine c/o Conbraco Revision: 2004 Model: C 7 BP Size: 1 inch Issued: 6/2/1997 Amended: 2/7/2006

Revision: 2004 Model: C 7 BP Size: 1/2 inch Issued: 6/2/1997 Amended: 2/7/2006

Revision: 2004 Model: C 7 BP Size: 3/4 inch Issued: 6/2/1997 Amended: 2/7/2006

STANDARD #ASSE 1032

Dual Check Valve Type Backflow Preventers for Carbonated Beverage Dispensers, Post Mix Type ASSE-2011

Chudnow Mfg. Co., Inc. Revision: 2011 Model: S47OD Size: 1/4 inch

. Issued: 10/6/1982 Amended: 2/19/2009, 8/13/2012

Revision: 2011 Model: S47OD Size: 3/8 inch Issued: 10/6/1982 Amended: 2/19/2009, 8/13/2012

Cornelius, Inc. Revision: 2011 Model: 31-1765-001 Size: 1/4 inch Issued: 1/26/1982 Amended: 4/8/2010, 8/13/2012 Revision: 2011 Model: 76-86 Size: 1/4 inch (part 65267, 65268, 65270, 82600, 68609) Wilshire Models Issued: 1/26/1982 Amended: 4/8/2010, 8/13/2012

Revision: 2011 Model: CI-4005 Size: 1/4 inch Issued: 12/4/1981 Amended: 4/8/2010, 8/13/2012

Lancer Corporation Revision: 2011 Model: 17-0341 & 17-0341-SP Size: 3/8 inch has lead content equal to or less than 0.25% & exemption from displaying the logo on product 2/19/04 Issued: 8/30/1994 Amended: 2/19/2004, 4/28/2009, 10/7/2010, 8/13/2012

Manitowoc Beverage Systems

Revision: 2011 Model: 19-0437 Size: 3/8 inch Issued: 9/16/1993 Amended: 10/2/2008, 8/13/2012

Revision: 2011 Model: 19-0979 Size: 3/8" Issued: 8/17/2006 Amended: 10/2/2008, 8/13/2012

Watts Regulator Company Revision: 2011 Model: SD 2 Size: 3/8 inch Issued: 11/4/1998

Issued: 11/4/1998 Amended: 4/18/2007, 8/13/2012 Revision: 2011 Model: SD 2, SD2Z1, SD2Z2

Size: 1/4 inch SD221- FO inlet & MO outlet & SD222 threaded inlent & MO outlet Issued: 11/4/1998 Amended: 1/2/2007, 4/18/2007, 8/13/2012

STANDARD #ASSE 1035

Laboratory Faucet Backflow Preventers ASSE-2008

Apollo Valves / Conbraco Industries Revision: 2008 Model: LFDUC Size: 3/8 inch Issued: 7/15/1997 Amended: 1/20/2011

Watts Regulator Company Revision: 2008 Model: LFNLF9, LFNLF-Z9 Size: 3/8 inch -Z9: Custom Product -R-CAN: Inlet & Outlet adapters reversed Issued: 8/5/1982 Amended: 2/17/2012

Revision: 2008 Model: LFNLF9-HT Size: 3/4" Hose Thread Connection Issued: 8/5/1982

Wilkins / A Division of Zurn Revision: 2008 Model: 38-730 & 38-730FM Size: 3/8 inch 38-730 w/ 3/8" NPSM & 3/8-730FM w/ 3/8" FNPT Exemption from displaying the logo granted 03/23/2006 Issued: 7/31/2001 Amended: 8/20/2012

Woodford Mfg. Co. Revision: 2008 Model: 38 DF Outlet Types DF, DF 2 Issued: 4/28/1994

<u>STANDARD #ASSE</u> 1037	Revision: 2015 Model: 8310MR16	Revision: 2015 Model: 8312SR05	Revision: 1990 Model: M-101526-F4	Revision: 1990 Model: TEU, TMU & TEY
ASSE 1037-2015 / ASME	Manual Retrofit	Issued: 6/8/2018	Issued: 11/25/1998	Series
A112.1037-2015 / CSA	Issued: 12/19/2005	Revision: 2015	Amended: 7/9/2007	Includes: TEU1ANCR, TEU1DNCR, TEU1DNCS,
B125.37-15 Pressurized Flushing Devices for	Revision: 2015	Model: 8312SR125	Revision: 1990	TEU1GNC, TEU1LN,
Plumbing Fixtures	Model: 8310S35	Issued: 6/8/2018	Model: M-102540-F	TEU2ANS, TEU2DNS,
ASSE-2015	Issued: 6/8/2018	Revision: 2015	Issued: 11/25/1998	TEU2GN, TEU2LN, TEU3ANSR, TEU3DNS,
I-Con Systems, Inc.	Revision: 2015	Model: 8313M16	Revision: 1990	TEU3GN, TEU3LN,
Revision: 2015 Model: VLV-FVL-3801	Model: 8310SR128 Issued: 12/19/2005	Size: 1" NPT Inlet & 1 1/2" outlet	Model: M-102540-F3 Issued: 11/25/1998	TMU1NNC, TMU1LN, TEY1DNC w/ suffixes 11
Momentum®	Dovision: 2015	Toilet Manual FV 1.6		(3/4" vacuum breaker
Size: 1 inch May include a left hand	Revision: 2015 Model: 8310SR35	Extended Length Issued: 12/19/2005	TOTO USA, Inc. Revision: 1990	tube, back spud), 12 (3/4" vacuum breaker
elbow, a right hand	Issued: 12/19/2005		Model: TET & TMT Series	tube, top spud), 21 (1
elbow or no elbow Exemption to display the	Revision: 2015	Revision: 2015 Model: 8314	Includes: TET1ANCR, TET1DNCR, TET1DNCS,	1/4" vacuum breaker tube, back spud), 22 (1
Seal on product granted	Model: 8311 & 8311-	Size: 3/4" NPT inlet &	TET1GNC, TET6GNC,	1/4" vacuum breaker
06/24/2004 Issued: 6/28/2004	AC12 Size: 1" threaded	3/4" Outlet Issued: 12/19/2005	TET1LN, TET6LN, TET2ANS, TET2DNS,	tube, top spud), 31 (1 1/2" vacuum breaker
Amended: 2/26/2015,	connections	Amended: 7/11/2006	TET2GN, TET2LN,	tube, back spud, wall
4/18/2017	Issued: 4/7/2009	Revision: 2015	TET3ANSR, TET3DNS, TET3GN, TET3LN,	mounted bowl), 32 (1 1/2" vacuum breaker
Moen, Inc.	Revision: 2015	Model: 8314M10	TMT1NNC, TMT1LN w/	tube, top spud), 33 (1
Revision: 2015 Model: 8310, 8310DF16	Model: 8312 Size: 1" NPT Inlet & 1	Size: 3/4" NPT Inlet & 1- 1/4" outlet	suffixes 11 (3/4" vacuum breaker tube, back	1/2" vacuum breaker tube, top spud, floor
& 8310RDF16	1/4" outlet	Úrinal Manual Flush	spud), 12 (3/4" vacuum	mounted bowl), 42 (5/8"
Size: 1" NPT Inlet & 1 1/2" outlet	(Service kit #8312R10) Issued: 12/19/2005	Valve 1.0GPF 1-1/4" Issued: 12/19/2005	breaker tube, top spud), 21 (1 1/4" vacuum	outlet, top spud), SS (stainless steel)
(Service kit #8310R16)	Amended: 7/11/2006		breaker tube, back	İssued: 2/10/2002
Issued: 12/19/2005	Revision: 2015	Revision: 2015 Model: 8315, 8315-	spud), 22 (1 1/4" vacuum breaker tube,	Amended: 5/19/2009, 6/9/2009, 7/2/2009
Amended: 7/11/2006, 3/8/2010	Model: 8312AC10	AC05 & 8316	top spud), 31 (1 1/2"	0/5/2005, 7/2/2005
Revision: 2015	Size: 1" NPT Inlet & 1 1/4" outlet	Size: 3/4" threaded connections	vacuum breaker tube, back spud, wall mounted	Revision: 1990 Model: TEU1UN**
Model: 8310AC16 &	Issued: 12/19/2005	Issued: 4/7/2009	bowl), 32 (1 1/2"	Includes: TEU1UN w/
8310ACDF16 Size: 1" NPT Inlet & 1	Amended: 7/11/2006	Amended: 3/8/2010	vacuum breaker tube, top spud), 33 (1 1/2"	suffixes 12 (3/4" vacuum breaker tube, top spud),
1/2" outlet	Revision: 2015	Revision: 2015	vacuum breaker tube,	22 (1 1/4" vacuum
Issued: 12/19/2005	Model: 8312M0125 Size: 3/4" NPT Inlet &	Model: 8316AC Issued: 6/8/2018	top spud, floor mounted bowl), SS (stainless steel)	breaker tube, top spud), CP (Chrome Plated
Amended: 7/11/2006, 3/8/2010	3/4" outlet		Issued: 2/10/2002	Finish)
Dovision: 2015	Urinal Manual Flush .125 Issued: 12/19/2005	TOTO USA, Inc. Revision: 2015	Amended: 5/19/2009, 6/9/2009, 7/2/2009	Issued: 7/7/2011
Revision: 2015 Model: 8310BPW16	135020. 12/19/2005	Model: TET Series	0/9/2009, 7/2/2009	Revision: 1990
Size: 1" NPT Inlet & 1-	Revision: 2015 Model: 8312M05	TET1GA, TET6GA, TET1LA, TET6LA,		Model: TEW & TMW Series
1/2" outlet Bed Pan Washer (BPW)	Size: 3/4" NPT Inlet &	TET2GA, TET3GA,		Includes: TEW1DNCR,
1.6 Issued: 12/19/2005	3/4" outlet Urinal Manual Flush	TET2LA, TET3LA Issued: 9/12/2016		TEW1DNCS, TEW1GNC, TEW6GNC, TMW1NNC
Issued. 12/19/2005	Valve 0.5			w/ suffixes 11 (3/4"
Revision: 2015 Model: 8310M128	Issued: 12/19/2005	Revision: 2015 Model: TEU Series		vacuum breaker tube, back spud), 12 (3/4"
Size: 1" NPT Inlet & 1	Revision: 2015	TEU1GA, TEU1LA,		vacuum breaker tube,
1/2" outlet Toilet Manual Flush	Model: 8312M10 Size: 3/4" NPT Inlet &	TEU2LA, TEU3LA Issued: 9/12/2016		top spud), 21 (1 1/4" vacuum breaker tube,
Valve 1.28	3/4" outlet			back spud), 22 (1 1/4"
Issued: 12/19/2005	Urinal Manual Flush Valve 1.0GPF 3/4"	Revision: 2015 Model: TEU*U* Series		vacuum breaker tube, top spud), 31 (1 1/2"
Revision: 2015	Issued: 12/19/2005	TEU1UA, TEU2UA,		vacuum breaker tube,
Model: 8310M16 Size: 1" NPT Inlet & 1	Revision: 2015	TEU3UA Issued: 9/12/2016		back spud, wall mounted bowl), 32 (1 1/2"
1/2" outlet	Model: 8312MR0125			vacuum breaker tube,
Toilet Manual Flush	Manual Retrofit Issued: 12/19/2005	Sloan Flushmate Revision: 1990		top spud), 33 (1 1/2" vacuum breaker tube,
Valve 1.6 Issued: 12/19/2005		Model: M-101526-F		top spud, floor mounted
Revision: 2015	Revision: 2015 Model: 8312MR05	Issued: 11/25/1998		bowl) Issued: 2/10/2002
Model: 8310MR128	Manual Retrofit	Revision: 1990		Amended: 5/19/2009,
Manual Retrofit Issued: 12/19/2005	Issued: 12/19/2005	Model: M-101526-F3 Issued: 11/25/1998		6/9/2009, 7/2/2009
1330Eu. 12/13/2003	Revision: 2015			Zurn Industries, Inc.
	Model: 8312MR10 Manual Retrofit			Revision: 1990 Model: Z6000 Series (Z-
	Issued: 12/19/2005			6000 A-WS - 1 1/2", Z-
ASSE Seal Authorizations -	l - January 23, 2019	l	Ι	Page 67

6001 A-WS - 11/4", Z- 6003 A-WS - 3/4") Issued: 12/2/1992 Amended: 11/26/2002, 2/23/2010 Revision: 1990 Model: Z6000AV Series (Z6000AV, Z6001AV, Z6003AV) Size: 3/4", 11/4", 1 1/2" Issued: 10/20/2010 Revision: 1990 Model: Z6100AV Series Size: 3/4", 1 1/4", 1 1/2" Issued: 10/20/2010 Revision: 1990 Model: Z6600AV Penal Series Size: 3/4", 1 1/4", 1 1/2" Issued: 10/20/2010 STANDARD #ASSE 1044 Trap Seal Primer Devices - Drainage Types and Electronic Design Types ASSE-2015 Sioux Chief Mfg. Co. Inc. Revision: 2015 Model: 695-ER(05, 10, 15, 20, 30), 695-ES(01, 05, 10, 15, 20, 30) Size: 1/2 Electronic trap primer Issued: 11/30/2012 JAY R. SMITH MFG., CO. Revision: 2001 Model: Prime-Eze # 2698 Size: 1-1/2 inch Issued: 2/9/1987 Amended: 3/30/2009 Revision: 2001 Model: Prime-Eze # 2698 Size: 1-1/4 inch Issued: 2/9/1987 Amended: 3/30/2009 Revision: 2001 Model: FVP-1 & FVP-1VB Issued: 2/9/1987 Amended: 3/30/2009 Revision: 2001 Model: FVP-1 & FVP-1VB Issued: 7/8/2003 Amended: 8/10/2009, 11/12/2009 Revision: 2001 Model: LTP-1500 Size: 1 1/2" Issued: 8/10/2009 Amended: 8/10/2009 Amended: 8/10/2009	Revision: 2001 Model: MP-500 Size: 1/2" (12v, 24v, 115v, & 220v) Issued: 7/8/2003 Amended: 7/11/2005, 7/29/2009, 8/10/2009 Revision: 2001 Model: MPB-500 Size: 1/2" (12v, 24v, 115v, & 220v) Issued: 7/8/2003 Amended: 7/11/2005, 7/29/2009, 8/10/2009 Revision: 2001 Model: PT Series Issued: 7/8/2003 Amended: 8/10/2009 Revision: 2001 Model: PTS-8, PTS-10, PTS-12, PTS-1320, PTS- 2130. Issued: 7/8/2003 Amended: 8/10/2009 Revision: 2001 Model: SP-500 Size: 1/2" (24v, 115v) Issued: 10/24/2005 Amended: 7/29/2009, 8/10/2009 Revision: 2001 Model: WCP-1 Issued: 7/8/2003 Amended: 8/10/2009 Sioux Chief Mfg. Co. Inc. Revision: 2001 Model: 200-090 & 200- 092 Size: 1 1/2" Issued: 7/6/2009 Revision: 2001 Model: 206-096 Size: 1 1/2" Issued: 7/6/2009 Revision: 2001 Model: 213-090 & 213- 092 Size: 1 1/4" Issued: 7/6/2009	STANDARD #ASSE 1047 Reduced Pressure Detector Fire Protection Backflow Prevention Assemblies ASSE-2011 AMES Fire & Waterworks, a Watts Regulator Company Revision: 2011 Model: 5000SS Size: 3 inch w/Kennedy KS-RW, Watts 009M2-QT, Watts Regulator 409 RW OS & Y Issued: 10/2/1990 Amended: 9/16/2016, 2/7/2018 Revision: 2011 Model: 5000SS (5000SS- RS) Size: 10 inch Orientation: Horizontal w/Watts 009M2-QT 3/4 inch, Watts Regulator 409 RW OS & Y, Watts 405, Kennedy KS-RW Issued: 10/2/1990 Amended: 5/25/2005 Revision: 2011 Model: 5000SS (5000SS- RS) Size: 4 inch Orientation: Horizontal w/Watts 009M2-QT 3/4 inch, Watts Regulator 409 RW OS & Y, Watts 405, Kennedy KS-RW Issued: 10/2/1990 Amended: 5/25/2005, 8) Size: 6 inch Orientation: Horizontal w/Watts 009M2-QT 3/4 inch, Watts Regulator 409 RW OS & Y, Watts 405, Kennedy KS-RW Issued: 10/2/1990 Amended: 5/25/2005, 9/16/2016, 2/7/2018 Revision: 2011 Model: 5000SS (5000SS- RS) Size: 6 inch Orientation: Horizontal w/Watts 009M2-QT 3/4 inch, Watts Regulator 409 RW OS & Y, Watts 405, Kennedy KS-RW Issued: 10/2/1990 Amended: 5/25/2005, 9/16/2016, 2/7/2018 Revision: 2011 Model: 5000SS (5000SS- RS) Size: 8 inch Orientation: Horizontal w/Watts 009M2-QT 3/4 inch, Watts Regulator 409 RW OS & Y, Watts 405, Kennedy KS-RW Issued: 10/2/1990 Amended: 5/25/2005, 9/16/2016, 2/7/2018	Revision: 2011 Model: 500SS Size: 2 1/2 inch W/Kennedy KS-RW, Watts 009M2-QT, Watts Regulator 409 RW OS & Y Issued: 10/2/1990 Amended: 9/16/2016, 2/7/2018 Revision: 2011 Model: Colt 500, Colt 500(LF) Size: 10 inch Orientation: Horizontal W/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & 7092/93/68; Union GV12, Watts Regulator 409 RW OS & Y Issued: 11/12/2001 Amended: 10/1/2002, 10/10/2006, 1/15/2013 Revision: 2011 Model: Colt 500, Colt 500(LF) Size: 2-1/2 inch Orientation: Horizontal W/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & 7092/93/68; Union GV12, Watts Regulator 409 RW OS & Y Issued: 11/12/2001 Amended: 10/1/2002, 10/10/2006, 1/15/2013 Revision: 2011 Model: Colt 500, Colt 500(LF) Size: 3 inch Orientation: Horizontal W/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & 7092/93/68; Union GV12, Watts Regulator 409 RW OS & Y Issued: 11/12/2001 Amended: 10/1/2002, 10/10/2006, 1/15/2013 Revision: 2011 Model: Colt 500, Colt 500(LF) Size: 3 inch Orientation: Horizontal W/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & 7092/93/68; Union GV12, Watts Regulator 409 RW OS & Y Issued: 11/12/2001 Amended: 10/1/2002, 10/10/2006, 1/15/2013 Revision: 2011 Model: Colt 500, Colt 500(LF) Size: 4 inch Orientation: Horizontal W/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & 7092/93/68; Union GV12, Watts Regulator 409 RW OS & Y Issued: 11/12/2001 Amended: 10/1/2002, 10/10/2006, 1/15/2013	Revision: 2011 Model: Colt 500, Colt Size: 6 inch Orientation: Horizontal w/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & 7092/93/68; Union GV12, Watts Regulator 409 RW OS & Y Issued: 11/12/2001 Amended: 10/1/2002, 10/10/2006, 1/15/2013 Revision: 2011 Model: Colt 500, Colt 500(LF) Size: 8 inch Orientation: Horizontal w/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & 7092/93/68; Union GV12, Watts Regulator 409 RW OS & Y Issued: 11/12/2001 Amended: 10/1/2002, 10/10/2006, 1/15/2013 Revision: 2011 Model: Colt 500N, Colt 500N(LF), Colt 500Z, Colt 500Z(LF) Size: 10 inch Orientation: Horizontal w/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & 7092/93/68; Union GV12; Victaulic 702, Hunter BFV, Watts Regulator 409 RW OS & Y Issued: 11/12/2001 Amended: 10/1/2002, 10/10/2006, 1/15/2013 Revision: 2011 Model: Colt 500N, Colt 500N(LF), Colt 500Z, Colt 500Z(LF) Size: 2-1/2 inch Orientation: Horizontal w/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & 7092/93/68; Union GV12; Victaulic 702, Hunter BFV, Watts Regulator 409 RW OS & Y Issued: 11/12/2001 Amended: 10/1/2002, 10/10/2006, 1/15/2013 Revision: 2011 Model: Colt 500N, Colt 500N(LF), Colt 500Z, Colt 500Z(LF) Size: 2-1/2 inch Orientation: Horizontal w/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & 7092/93/68; Union GV12; Victaulic 702, Hunter BFV, Watts Regulator 409 RW OS & Y Issued: 11/12/2001 Amended: 10/1/2002, 10/10/2006, 1/15/2013 Revision: 2011 Model: Colt 500N, Colt 500N(LF), Colt 500Z, Colt 500Z(LF) Size: 3 inch Orientation: Horizontal w/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 &
ASSE Seal Authorizations -	January 23, 2019			7092/93/68; Union GV12; Victaulic 702, Page 68

Hunter BFV, Watts Revision: 2011 Regulator 409 RW OS & Model: Maxim 500, Maxim 500(LF) Issued: 11/12/2001 Size: 2-1/2 inch Amended: 10/1/2002 Orientation: Horizontal 10/10/2006, 1/15/2013 w/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & 7092/93/68; Union Revision: 2011 Model: Colt 500N, Colt 500N(LF), Colt 500Z, GV12, Watts Regulator 409 RW OS & Y Colt 5002(LF) Size: 4 inch Issued: 11/12/2001 **Orientation: Horizontal** Amended: 10/1/2002 10/10/2006, 1/15/2013 w/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & Revision: 2011 7092/93/68; Union Model: Maxim 500, Maxim 500(LF) GV12; Victaulic 702, Hunter BFV, Watts Size: 3 inch Regulator 409 RW OS & **Orientation: Horizontal** w/Clow Issued: 11/12/2001 F6104/05/37/38/36/02; Amended: 10/1/2002 Kennedy 7592/93/61 & 7092/93/68; Union 10/10/2006, 1/15/2013 GV12, Watts Regulator 409 RW OS & Y Revision: 2011 Model: Colt 500N, Colt Issued: 11/12/2001 500N(LF), Colt 500Z, Colt 500Z(LF) Amended: 10/1/2002, 10/10/2006, 1/15/2013 Size: 6 inch Revision: 2011 Model: Maxim 500, **Orientation: Horizontal** w/Clow Maxim 500(LF) F6104/05/37/38/36/02; Kennedy 7592/93/61 & 7092/93/68; Union Size: 4 inch **Orientation: Horizontal** GV12; Victaulic 702 w/Clow F6104/05/37/38/36/02; Hunter BFV, Watts Kennedy 7592/93/61 & 7092/93/68; Union Regulator 409 RW OS & Issued: 11/12/2001 GV12, Watts Regulator 409 RW OS & Y Amended: 10/1/2002 10/10/2006, 1/15/2013 Issued: 11/12/2001 Amended: 10/1/2002, 10/10/2006, 1/15/2013 Revision: 2011 Model: Colt 500N, Colt 500N(LF), Colt 500Z, Revision: 2011 Colt 500Z(LF) Model: Maxim 500, Maxim 500(LF) Size: 8 inch Orientation: Horizontal Size: 6 inch w/Clow **Orientation: Horizontal** F6104/05/37/38/36/02; w/Clow Kennedy 7592/93/61 & 7092/93/68; Union F6104/05/37/38/36/02; Kennedy 7592/93/61 & GV12; Victaulic 702, 7092/93/68; Union Hunter BFV, Watts Regulator 409 RW OS & GV12, Watts Regulator 409 RW OS & Y Issued: 11/12/2001 Issued: 11/12/2001 Amended: 10/1/2002 Amended: 10/1/2002 10/10/2006, 1/15/2013 10/10/2006, 1/15/2013 Revision: 2011 Model: Maxim 500, Revision: 2011 Maxim 500(LF) Model: Maxim 500, Maxim 500(LF) Size: 8 inch Size: 10 inch **Orientation: Horizontal** Orientation: Horizontal w/Clow F6104/05/37/38/36/02; w/Clow Kennedy 7592/93/61 & F6104/05/37/38/36/02; 7092/93/68; Union Kennedy 7592/93/61 & 7092/93/68; Union GV12, Watts Regulator GV12, Watts Regulator 409 RW OS & Y 409 RW OS & Y Issued: 11/12/2001 Issued: 11/12/2001 Amended: 10/1/2002 Amended: 10/1/2002 10/10/2006, 1/15/2013 10/10/2006, 1/15/2013

Revision: 2011 Model: Maxim 500N, Maxim 500N(LF), Maxim 500Z, Maxim 500Z(LF) Size: 10 inch **Orientation: Horizontal** w/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & 7092/93/68; Union GV12; Victaulic 702, Hunter BFV, Watts Regulator 409 RW OS & Issued: 11/12/2001 Amended: 10/1/2002, 10/10/2006, 1/15/2013 Revision: 2011 Model: Maxim 500N, Maxim 500N(LF), Maxim 500Z, Maxim 500Z(LF) Size: 2-1/2 inch **Orientation: Horizontal** w/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & 7092/93/68; Union GV12; Victaulic 702 Hunter BFV, Watts Regulator 409 RW OS & Issued: 11/12/2001 Amended: 10/1/2002, 10/10/2006, 1/15/2013 Revision: 2011 Model: Maxim 500N, Maxim 500N(LF), Maxim 500Z, Maxim 500Z(LF) Size: 3 inch **Orientation: Horizontal** w/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & 7092/93/68; Union GV12; Victaulic 702 Hunter BFV, Watts Regulator 409 RW OS & Issued: 11/12/2001 Amended: 10/1/2002 10/10/2006, 1/15/2013 Revision: 2011 Model: Maxim 500N. Maxim 500N(LF), Maxim 500Z, Maxim 500Z(LF) Size: 4 inch **Orientation: Horizontal** w/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & 7092/93/68; Union GV12; Victaulic 702, Hunter BFV, Watts Regulator 409 RW OS & Issued: 11/12/2001 Amended: 10/1/2002, 10/10/2006, 1/15/2013

Revision: 2011 Model: Maxim 500N. Maxim 500N(LF), Maxim 500Z, Maxim 500Z(LF) Size: 6 inch **Orientation: Horizontal** w/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & 7092/93/68; Union GV12; Victaulic 702, Hunter BFV, Watts Regulator 409 RW OS & Issued: 11/12/2001 Amended: 10/1/2002 10/10/2006, 1/15/2013 Revision: 2011 Model: Maxim 500N, Maxim 500N(LF), Maxim 500Z, Maxim 500Z(LF) Size: 8 inch **Orientation: Horizontal** w/Clow F6104/05/37/38/36/02; Kennedy 7592/93/61 & 7092/93/68; Union GV12; Victaulic 702, Hunter BFV, Watts Regulator 409 RW OS & Issued: 11/12/2001 Amended: 10/1/2002, 10/10/2006, 1/15/2013 Apollo Valves / **Conbraco Industries** Revision: 2011 Model: RPDA 4A & RPDA LF4A Size: 1-1/2' **Orientation: Horizontal** w/Apollo's 77S-XT (and 77SLF-XT for lead free models) gear operated ball valves. Issued: 7/13/2009 Amended: 7/22/2015 Revision: 2011 Model: RPDA 4A & RPDA IF4A Size: 2" **Orientation: Horizontal** w/Apollo's 77S-XT (and 77SLF-XT for lead free models) gear operated ball valves Issued: 7/13/2009 Amended: 7/22/2015 Revision: 2011 Model: RPDA LF4A Size: 10" Orientation: Horizontal w/ Victaulic Series 702 **Firelock Butterfly Valves** & Kennedy Model KS RW gate valves or Apollo Model GV gate valve & **By-Pass:Apollo Series** 77B & 77C Issued: 7/13/2009 Amended: 10/11/2012,

7/22/2015

Revision: 2011 Model: RPDA LF4A Size: 12" **Orientation: Horizontal** w/ Victaulic Series 702 **Firelock Butterfly Valves** & Kennedy Model KS-RW gate valves & By Pass: Apollo Series 77B & 77C Issued: 7/13/2009 Amended: 1/15/2013 Revision: 2011 Model: RPDA LF4A Size: 2-1/2" **Orientation: Horizontal** w/ Victaulic Series 702 **Firelock Butterfly Valves** & Kennedy Model KS RW gate valves or Apollo Model GV gate valve & By-Pass:Apollo Series 77B & 77Ċ Issued: 10/20/2010 Amended: 7/11/2012, 8/15/2012, 7/22/2015 Revision: 2011 Model: RPDA LF4A Size: 3" Orientation: Horizontal w/ Victaulic Series 702 Firelock Butterfly Valves & Kennedy Model KS RW gate valves or Apollo Model GV gate valve & By-Pass:Apollo Series 77B & 77Ċ Issued: 10/20/2010 Amended: 7/11/2012, 8/15/2012, 7/22/2015 Revision: 2011 Model: RPDA LF4A Size: 4" Horizontal w/ Victaulic Series 702 Firelock Butterfly valves & Kennedy Model KS-RW gate valves or Apollo Model GV gate valve & **Bypass: Apollo Series** 77B & 77C

7/B & 7/C Issued: 11/2/2009 Amended: 8/12/2010, 7/11/2012, 8/15/2012, 7/22/2015 Revision: 2011 Model: RPDA LF4A Size: 6" Horizontal w/ Victaulic Series 702 Firelock Butterfly valves & Kennedy Model KS-RW

gate valves or Apollo

Issued: 11/2/2009 Amended: 8/12/2010, 7/11/2012, 8/15/2012,

Model GV gate valve & Bypass: Apollo Series 77B & 77C

7/22/2015

Revision: 2011 Model: RPDA LF4A Size: 8" Horizontal w/ Vicatulic 702 Firelock Butterfly Valves or Kennedy KS-RW Gate Valves or Apollo Model GV gate valve & Bypass: Apollo Series 77B & 77C Issued: 7/13/2009 Amended: 8/12/2010, 7/11/2012, 8/15/2012, 7/22/2015

Revision: 2011 Model: RPDA LF4AN Size: 10" Orientation: Vertical Up - Vertical Down w/ Victaulic Series 702 Firelock Butterfly Valves & Kennedy Model KS-RW gate valves or Apollo Model GV gate valve & By-Pass:Apollo Series 77B & 77C Issued: 7/13/2009 Amended: 10/11/2012, 7/22/2015

Revision: 2011 Model: RPDA LF4AN Size: 12" Orientation: Vertical Up - Vertical Down w/ Victaulic Series 702 Firelock Butterfly Valves & Kennedy Model KS-RW gate valves & By-Pass: Apollo Series 77B & 77C Issued: 7/13/2009 Amended: 1/15/2013

Revision: 2011 Model: RPDA LF4AN Size: 2 1/2" Vertical Up/Down, Vertical Up/Vertical Up w/Victaulic Series 702 Firelock Butterfly Valves & Kennedy Model KS-RW gate valves or Apollo Model GV gate valve & By-Pass:Apollo Series 77B & 77C Issued: 10/20/2010 Amended: 7/11/2012, 8/15/2012, 7/22/2015

Revision: 2011 Model: RPDA LF4AN Size: 3" Vertical Up/Down, Vertical Up/Vertical Up w/ Victaulic Series 702 Firelock Butterfly Valves & Kennedy Model KS-RW gate valves or Apollo Model GV gate valve & By-Pass:Apollo Series 77B & 77C Issued: 10/20/2010 Amended: 7/11/2012, 8/15/2012, 7/22/2015

Revision: 2011 Model: RPDA LF4AN Size: 4" Vertical Up/Vertical Down w/ Victaulic Series 702 Firelock Butterfly valves & Kennedy Model KS-RW gate valves or Apollo Model GV gate valve & Vertical Up w/ Victaulic 702 Butterfly Valves & Apollo 77B-100 & 77C-100 Bypass Issued: 11/2/2009 Amended: 8/12/2010, 2/28/2011, 7/11/2012, 8/15/2012, 7/22/2015 Revision: 2011 Model: RPDA LF4AN Size: 6 Vertical Up/Vertical Down, Vertical Up/ Vertical Up w/ Victaulic Series 702 Firelock Butterfly valves & Kennedy Model KS-RW gate valves or Apollo Model GV gate valve & **Bypass: Apollo Series** 77B & 77C Issued: 11/2/2009 Amended: 8/12/2010, 7/11/2012, 8/15/2012, 7/22/2015 Revision: 2011

Nodel: RPDA LF4AN Size: 8" Vertical Up/Down w/ Vicatulic Model 702 Firelock Butterfly Valves or Kennedy KS-RW Gate Valves or Apollo Model GV gate valve & By-Pass: Apollo 1/2" Model 7B-103-01 & 7B-103-31 & Vertical Up w/ Victaulic 702 Butterfly Valves & Apollo 77B-100 & 77C-100 Bypass Issued: 7/13/2009 Amended: 8/12/2010, 2/28/2011, 7/11/2012, 8/15/2012, 7/22/2015

Revision: 2011 Model: RPDA2 4A & RPDA2 LF4A Size: 1 1/2" Orientation: Horizontal w/Apollo's 77S-XT (and 77SLF-XT for lead free models) gear operated ball valves. Issued: 7/13/2009 Revision: 2011 Model: RPDA2 4A & RPDA2 LF4A Size: 2" Orientation: Horizontal w/Apollo's 77S-XT (and 77SLF-XT for lead free models) gear operated ball valves. Issued: 7/13/2009

Revision: 2011 Model: RPDA2 LF 4A Size: 10" Orientation: Horizontal w/ Victaulic Series 702 Firelock Butterfly Valves & Kennedy Model KS-RW gate valves or Apollo Model GV gate valve & By-Pass:Apollo Series 77B & 77C Issued: 7/13/2009 Amended: 10/11/2012, 7/22/2015, 7/22/2015

Revision: 2011 Model: RPDA2 LF 4A Size: 12" Orientation: Horizontal w/ Victaulic Series 702 **Firelock Butterfly Valves** & Kennedy Model KS-RW gate valves & By-Pass: Apollo Series 77B & 77C Issued: 7/13/2009 Amended: 1/15/2013, 7/22/2015 Revision: 2011 Model: RPDA2 LF 4A Size: 2 1/2" Orientation: Horizontal w/ Victaulic Series 702 Firelock Butterfly Valves & Kennedy Model KS RW gate valves or Apollo Model GV gate valve &

By-Pass:Apollo Series 77B & 77C Issued: 10/20/2010 Amended: 7/11/2012, 8/15/2012, 7/22/2015

Revision: 2011 Model: RPDA2 LF 4A Size: 3" Orientation: Horizontal w/Victaulic Series 702 Firelock Butterfly Valves & Kennedy Model KS-RW gate valves or Apollo Model GV gate valve & By-Pass:Apollo Series 77B & 77C Issued: 10/20/2010 Amended: 7/11/2012, 8/15/2012, 7/22/2015

Revision: 2011 Model: RPDA2 LF 4A Size: 4" Horizontal w/ Victaulic Series 702 Firelock Butterfly valves & Kennedy Model KS-RW gate valves or Apollo Model GV gate valve & Bypass: Apollo Series 77B & 77C Issued: 11/2/2009 Amended: 8/12/2010, 7/11/2012, 8/15/2012, 7/22/2015

Revision: 2011 Model: RPDA2 LF 4A Size: 6" Horizontal w/ Victaulic Series 702 Firelock Butterfly valves & Kennedy Model KS-RW gate valves or Apollo Model GV gate valve & Bypass: Apollo Series 77B & 77C Issued: 11/2/2009 Amended: 8/12/2010, 7/11/2012, 8/15/2012, 7/22/2015

Revision: 2011 Model: RPDA2 LF4A Size: 8" Horizontal w/ Victaulic 702 Firelock Butterfly Valves or Kennedy KS-RW Gate Valves & By-Pass: Apollo 1/2" Model 7B-103-01 & 7B-103-31 & Bypass: Apollo Series 77B & 77C Issued: 7/13/2009 Amended: 8/12/2010, 7/11/2012, 8/15/2012, 7/22/2015

Revision: 2011 Model: RPDA2 LF4AN Size: 10" Orientation: Vertical Up - Vertical Down w/ Victaulic Series 702 Firelock Butterfly Valves & Kennedy Model KS-RW gate valves or Apollo Model GV gate valve & By-Pass: Apollo Series 77B & 77C Issued: 7/13/2009 Amended: 10/11/2012, 7/22/2015

Revision: 2011 Model: RPDA2 LF4AN Size: 12" Orientation: Vertical Up - Vertical Down w/ Victaulic Series 702 Firelock Butterfly Valves & Kennedy Model KS-RW gate valves & By-Pass:Apollo Series 77B & 77C Issued: 7/13/2009 Amended: 1/15/2013, 7/22/2015

Revision: 2011 Model: RPDA2 LF4AN Size: 2 1/2" Vertical Up/Down, Vertical Up/Vertical Up w/ Victaulic Series 702 Firelock Butterfly Valves & Kennedy Model KS-RW gate valves or Apollo Model GV gate valve & By-Pass:Apollo Series 77B & 77C Issued: 10/20/2010 Amended: 7/11/2012, 8/15/2012, 7/22/2015

Revision: 2011 Model: RPDA2 LF4AN Size: 3" Vertical Up/Down, Vertical Up/Vertical Up w/Victaulic Series 702 Firelock Butterfly Valves & Kennedy Model KS-RW gate valves or Apollo Model GV gate valve & By-Pass:Apollo Series 77B & 77C Issued: 10/20/2010 Amended: 7/11/2012, 8/15/2012, 7/22/2015

Revision: 2011 Model: RPDA2 LF4AN Size: 4" Vertical Up/Vertical Down w/ Victaulic Series 702 Firelock Butterfly valves & Kennedy Model KS-RW gate valves or Apollo Model GV gate valve & Vertical up w/ Victaulic 702 Butterfly Valves & Apoloo 77B-100 & 77C-100 Bypass Issued: 11/2/2009 Amended: 8/12/2010, 2/28/2011, 7/11/2012, 8/15/2012, 7/22/2015

Revision: 2011 Model: RPDA2 LF4AN Size: 6" Vertical Up/Vertical Down, Vertical Up/ Vertical Up w/ Victaulic Series 702 Firelock Butterfly valves & Kennedy Model KS-RW gate valves or Apollo Model GV gate valve & Bypass: Apollo Series 77B & 77C Issued: 11/2/2009 Amended: 8/12/2010, 7/11/2012, 8/15/2012, 7/22/2015

Revision: 2011 Model: RPDA2 LF4AN Size: 8" Vertical Up/Down w/ Vicatulic 702 Firelock Butterfly Valves or Kennedy KS-RW Gate Valves or Apollo Model GV gate valve & By-Pass: Apollo 1/2" Model 7B-103-01 & 7B-103-31 & Vertical up w/ Victaulic 702 Butterfly Valves &

ASSE Seal Authorizations - January 23, 2019

Bypass: Apollo Series 77B & 77C Issued: 7/13/2009 Amended: 8/12/2010, 2/28/2011, 7/11/2012, 8/15/2012, 7/22/2015

FEBCO, a Watts **Regulator Company** Revision: 2011 Model: 826YD Size: 4 inch **Orientation: Horizontal** w/Kennedy KS II or Kennedy flange by groove OS&Y, Watts 405-RW NRS Series, Watts 409 OSY Series, **Kennedy Series** 7092ABF-OSY Issued: 3/21/1997 Amended: 2/9/2006

Revision: 2011 Model: 826YD Size: 6 inch **Orientation: Horizontal** w/Kennedy KS II or Kennedy flange by groove OS&Y, Watts 405-RW NRS Series, Watts 409 OSY Series, Kennedy Series 7092ABF-OSY Issued: 3/21/1997 Amended: 2/9/2006

Revision: 2011 Model: 826YD Size: 8 inch Orientation: Horizontal w/Kennedy KS II or Kennedy flange by groove OS&Y, Watts 405-RW NRS Series, Watts 409 OSY Series, Kennedy Series 7092ABF-OSY Issued: 3/21/1997 Amended: 2/9/2006

Revision: 2011 Model: LF866 Size: 10 inch **Orientation: Horizontal** w/Kennedy KS II or Kennedy flange by groove OS&Y, Watts 405-RW NRS Series, Watts 409 OSY Series, Kennedy Series 7092ABF-OSY Issued: 3/21/1997 Amended: 7/20/2017

Orientation: Horizontal w/Kennedy KS II or Kennedy flange by groove OS&Y, Watts 405-RW NRS Series, Watts 409 OSY Series, Kennedy Series 7092ABF-OSY Issued: 3/21/1997 Amended: 7/20/2017 Revision: 2011 Model: LF866 Size: 3 inch Orientation: Horizontal w/Kennedy KS II or Kennedy flange by groove OS&Y, Watts 405-RW NRS Series, Watts 409 OSY Series, Kennedy Series 7092ABF-OSY Issued: 3/21/1997 Amended: 7/20/2017 Revision: 2011 Model: LF866 Size: 4 inch **Orientation: Horizontal** w/Kennedy KS II or Kennedy flange by groove OS&Y, Watts 405-RW NRS Series, Watts 409 OSY Series, Kennedy Series 7092ABF-OSY Issued: 3/21/1997 Amended: 7/20/2017 Revision: 2011 Model: LF866 Size: 6 inch **Orientation: Horizontal** w/Kennedy KS II or Kennedy flange by groove ÓS&Y, Watts 405-RW NRS Series, Watts 409 OSY Series, **Kennedy Series** 7092ABF-OSY Issued: 3/21/1997 Amended: 7/20/2017 Revision: 2011 Model: LF866 Size: 8 inch Orientation: Horizontal w/Kennedy KS II or Kennedy flange by groove OS&Y, Watts 405-RW NRS Series, Watts 409 OSY Series, **Kennedy Series** 7092ABF-OSY Issued: 3/21/1997 Amended: 7/20/2017 ASSE Seal Authorizations - January 23, 2019

Revision: 2011

Model: LF866

Size: 2.5 inch

Revision: 2011 Model: LF886V Size: 10 inch **Orientation: Vertical Up** Vertical Down w/Kennedy KS II or Kennedy flange by groove OS&Y, Watts 405-RW NRS Series, Watts 409 OSY Series, Kennedy Series 7092ABF-OSY Issued: 3/21/1997 Amended: 7/20/2017 Revision: 2011 Model: LF886V Size: 2-1/2 inch Orientation: Vertical Up - Vertical Down VUVU and VUVD. w/Kennedy KS II or Kennedy flange by groove OS&Y, Watts 405-RW NRS Series, Watts 409 OSY Series, **Kennedy Series** 7092ABF-OSY Issued: 3/21/1997 Amended: 7/20/2017 Revision: 2011 Model: LF886V Size: 3 inch Orientation: Vertical Up - Vertical Down VUVU and VUVD. w/Kennedy KS II or Kennedy flange by groove OS&Y, Watts 405-RW NRS Series, Watts 409 OSY Series, Kennedy Series 7092ABF-OSY Issued: 3/21/1997 Amended: 7/20/2017 Revision: 2011 Model: LF886V Size: 4 inch **Orientation: Vertical Up** - Vertical Down VUVU and VUVD. w/Kennedy KS II or Kennedy flange by groove OS&Y, Watts 405-RW NRS Series, Watts 409 OSY Series, Kennedy Series 7092ABF-OSY Issued: 3/21/1997 Amended: 7/20/2017

Revision: 2011 Model: LF886V Size: 6 inch **Orientation: Vertical** Down - Vertical Up VUVU and VUVD. w/Kennedy KS II or Kennedy flange by groove OS&Y, Watts 405-RW NRS Series, Watts 409 OSY Series, Kennedy Series 7092ABF-OSY Issued: 3/21/1997 Amended: 7/20/2017

Revision: 2011 Model: LF886V Size: 8 inch **Orientation: Vertical Up** - Vertical Down VUVU and VUVD. w/Kennedy KS II or Kennedy flange by groove OS&Y, Watts 405-RW NRS Series. Watts 409 OSY Series, Kennedy Series 7092ABF-OSY Issued: 3/21/1997 Amended: 7/20/2017

Watts Regulator Company Revision: 2011 Model: 909 RPDA Size: 6 inch **Orientation: Horizontal** w/ 6 inch Kennedy KS-FW200W, Watts Regulator 409 RW OS & Issued: 11/28/2001 Amended: 10/23/2004

Revision: 2011 Model: 909 RPDA (LF)909 RPDA (SR) Size: 3 inch **Orientation: Horizontal** w/Watts Regulator 409 RW OS & Y Issued: 11/28/2001 Amended: 10/23/2004

Revision: 2011 Model: 909 RPDA (LF)909 RPDA (SR) Size: 4 inch **Orientation: Horizontal** w/ Watts Regulator 409 RW OS & Y Issued: 11/28/2001 Amended: 10/23/2004

Revision: 2011 Model: 909 RPDA (LF)909 RPDA (SR) LISTED TO 1047-2011 Size: 2-1/2 inch Orientation: Horizontal w/Watts Regulator 409 RW OS & Y Issued: 11/28/2001 Amended: 10/23/2004

Revision: 2011 Model: 909RPDAM1 (LF) 909RPDAM1 (SR) Size: 10 inch **Orientation: Horizontal** w/Watts Regulator 409 RŴ OS & Y Issued: 11/28/2001 Amended: 10/23/2004

Revision: 2011 Model: 909RPDAM1 (LF) 909RPDAM1 (SR) Size: 8 inch **Orientation: Horizontal** w/Watts Regulator 409 RW OS & Y Issued: 11/28/2001 Amended: 10/23/2004

Revision: 2011 Model: 957 RPDA "Standard" & (LF) 957 **RPDA** "Standard Size: 10 inch Orientation: Horizontal w/Clow Gate Valve, Series F6104/05//37/38/36/02, Kennedy Series 7592/93/61 & 7092/93/68, Union Series GV12, Watts Regulator 409 RW OS &

Issued: 7/15/2002 Amended: 10/1/2002 10/10/2006, 7/13/2012

Revision: 2011 Model: 957 RPDA "Standard" & (LF) 957 RPDA "Standard" Size: 2-1/2 inch Orientation: Horizontal w/Clow Gate Valve, Series F6104/05//37/38/36/02, Kennedy Series 7592/93/61 & 7092/93/68, Union Series GV12, Watts Regulator 409 RW OS &

Issued: 7/15/2002 Amended: 10/1/2002 10/10/2006, 7/13/2012

Revision: 2011 Model: 957 RPDA "Standard" & (LF) 957 RPDA "Standard' Size: 3 inch **Orientation: Horizontal** w/Clow Gate Valve, Series F6104/05//37/38/36/02, Kennedy Series 7592/93/61 & 7092/93/68, Union Series GV12, Watts Regulator 409 RW OS &

Issued: 7/15/2002 Amended: 10/1/2002 10/10/2006, 7/13/2012

Revision: 2011 Model: 957 RPDA "Standard" & (LF) 957 RPDA "Standard Size: 4 inch **Orientation: Horizontal** w/Clow Gate Valve, Series F6104/05//37/38/36/02, Kennedy Series 7592/93/61 & 7092/93/68, Union Series GV12, Watts Regulator 409 RW OS & Issued: 7/15/2002 Amended: 10/1/2002 10/10/2006, 7/13/2012 Revision: 2011 Model: 957 RPDA "Standard" & (LF) 957 **RPDA** "Standard' Size: 6 inch **Orientation: Horizontal** w/Clow Gate Valve, Series F6104/05//37/38/36/02, Kennedy Series 7592/93/61 & 7092/93/68, Union Series GV12, Watts Regulator 409 RW OS & Issued: 7/15/2002 Amended: 10/1/2002, 10/10/2006, 7/13/2012 Revision: 2011 Model: 957 RPDA "Standard" & (LF) 957 RPDA "Standard" Size: 8 inch **Orientation: Horizontal** w/Clow Gate Valve, Series F6104/05//37/38/36/02, Kennedy Series 7592/93/61 & 7092/93/68, Union Series GV12, Watts Regulator 409 RW OS & Issued: 7/15/2002 Amended: 10/1/2002, 10/10/2006, 7/13/2012

Revision: 2011 Model: 957N RPDA "N", (LF)957N RPDA "N" & 957Z RPDA "Z", (LF) 957Z RPDA "Z" Size: 10 inch Orientation: Horizontal w/Clow Series F6104/05/37/38/3602, Kennedy Series 7592/93/61 & 7092/93/68, Union Series GV 12, Victaulic Butterfly Series 702, Hunter Butterfly Series BFV, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 10/10/2006, 7/13/2012 Revision: 2011 Model: 957N RPDA "N", (LF)957N RPDA "N" & 957Z RPDA "Z", (LF) 957Z RPDA "Z" Size: 2-1/2 inch **Orientation: Horizontal** w/Clow Series F6104/05/37/38/3602, Kennedy Series 7592/93/61 & 7092/93/68, Union Series GV 12, Victaulic Butterfly Series 702, Hunter Butterfly Series BFV, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 10/10/2006, 7/13/2012 Revision: 2011 Model: 957N RPDA "N", (LF)957N RPDA "N" & 957Z RPDA "Z", (LF) 957Z RPDA "Z" Size: 3 inch Orientation: Horizontal w/Clow Series F6104/05/37/38/3602, Kennedy Series 7592/93/61 & 7092/93/68, Union Series GV 12, Victaulic Butterfly Series 702, Hunter Butterfly Series BFV, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002 10/10/2006, 7/13/2012 Revision: 2011 Model: 957N RPDA "N", (LF)957N RPDA "N" & 957Z RPDA "Z", (LF) 957Z RPDA "Z" Size: 4 inch **Orientation: Horizontal** w/Clow Series F6104/05/37/38/3602, Kennedy Series 7592/93/61 & 7092/93/68, Union Series GV 12, Victaulic Butterfly Series 702,

Hunter Butterfly Series BFV, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 10/10/2006, 7/13/2012 Revision: 2011 Model: 957N RPDA "N", (LF)957N RPDA "N" & 957Z RPDA "Z", (LF) 957Z RPDA "Z" Size: 6 inch Orientation: Horizontal w/Clow Series F6104/05/37/38/3602, Kennedy Series 7592/93/61 & 7092/93/68, Union Series GV 12, Victaulic Butterfly Series 702, Hunter Butterfly Series **BFV**, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 10/10/2006, 7/13/2012 Revision: 2011 Model: 957N RPDA "N", (LF)957N RPDA "N" & 957Z RPDA "Z", (LF) 957Z RPDA "Z" Size: 8 inch **Orientation: Horizontal** w/Clow Series F6104/05/37/38/3602, Kennedy Series 7592/93/61 & 7092/93/68, Union Series GV 12, Victaulic Butterfly Series 702, Hunter Butterfly Series BFV, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 10/10/2006, 7/13/2012 Revision: 2011 Model: 967 RPDA "Standard" & (LF) 967 RPDA "Standard" Size: 10 inch **Orientation: Horizontal** w/Clow Series "F 6104/05/37/38/36/02, Kennedy Series 7592/93/61 & 7092/93/68, Union Series GV12 Issued: 7/15/2002 Amended: 10/1/2002, 10/10/2006, 7/13/2012 Revision: 2011 Model: 967 RPDA "Standard" & (LF) 967 RPDA "Standard" Size: 2-1/2 inch Orientation: Horizontal w/Clow Series "F 6104/05/37/38/36/02, **Kennedy Series** 7592/93/61 & 7092/93/68, Union Series GV12, Watts

Regulator 409 RW OS & v Issued: 7/15/2002 Amended: 10/1/2002, 10/10/2006, 7/13/2012 Revision: 2011 Model: 967 RPDA "Standard" & (LF) 967 RPDA "Standard" Size: 3 inch **Orientation: Horizontal** w/Clow Series "F 6104/05/37/38/36/02, Kennedy Series 7592/93/61 & 7092/93/68, Union Series GV12, Watts Regulator 409 RW OS & Issued: 7/15/2002 Amended: 10/1/2002, 10/10/2006, 7/13/2012 Revision: 2011 Model: 967 RPDA "Standard" & (LF) 967 RPDA "Standard Size: 4 inch **Orientation: Horizontal** w/Clow Series "F 6104/05/37/38/36/02, Kennedy Series 7592/93/61 & 7092/93/68, Union Series GV12, Watts Regulator 409 RW OS & Issued: 7/15/2002 Amended: 10/1/2002, 10/10/2006, 7/13/2012 Revision: 2011 Model: 967 RPDA "Standard" & (LF) 967 RPDA "Standard" Size: 6 inch **Orientation: Horizontal** w/Clow Series "F 6104/05/37/38/36/02, Kennedy Series 7592/93/61 & 7092/93/68, Union Series GV12, Watts Regulator 409 RW OS & Issued: 7/15/2002 Amended: 10/1/2002 10/10/2006, 7/13/2012 Revision: 2011 Model: 967 RPDA "Standard" & (LF) 967 RPDA "Standard" Size: 8 inch **Orientation: Horizontal** w/Clow Series "F 6104/05/37/38/36/02, Kennedy Series 7592/93/61 & 7092/93/68, Union Series GV12 Issued: 7/15/2002 Amended: 10/1/2002, 7592/93/61 & 7092/93/68, Union Series GV12, Victaulic 10/10/2006, 7/13/2012 Butterfly Series 702,

Revision: 2011 Model: 967N RPDA "N". (LF) 967N RPDA "N" & 967Z RPDA "Z", (LF) 967Z RPDA "Z" Size: 10 inch Orientation: Horizontal w/Clow Series F 6104/05//37/38/36/02, Kennedy Series 7592/93/61 & 7092/93/68, Union Series GV12, Victaulic Butterfly Series 702, Hunter Butterfly Series BFV, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 10/10/2006, 7/13/2012 Revision: 2011 Model: 967N RPDA "N", (LF) 967N RPDA "N" 967Z RPDA "Z", (LF) 967Z RPDA "Z" & Size: 2-1/2 inch Orientation: Horizontal w/Clow Series F 6104/05//37/38/36/02, Kennedy Series 7592/93/61 & 7092/93/68, Union Series GV12, Victaulic Butterfly Series 702, Hunter Butterfly Series **BFV**, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002 10/10/2006, 7/13/2012 Revision: 2011 Model: 967N RPDA "N", (LF) 967N RPDA "N" & 967Z RPDA "Z", (LF) 967Z RPDA "Z" Size: 3 inch **Orientation: Horizontal** w/Clow Series F 6104/05//37/38/36/02, Kennedy Series 7592/93/61 & 7092/93/68, Union Series GV12, Victaulic Butterfly Series 702, Hunter Butterfly Series BFV, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002 10/10/2006, 7/13/2012 Revision: 2011 Model: 967N RPDA "N", (LF) 967N RPDA "N" & 967Z RPDA "Z", (LF) 967Z RPDA "Z" Size: 4 inch **Orientation: Horizontal** w/Clow Series F 6104/05//37/38/36/02, Kennedy Series

Page 72

Issued: 7/15/2002 Amended: 10/1/2002, 10/10/2006, 7/13/2012 Revision: 2011 Model: 967N RPDA "N", (LF) 967N RPDA "N" & RW 967Z RPDA "Z", (LF) 967Z RPDA "Z" Size: 6 inch **Orientation: Horizontal** (LF)994F(SR) w/Clow Series F 6104/05//37/38/36/02, Sizé: 8 inch Kennedy Series 7592/93/61 & 7092/93/68, Union Series GV12, Victaulic Butterfly Series 702, Hunter Butterfly Series RW **BFV, Watts Regulator 409** RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, Zurn 10/10/2006, 7/13/2012 Revision: 2011 Model: 967N RPDA "N", (LF) 967N RPDA "N" & 967Z RPDA "Z", (LF) 967Z RPDA "Z" Size: 8 inch **Orientation: Horizontal** w/Clow Series F 6104/05//37/38/36/02, Kennedy Series 7592/93/61 & 7092/93/68, Union Series GV12, Victaulic Size: 2-1/2 Butterfly Series 702, Hunter Butterfly Series BFV, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002 10/10/2006, 7/13/2012 Revision: 2011 Model: 994F-RPDA; (LF)994F(SR) Size: 10 inch Orientation: Horizontal Size: 3' w/Watts 009M2-QT 3/4 inch, Watts Regulator 409 RW OS & Y, Watts 405, Kennedy KW and Issued: 8/1/1997 Revision: 2011 Model: 994F-RPDA; (LF)994F(SR) Size: 4 inch Orientation: Horizontal w/Watts 009M2-QT 3/4 Size: 4" inch, Watts Regulator 409 RW OS & Y, Watts 405, Kennedy KW and Issued: 8/1/1997

Hunter Butterfly Series

RW OS & Y

BFV, Watts Regulator 409

Revision: 2011 Model: 994F-RPDA; (LF)994F(SR) Size: 6 inch Orientation: Horizontal w/Watts 009M2-QT 3/4 inch, Watts Regulator 409 RW OS & Y, Watts 405, Kennedy KW and Issued: 8/1/1997 Revision: 2011 Model: 994F-RPDA; **Orientation: Horizontal** w/Watts 009M2-QT 3/4 inch, Watts Regulator 409 RW OS & Y, Watts 405, Kennedy KW and Issued: 8/1/1997 Wilkins / A Division of Revision: 2011 Model: 375ASTDA Size: 10" Orientation: Horizontal w/ Wilkins model 48 gate valve, Wilkins model 49 butterfly valve, Victaulic model 702 and Clow model 2638/39/40 Issued: 1/16/2012 Amended: 8/15/2012 Revision: 2011 Model: 375ASTDA **Orientation: Horizontal** W/shut-off Wilkins Model 48, Clow Model 2639, Victaulic Model 702 and Bypass line Ningbo Ball Valves (Wilkins 855-QT) Issued: 5/12/2011 Amended: 8/15/2012 Revision: 2011 Model: 375ASTDA **Orientation: Horizontal** W/shut-off Wilkins Model 48, Clow Model 2639, Victaulic Model 702 and Bypass line Ningbo Ball Valves (Wilkins 855-QT) İssued: 5/12/2011 Amended: 8/15/2012 Revision: 2011 Model: 375ASTDA **Orientation: Horizontal** W/shut-off Wilkins Model 48, Clow Models 2639, 2640, Victaulic Model 702 and Bypass line Ningbo Ball Valves (Wilkins 855-QT) İssued: 5/12/2011 Amended: 8/15/2012

Revision: 2011 Model: 375ASTDA Size: 6' Orientation: Horizontal W/shut-off Wilkins Model 48, Clow Models 2639, 2640, Victaulic Model 702 and Bypass line Ningbo Ball Valves (Wilkins 855-QT) Issued: 5/12/2011 Amended: 8/15/2012 Revision: 2011 Model: 375ASTDA Size: 8" **Orientation: Horizontal** w/Wilkins model 48 gate valve, Wilkins model 49 butterfly valve Victaulic model 702 and Clow model 2638/39/40 Issued: 1/16/2012 Amended: 8/15/2012 Revision: 2011 Model: 375ASTDAR Size: 10' Orientation: Horizontal w/ Wilkins model 48 gate valve, Wilkins model 49 butterfly valve, Victaulic model 702 and Clow model 2638/39/40 Issued: 5/12/2011 Revision: 2011 Model: 375ASTDAR Size: 2-1/2' **Orientation: Horizontal** W/shut-off Wilkins Model 48, Clow Model 2639, Victaulic Model 702 and Bypass line Ningbo Ball Valves (Wilkins 855-QT) Issued: 5/12/2011 Revision: 2011 Model: 375ASTDAR Size: 3' Orientation: Horizontal W/shut-off Wilkins Model 48, Clow Model 2639, Victaulic Model 702 and Bypass line Ningbo Ball Valves (Wilkins 855-QT) Issued: 5/12/2011 Revision: 2011 Model: 375ASTDAR Size: 4" Orientation: Horizontal W/shut-off Wilkins Model 48, Clow Models 2639, 2640, Victaulic Model 702 and Bypass line Ningbo Ball Valves (Wilkins 855-QT) İssued: 5/12/2011

Revision: 2011 Model: 375ASTDAR Size: 6" **Orientation: Horizontal** W/shut-off Wilkins Model 48, Clow Models 2639, 2640, Victaulic Model 702 and Bypass line Ningbo Ball Valves (Wilkins 855-QT) İssued: 5/12/2011 Revision: 2011 Model: 375ASTDAR Size: 8" **Orientation: Horizontal** w/ Wilkins model 48 gate valve, Wilkins model 49 butterfly valve, Victaulic model 702 and Clow model 2638/39/40 Issued: 5/12/2011 Revision: 2011 Model: 475 STDA / 475STDAR Size: 10' **Orientation: Vertical Up** - Vertical Down **Reduced Pressure Detector Assembly** Orientation VUVU and VUVD Issued: 5/12/2011 Amended: 4/25/2018 Revision: 2011 Model: 475 STDA / 475STDAR Size: 4" Orientation: Vertical Up Vertical Down **Reduced Pressure Detector Assembly** Orientation VUVU and VUVD Issued: 5/12/2011 Amended: 4/25/2018 Revision: 2011 Model: 475 STDA / 475STDAR Size: 6" Orientation: Vertical Up - Vertical Down **Reduced Pressure Detector Assembly** Orientation VUVU and VUVD Issued: 5/12/2011 Amended: 4/25/2018 Revision: 2011 Model: 475 STDA / 475STDAR Size: 8" **Orientation: Vertical Up** - Vertical Down **Reduced Pressure Detector Assembly** Orientation VUVU and VUVD Issued: 5/12/2011 Amended: 4/25/2018

475DAMS Size: 4 inch Orientation: Horizontal w/ 3/4" Wilkins 975XL (bypass) & Wilkins Model 48 Gate Valve, Clow R/W F6136 Gate Valve, or Victaulic 702 Butterfly Valve, Wilkins 49 Butterfly Valve Issued: 1/3/2000 Amended: 6/1/2005 10/23/2007, 11/4/2008, 1/26/2010, 8/20/2012 Revision: 2011 Model: 475DA & **475DAMS** Size: 6 inch **Orientation: Horizontal** w/ 3/4" Wilkins 975XL (bypass) & Wilkins Model 48 Gate Valve, Clow R/W F6136 Gate Valve, or Victaulic 702 Butterfly Valve, Wilkins 49 Butterfly Valve Issued: 1/3/2000 Amended: 6/1/2005, 10/23/2007, 11/4/2008, 1/26/2010, 8/20/2012 Revision: 2011

Revision: 2011

Model: 475DA &

Model: 475DA & **475DAMS** Size: 8 inch **Orientation: Horizontal** w/ 3/4" Wilkins 975XL (bypass) & Wilkins Model 48 Gate Valve, Clow R/W F6136 Gate Valve, or Victaulic 702 Butterfly Valve, Wilkins 49 Butterfly Valve Issued: 1/3/2000 Amended: 6/1/2005, 10/23/2007, 11/4/2008, 1/26/2010, 8/20/2012

Revision: 2011 Model: 475DAV & 475DAVMS Size: 4 inch Orientation: Horizontal Vertical Up/Vertical Up w/ 3/4" Wilkins 975XL (bypass) & Wilkins Model 48 Gate Valve, Clow R/W F6136 Gate Valve, or Victaulic 702 Butterfly Valve, Wilkins 49 Butterfly Valve Issued: 1/3/2000 Amended: 6/1/2005, 10/23/2007, 11/4/2008, 1/26/2010, 8/20/2012

Revision: 2011 Model: 475DAV & 475DAVMS Size: 6 inch Vertical Up/Vertical Up w/ 3/4" Wilkins 975XL (bypass) & Wilkins Model 48 Gate Valve, Page 73

RW

RW

Clow R/W F6136 Gate Revision: 2005 Revision: 2005 Revision: 2011 Revision: 2011 Valve, or Victaulic 702 Model: 375ADA & Model: 3000SS (3000SS-Model: 375DA & Model: 3000SS (3000SS-Butterfly Valve, Wilkins 375ADAR 375DAMS RS) RS) Size: 6' 49 Butterfly Valve Size: 6' Size: 10 inch Size: 8 inch Orientation: Horizontal Orientation: Horizontal -Orientation: Horizontal -Issued: 1/3/2000 Orientation: Horizontal w/ 3/4" WIlkins 975XL Amended: 1/26/2010, w/ 3/4" Wilkins 975 XL Vertical Up Vertical Up (bypass) & Wilkins (bypass) & Wilkins 8/20/2012, 8/27/2018 w/Watts 007M2-QT w/Watts 007M2-QT Model 48 Gate Valve, Model 48 Gate Valve or Watts Regulator 409 RW Watts Regulator 409 RW Clow R/W F6136 Gate OS & Y, Watts 405 OS & Y, Watts 405, Kennedy KW and RW Clow R/W F6136 Gate Revision: 2011 Valve, Wilkins 49 Model: 475DAV & Kennedy KW and RW Valve or Victaulic 702 Butterfly Valve, Wilkins 49 Butterfly Valve Butterfly Valve Issued: 1/11/1999 Amended: 10/23/2007, 475DAVMS Issued: 12/18/2013 Issued: 12/18/2013 Size: 8 inch Vertical Up/Vertical Up Issued: 1/11/1999 Revision: 2011 Revision: 2011 w/ 3/4" Wilkins 975XL Amended: 10/23/2007, 1/26/2010, 8/20/2012 Model: 3000SS (3000SS-Model: Colt 300, Colt (bypass) & Wilkins 300(LF), Colt 300N, Colt 1/26/2010, 8/20/2012 RS) Model 48 Gate Valve, Revision: 2005 300N(LF) Size: 12 inch Clow R/W F6136 Gate Revision: 2005 Model: 375DA & Orientation: Horizontal -Size: 10 inch Valve, or Victaulic 702 Model: 375ADA & 375DAMS Vertical Up Orientation: Horizontal -Butterfly Valve, Wilkins 375ADAR Vertical Up Size: 8' w/Watts 007M2-QT 49 Butterfly Valve Watts Regulator 409 RW Size: 8" **Orientation: Horizontal** w/Clow w/ 3/4" Wilkins 975XL (bypass) & Wilkins OS & Y, Watts 405, Kennedy KW and RW Orientation: Horizontal w/ 3/4" Wilkins 975 XL F6104/05/37/38/36/02, Issued: 1/3/2000 Kennedy 7592/93/61 & 7092/93/68, Union GV Amended: 6/1/2005, 10/23/2007, 11/4/2008, 1/26/2010, 8/20/2012 (bypass) & Wilkins 48 Model 48 Gate Valve or Issued: 12/18/2013 12, Victaulic Series 702. Gate Valve, Clow R/W Clow R/W F6136 Gate F6136 Gate Valve or Valve, Wilkins 49 Butterfly Valve Revision: 2011 Hunter Series BFV, Watts Victaulic 702 Butterfly Regulator 409 RW OS & Model: 3000SS (3000SS-Revision: 2005 Valve, Wilkins 49 Model: 375ADA & Issued: 1/11/1999 RS) Butterfly Valve Issued: 1/11/1999 Size: 2-1/2 inch Orientation: Horizontal -Issued: 12/18/2013 Amended: 10/1/2002, 375ADAR Amended: 10/23/2007, 1/26/2010, 8/20/2012 Size: 2 1/2" Amended: 10/23/2007, **Orientation: Horizontal** Vertical Up 1/15/2013 Revision: 2005 Model: 375DA & w/ Victaluic 702 1/26/2010, 8/20/2012 w/Watts 007M2-QT Butterfly Valve, Wilkins Watts Regulator 409 RW Revision: 2011 Model 48 Gate Valve, Revision: 2005 375DAMS (ASSE1047-OS & Y, Watts 405, Model: Colt 300, Colt Kennedy KW and RW Clow Model R/W F6136, Model: 375DA & 2011) 300(LF), Colt 300N, Colt Size: 10" Wilkins 49 Butterfly 375DAMS Issued: 12/18/2013 300N(LF Valve and By-Pass Size: 2 1/2" **Orientation: Horizontal** Size: 2-1/2 inch w/ 3/4" Wilkins 975XL (bypass) & Wilkins Model 48 Gate Valve or Orientation: Horizontal w/ 3/4" Wilkins 975XL (bypass) & Wilkins Fortune Model 620-QT Revision: 2011 Orientation: Horizontal -Issued: 1/11/1999 Amended: 4/7/2009 Model: 3000SS (3000SS-Vertical Up RS) w/Clow F6104/05/37/38/36/02, Kennedy 7592/93/61 & 7092/93/68, Union GV 1/26/2010, 8/20/2012 Model 48 Gate Valve or Clow R/W F6136 Gate Size: 3 inch Valve, Wilkins 49 Butterfly Valve Issued: 1/11/1999 Clow R/W F6136 Gate Orientation: Horizontal -Revision: 2005 Valve Vertical Up Model: 375ADA & w/Watts 007M2-QT, 12, Victaulic Series 702, Issued: 1/11/1999 Amended: 10/23/2007, Watts Regulator 409 RW 375ADAR Hunter Series BFV, Watts OS & Y, Watts 405, Kennedy KW and RW 8/20/2012 Regulator 409 RW OS & Size: 3" **Orientation: Horizontal** STANDARD #ASSE 1048 w/ Victaluic 702 Revision: 2005 Issued: 12/18/2013 Issued: 12/18/2013 Butterfly Valve, Wilkins Model 48 Gate Valve, Amended: 10/1/2002, 1/15/2013 Model: 375DA & **Double Check Detector** 375DAMS Revision: 2011 Fire Protection Backflow Clow Model R/W F6136, Size: 3" Model: 3000SS (3000SS-Prevention Assemblies RS) Wilkins 49 Butterfly Orientation: Horizontal Revision: 2011 ASSE-2011 w/ 3/4" Wilkins 975XL (bypass) & Wilkins Model: Colt 300, Colt 300(LF), Colt 300N, Colt Valve and By-Pass Size: 4 inch Fortune Model 620-QT Orientation: Horizontal -AMES Fire & Model 48 Gate Valve or Issued: 1/11/1999 Vertical Up 300N(LF) Waterworks, a Watts Amended: 4/7/2009, 1/26/2010, 8/20/2012 Clow R/W F6136 Gate w/Watts 007M2-QT Size: 3 inch **Regulator Company** Orientation: Horizontal -Watts Regulator 409 RW Valve Revision: 2011 Issued: 1/11/1999 OS & Y, Watts 405 Vertical Up Model: 3000B(LF), Revision: 2005 Amended: 10/23/2007, Kennedy KW and RW w/Clow 3000B-FP Model: 375ADA & 8/20/2012 Issued: 12/18/2013 F6104/05/37/38/36/02, 3000BM1(LF), 375ADAR Kennedy 7592/93/61 & 3000BM1-FP 7092/93/68, Union GV Size: 4" Revision: 2005 Revision: 2011 Size: 2 Orientation: Horizontal Model: 375DA & Model: 3000SS (3000SS-12, Victaulic Series 702, Orientation: Horizontal w/ 3/4" Wilkins 975 XL **375DAMS** Hunter Series BFV, Watts RS) Vertical Up (bypass) & Wilkins Size: 4" Size: 6 inch Regulator 409 RW OS & w/ American Flow Model 48 Gate Valve, Clow R/W F6136 Gate Orientation: Horizontal -**Orientation: Horizontal** Control Series 2500-OSY, w/ 3/4" Wilkins 975XL (bypass) & Wilkins Issued: 12/18/2013 Vertical Up Watts Model 409 RW Valve or Victaulic 702 w/Watts 007M2-QT Amended: 10/1/2002, OSY, Watts Model FBV-Model 48 Gate Valve, or Watts Regulator 409 RW Butterfly Valve, Wilkins 1/15/2013 FP, Ames Model A-FBV-Clow R/W F6136 Gate OS & Y, Watts 405 49 Butterfly Valve FP Issued: 1/11/1999 Valve, Wilkins 49 Kennedy KW and RW Amended: 10/23/2007, **Butterfly Valve** Issued: 12/18/2013 Issued: 4/13/2006 1/26/2010, 8/20/2012 Issued: 1/11/1999 Amended: 2/27/2009, Amended: 1/26/2010, 5/9/2011 8/20/2012

Revision: 2011	Revision: 2011	Revision: 2011	F6104/05/37/38/36/02;	Apollo Valves /
Model: Colt 300, Colt	Model: Colt 300a, Colt	Model: Maxim 300,	Kennedy 7592/93/61 &	Conbraco Industries Revision: 2011
300(LF), Colt 300N, Colt 300N(LF)	300a(LF), Colt 300Na & Colt 300Na (LF)	Maxim 300(LF), Maxim 300N, Maxim 300N(LF)	7092/93/68; Union GV12; Victaulic 702;	Model: DCDA 4A &
Size: 4 inch	Size: 3 inch	Size: 2-1/2 inch	Hunter BFV	DCDA LF4A
Orientation: Horizontal - Vertical Up	Orientation: Horizontal - Vertical Up	Orientation: Horizontal - Vertical Up	Issued: 12/18/2013 Amended: 10/1/2002,	Size: 1 1/2" Orientation: Horizontal -
w/Clow	w/Clow	w/Clow	1/15/2013	Vertical Up
F6104/05/37/38/36/02,	F6104/05/37/38/36/02;	F6104/05/37/38/36/02;		w/Apollo's 77S-XT (and
Kennedy 7592/93/61 & 7092/93/68, Union GV	Kennedy 7592/93/61 & 7092/93/68; Union GV	Kennedy 7592/93/61 & 7092/93/68; Union	Revision: 2011 Model: Maxim 300.	77SLF-XT for lead free models) gear operated
12, Victaulic Series 702,	12; Victaulic 702	GV12; Victaulic 702;	Maxim 300(LF), Maxim	ball valves.
Hunter Series BFV, Watts	Issued: 12/18/2013	Hunter BFV, Watts	300N, Maxim 300N(LF)	Issued: 6/3/2014
Regulator 409 RW OS & Y	Amended: 10/1/2002, 1/15/2013	Regulator 409 RW OS & Y	Size: 8 inch Orientation: Horizontal -	Revision: 2011
Issued: 12/18/2013		Issued: 12/18/2013	Vertical Up	Model: DCDA 4A &
Amended: 10/1/2002, 1/15/2013	Revision: 2011 Model: Colt 300a, Colt	Amended: 10/1/2002, 1/15/2013	Horizontal w/Clow F6104/05/37/38/36/02;	DCDA LF4A Size: 2"
1/15/2015	300a(LF), Colt 300Na &	1/15/2015	Kennedy 7592/93/61 &	Orientation: Horizontal -
Revision: 2011	Colt 300Na(LF)	Revision: 2011	7092/93/68; Union	Vertical Up
Model: Colt 300, Colt 300(LF), Colt 300N, Colt	Size: 4 inch Orientation: Horizontal -	Model: Maxim 300, Maxim 300(LF), Maxim	GV12; Victaulic 702; Hunter BFV, Watts	w/Apollo's 77S-XT (and 77SLF-XT for lead free
300Ň(ĽÉ)	Vertical Up	300N, Maxim 300N(LF)	Regulator 409 RW OS &	models) gear operated
Size: 6 inch Orientation: Horizontal -	w/Clow F6104/05/37/38/36/02;	Size: 3 inch Orientation: Horizontal -	Y & Vertical Up w/Clow F6104/05/37/38/36/02;	ball valves. Issued: 6/3/2014
Vertical Up	Kennedy 7592/93/61 &	Vertical Up	Kennedy 7592/93/61 &	Amended: 7/22/2015
w/Clow	7092/93/68; Union GV	w/Clow	7092/93/68; Union	
F6104/05/37/38/36/02, Kennedy 7592/93/61 &	12; Victaulic 702 Issued: 12/18/2013	F6104/05/37/38/36/02; Kennedy 7592/93/61 &	GV12; Victaulic 702; Hunter BFV	Revision: 2011 Model: DCDA LF4A
7092/93/68, Union GV	Amended: 10/1/2002,	7092/93/68; Union	Issued: 12/18/2013	Size: 10"
12, Victaulic Series 702, Hunter Series BFV, Watts	1/15/2013	GV12; Victaulic 702; Hunter BFV, Watts	Amended: 10/1/2002, 1/15/2013	Orientation: Horizontal - Vertical Up
Regulator 409 RW OS &	Revision: 2011	Regulator 409 RW OS &	1/13/2013	Horizontal, Vertical Up
Y	Model: Colt 300a, Colt	Y	Revision: 2011	wiith Victaulic Series 702
lssued: 12/18/2013 Amended: 10/1/2002,	300a(LF), Colt 300Na & Colt 300Na(LF)	Issued: 12/18/2013 Amended: 10/1/2002,	Model: Maxim 300a, Maxim 300a(LF), Maxim	Firelock or Kennedy Model KS-RW main shut-
1/15/2013	Size: 6 inch	1/15/2013	300Na, Maxim	offs or Apollo Model GV
Povision: 2011	Orientation: Horizontal -	Revision: 2011	300Na(LF)	gate valve and Apollo
Revision: 2011 Model: Colt 300, Colt	Vertical Up w/Clow	Model: Maxim 300,	Size: 2-1/2 inch Orientation: Horizontal -	77B & 77C Series bypass shut-offs
300(LF), Colt 300N, Colt	F6104/05/37/38/36/02;	Maxim 300(LF), Maxim	Vertical Up	Issued: 7/13/2009
300N(LF) Size: 8 inch	Kennedy 7592/93/61 & 7092/93/68; Union GV	300N, Maxim 300N(LF) Size: 4 inch	w/Watts Regulator 409 RW OS & Y	Amended: 10/10/2012, 7/22/2015
Orientation: Horizontal -	12; Victaulic 702	Orientation: Horizontal -	Issued: 12/18/2013	
Vertical Up	Issued: 12/18/2013	Vertical Up	Amended: 10/1/2002, 1/15/2013	Revision: 2011 Model: DCDA LF4A
w/Clow F6104/05/37/38/36/02,	Amended: 10/1/2002, 1/15/2013	Horizontal w// w/Clow F6104/05/37/38/36/02;	1/15/2015	Size: 12"
Kennedy 7592/93/61 &		Kennedy 7592/93/61 &	Revision: 2011	Orientation: Horizontal
7092/93/68, Union GV 12, Victaulic Series 702,	Revision: 2011 Model: Maxim 300,	7092/93/68; Union GV12; Victaulic 702;	Model: Maxim 300a, Maxim 300a(LF), Maxim	w/ Victaulic Series 702 Firelock Butterfly Valves
Hunter Series BFV, Watts	Maxim 300(LF), Maxim	Hunter BFV, Watts	300Na, Maxim	& Kennedy Model KS-
Regulator 409 RW OS & Y	300N, Maxim 300N(LF) Size: 10 inch	Regulator 409 RW OS & Y & Vertical Up w/Clow	300Na(LF) Size: 3 inch	RW gate valves & By- Pass:Apollo Series 77B &
Issued: 12/18/2013	Orientation: Horizontal -	F6104/05/37/38/36/02;	Orientation: Horizontal -	77C
Amended: 10/1/2002,	Vertical Up	Kennedy 7592/93/61 &	Vertical Up	Issued: 7/13/2009
1/15/2013	Horizontal w// w/Clow F6104/05/37/38/36/02;	7092/93/68; Union GV12; Victaulic 702;	w/Watts Regulator 409 RW OS & Y	Amended: 1/15/2013
Revision: 2011	Kennedy 7592/93/61 &	Hunter BFV	Issued: 12/18/2013	Revision: 2011
Model: Colt 300a, Colt 300a(LF), Colt 300Na &	7092/93/68; Union GV12; Victaulic 702;	Issued: 12/18/2013 Amended: 10/1/2002,	Amended: 10/1/2002, 1/15/2013	Model: DCDA LF4A Size: 2 1/2"
Colt 300Na(LF)	Hunter BFV, Watts	1/15/2013		Horizontal, Vertical up
Size: 2-1/2 inch	Regulator 409 RW OS &	Revision: 2011	Revision: 2011	w/ Victaulic Series 702
Orientation: Horizontal - Vertical Up	Y & Vertical Up w/Clow F6104/05/37/38/36/02;	Model: Maxim 300,	Model: Maxim 300a, Maxim 300a(LF), Maxim	Firelock Butterfly Valves & Kennedy Model KS-
w/Clow	Kennedy 7592/93/61 &	Maxim 300(LF), Maxim	300Na, Maxim	RW gate valves or Apollo
F6104/05/37/38/36/02; Kennedy 7592/93/61 &	7092/93/68; Union GV12; Victaulic 702;	300N, Maxim 300N(LF) Size: 6 inch	300Na(LF) Size: 4 inch	Model GV gate valve & By-Pass: Apollo 77B &
7092/93/68; Union GV	Hunter BFV	Orientation: Horizontal -	Orientation: Horizontal -	77C Series
12; Victaulic 702	Issued: 12/18/2013	Vertical Up	Vertical Up	Issued: 10/20/2010
lssued: 12/18/2013 Amended: 10/1/2002,	Amended: 10/1/2002, 1/15/2013	Horizontal w/Clow F6104/05/37/38/36/02;	w/Watts Regulator 409 RW OS & Y	Amended: 7/11/2012, 8/15/2012, 7/22/2015
1/15/2013		Kennedy 7592/93/61 &	Issued: 12/18/2013	
		7092/93/68; Union GV12; Victaulic 702;	Amended: 10/1/2002, 1/15/2013	Revision: 2011 Model: DCDA LF4A
		Hunter BFV, Watts	_, _0, _010	Size: 3"
		Regulator 409 RW OS & Y & Vertical Up w/Clow		Horizontal, Vertical up w/ Victaulic Series 702
ASSE Seal Authorizations	- January 23, 2019		I	Page 75

Firelock Butterfly Valves	Revision: 2011	Revision: 2011	Model GV gate valve &	77B & 77C Series bypass
& Kennedy Model KS-	Model: DCDA LF4AN	Model: DCDA LF4AN	By-Pass: Apollo 77B &	shut-offs
RW gate valves or Apollo	Size: 12"	Size: 8"	77C Series	Issued: 7/13/2009
Model GV gate valve &	Orientation: Vertical Up	Vertical Up/Down w/	Issued: 10/20/2010	Amended: 10/10/2012
By-Pass: Apollo 77B &	- Vertical Down	Victaulic 702 Firelock	Amended: 7/11/2012,	
77C Series	w/ Victaulic Series 702	Butterfly Valves or	8/15/2012	Revision: 2011
Issued: 10/20/2010	Firelock Butterfly Valves	Kennedy KS-RW Gate	-,,	Model: DCDA2 LF4AN
Amended: 7/11/2012,	& Kennedy Model KS-	Valves or Apollo Model	Revision: 2011	Size: 12"
8/15/2012, 7/22/2015	RW gate valves & By-	GV gate valve & By-Pass:	Model: DCDA2 LF4A	Orientation: Vertical Up
0, 10, 1011, 7, 11, 1010	Pass:Apollo Series 77B &	Apollo 77B & 77C Series	Size: 3"	- Vertical Down
Revision: 2011	77C	Issued: 7/13/2009	Horizontal, Vertical up	w/ Victaulic Series 702
Model: DCDA LF4A	Issued: 7/13/2009	Amended: 8/12/2010,	w/ Victaulic Series 702	Firelock Butterfly Valves
Size: 4"	Amended: 1/15/2013	7/11/2012, 8/15/2012,	Firelock Butterfly Valves	& Kennedy Model KS-
Horizontal & Vertical Up	·	7/22/2015	& Kennedy Model KS-	RW gate valves & By-
w/ Victaulic 702 Firelock	Revision: 2011	.,,	RW gate valves or Apollo	Pass:Apollo Series 77B &
Butterfly Valves or	Model: DCDA LF4AN	Revision: 2011	Model GV gate valve &	77C
Kennedy KS-RW Gate	Size: 2 1/2"	Model: DCDA2 4A &	By-Pass: Apollo 77B &	Issued: 7/13/2009
Valves or Apollo Model	Orientation: Vertical Up	DCDA2 LF4A	77C Series	Amended: 1/15/2013
GV gate valve & By-Pass:	- Vertical Down	Size: 1 1/2"	Issued: 10/20/2010	
Apollo 77B & 77C Series	Vertical Up/ Down w/	Orientation: Horizontal -	Amended: 7/11/2012,	Revision: 2011
Issued: 7/13/2009	Victaulic Series 702	Vertical Up	8/15/2012	Model: DCDA2 LF4AN
Amended: 8/12/2010,	Firelock Butterfly Valves	w/Apollo's 77S-XT (and	0, 10, 1011	Size: 2 1/2"
7/11/2012, 8/15/2012,	& Kennedy Model KS-	77SLF-XT for lead free	Revision: 2011	Vertical up/down w/
7/22/2015	RW gate valves or Apollo	models) gear operated	Model: DCDA2 LF4A	Victaulic Series 702
.,==,====	Model GV gate valve &	ball valves.	Size: 4"	Firelock Butterfly Valves
Revision: 2011	By-Pass: Apollo 77B &	Issued: 6/3/2014	Horizontal & Vertical Up	& Kennedy Model KS-
Model: DCDA LF4A	77C Series		w/ Vitaulic 702 Firelock	RW gate valves or Apollo
Size: 6"	Issued: 10/20/2010	Revision: 2011	Butterfly Valves or	Model GV gate valve &
Horizontal & Vertical Up	Amended: 7/11/2012,	Model: DCDA2 4A &	Kennedy KS-RW Gate	By-Pass: Apollo 77B &
w/ Victaulic 702 Firelock	8/15/2012, 7/22/2015	DCDA2LF 4A	Valves or Apollo Model	77C Series
Butterfly Valves or		Size: 2"	GV gate valve & By-Pass:	Issued: 10/20/2010
Kennedy KS-RW Gate	Revision: 2011	Orientation: Horizontal -	Apollo 77B & 77C Series	Amended: 7/11/2012,
Valves or Apollo Model	Model: DCDA LF4AN	Vertical Up	Issued: 7/13/2009	8/15/2012
GV gate valve & By-Pass	Size: 3"	w/Apollo's 77S-XT (and	Amended: 8/12/2010,	
Apollo 77B & 77C Series	Vertical Up/Down w/	77SLF-XT for lead free	7/11/2012, 8/15/2012	Revision: 2011
lssued: 7/13/2009	Victaulic Series 702	models) gear operated		Model: DCDA2 LF4AN
Amended: 8/12/2010,	Firelock Butterfly Valves	ball valves.	Revision: 2011	Size: 3"
7/11/2012, 8/15/2012,	& Kennedy Model KS-	Issued: 6/3/2014	Model: DCDA2 LF4A	Vertical Up/Down w/
7/22/2015	RW gate valves or Apollo		Size: 6"	Victaulic Series 702
	Model GV gate valve &	Revision: 2011	Horizontal & Vertical Up	Firelock Butterfly Valves
Revision: 2011	By-Pass: Apollo 77B &	Model: DCDA2 LF4A	w/w/Victaulic 702	& Kennedy Model KS-
Model: DCDA LF4A	77C Series	Size: 10"	Firelock Butterfly Valves	RW gate valves or Apollo
Size: 8"	Issued: 10/20/2010	Orientation: Horizontal -	or Kennedy KS-RW Gate	Model GV gate valve &
Horizontal & Vertical Up	Amended: 7/11/2012,	Vertical Up	Valves or Apollo Model	By-Pass: Apollo 77B &
w/ Victaulic 702 Firelock	8/15/2012, 7/22/2015	Horizontal - Vertical Up	GV gate valve & By-Pass	77C Series
Butterfly Valves or	Povision: 2011	with Victaulic Series 702 Firelock or Kennedy	Apollo 7B-103-01 & 7B- 103031	Issued: 10/20/2010
Kennedy KS-RW Gate Valves or Apollo Model	Revision: 2011 Model: DCDA LF4AN	Model KS-RW or Apollo	Issued: 7/13/2009	Amended: 7/11/2012, 8/15/2012
GV gate valve & By-Pass:		Model GV gate valve	Amended: 8/12/2010,	8/13/2012
Apollo 77B & 77C Series	Vertical Up/Down w/	main shut-offs and	7/11/2012, 8/15/2012	Revision: 2011
Issued: 7/13/2009	Victaulic 702 Firelock	Apollo 77B & 77C Series	//11/2012,0/13/2012	Model: DCDA2 LF4AN
Amended: 8/12/2010,	Butterfly Valves or	bypass shut-offs	Revision: 2011	Size: 4"
7/11/2012, 8/15/2012,	Kennedy KS-RW Gate	Sypace char chie	Model: DCDA2 LF4A	Vertical Up/Down w/
7/22/2015	Valves or Apollo Model	Issued: 7/13/2009	Size: 8"	Vitaulic 702 Firelock
	GV gate valve & By-Pass:	Amended: 10/10/2012	Horizontal & Vertical Up	Butterfly Valves or
Revision: 2011	Apollo 77B & 77C Series	-	w/ Vitaulic 702 Firelock	Kennedy KS-RW Gate
Model: DCDA LF4AN	7B-103-31	Revision: 2011	Butterfly Valves or	Valves or Apollo Model
Size: 10"	Issued: 7/13/2009	Model: DCDA2 LF4A	Kennedy KS-RW Gate	GV gate valve & By-Pass:
Orientation: Vertical Up	Amended: 8/12/2010,	Size: 12"	Valves or Apollo Model	Apollo 7B-103-01 & 7B-
- Vertical Down	7/11/2012, 8/15/2012,	Orientation: Horizontal	GV gate valve & By-Pass:	103-31
Vertical Up-Down with	7/22/2015	w/ Victaulic Series 702	Apollo 77B & 77C Series	Issued: 7/13/2009
Victaulic Series 702	Devision 2011	Firelock Butterfly Valves	Issued: 7/13/2009	Amended: 8/12/2010,
Firelock or Kennedy	Revision: 2011	& Kennedy Model KS-	Amended: 8/12/2010,	7/11/2012, 8/15/2012
Model KS-RW main shut-	Model: DCDA LF4AN	RW gate valves & By-	7/11/2012, 8/15/2012	
offs or Apollo Model GV	Size: 6" Vertical Up/Down w/	Pass:Apollo Series 77B & 77C	Revision: 2011	(R)
gate valve and Apollo 77B & 77C Series bypass	Victaulic 702 Firelock	Issued: 7/13/2009	Model: DCDA2 LF4AN	
shut-offs	Butterfly Valves or	Amended: 1/15/2013	Size: 10"	
Shut Ong	Kennedy KS-RW Gate	, inchaca. 1/15/2015	Orientation: Vertical Up	
Issued: 7/13/2009	Valves or Apollo Model	Revision: 2011	- Vertical Down	
Amended: 10/10/2012,	GV gate valve & By-Pass	Model: DCDA2 LF4A	Vertical Up-Down with	
7/22/2015	Apollo 77B & 77C Series	Size: 2 1/2"	Victaulic Series 702	
, ,	Issued: 7/13/2009	Horizontal, Vertical up	Firelock or Kennedy	
	Amended: 8/12/2010,	w/ Victaulic Series 702	Model KS-RW main shut-	
	7/11/2012, 8/15/2012,	Firelock Butterfly Valves	offs or Apollo Model GV	
	7/22/2015	& Kennedy Model KS-	gate valve and Apollo	
		RW gate valves or Apollo	I	
ASSE Seal Authorizations	- January 23, 2019			Page 76

Revision: 2011 Model: DCDA2 LF4AN Size: 6" Vertical Up/Down w/ Victaulic 702 Firelock Butterfly Valves or Kennedy KS-RW Gate Valves or Apollo Model GV gate valve & By-Pass Apollo 77B & 77C Series Issued: 7/13/2009 Amended: 8/12/2010, 7/11/2012, 8/15/2012

Revision: 2011 Model: DCDA2 LF4AN Size: 8" Vertical Up/Down w/ Vitaulic 702 Firelock Butterfly Valves or Kennedy KS-RW Gate Valves or Apollo Model GV gate valve & By-Pass: Apollo 77B & 77C Series Issued: 7/13/2009 Amended: 8/12/2010, 7/11/2012, 8/15/2012

BEECO (division of MIFAB, Inc.) Revision: 2011 Model: DCDA Size: 2 1/2" Horizontal & Vertical orientations. With BEECO ball valve SOV -2-1/2" Issued: 5/11/2017

Revision: 2011 Model: DCDA Size: 3" Horizontal & Vertical orientations. With BEECO ball valve SOV -3" Issued: 5/11/2017

Revision: 2011 Model: DCDA Size: 4" Horizontal & Vertical orientations. With BEECO ball valve SOV -4" Issued: 5/11/2017

FEBCO, a Watts **Regulator Company** Revision: 2011 Model: 856, 856ST Size: 10 inch **Orientation: Horizontal** w/Kennedy KS II or Kennedy flange by groove OS&Y, Watts 405-RW NRS Series, Watts 409 OSY Series, Kennedy Series 7092ABF-OSY ST model replaces C83600 internal component with SS304 Issued: 9/6/2012 Amended: 2/9/2006, 7/14/2017

Revision: 2011 Model: 856, 856ST Size: 2-1/2 inch Orientation: Horizontal -Vertical Up H, VUVU w/Kennedy KS II or Kennedy flange by groove OS&Y, Watts 405-RW NRS Series, Watts 409 OSY Series, **Kennedy Series** 7092ABF-OSY ST model replaces C83600 internal component with SS304 Issued: 9/6/2012 Amended: 2/9/2006, 7/14/2017

Revision: 2011 Model: 856, 856ST Size: 3 inch Orientation: Horizontal -Vertical Up H, VUVU w/Kennedy KS II or Kennedy flange by groove OS&Y, Watts 405-RW NRS Series, Watts 409 OSY Series, **Kennedy Series** 7092ABF-OSY ST model replaces C83600 internal component with SS304 Issued: 9/6/2012 Amended: 2/9/2006, 7/14/2017

Revision: 2011 Model: 856, 856ST Size: 4 inch Orientation: Horizontal -Vertical Up H, VUVU w/Kennedy KS II or Kennedy flange by groove OS&Y, , Watts 405-RW NRS Series, Watts 409 OSY Series, **Kennedy Series** 7092ABF-OSY ST model replaces C83600 internal component with SS304 Issued: 3/24/1992 Amended: 2/9/2006, 7/14/2017

Revision: 2011 Model: 856, 856ST Size: 6 inch Orientation: Horizontal -Vertical Up H, VUVU w/Kennedy KS II or Kennedy flange by groove OS&Y, Watts 405-RW NRS Series, Watts 409 OSY Series, Kennedy Series 7092ABF-OSY ST model replaces C83600 internal component with SS304 Issued: 9/6/2012 Amended: 2/9/2006, 7/14/2017

Revision: 2011 Model: 856, 856ST Size: 8 inch **Orientation: Vertical Up** Vertical Down VUVU, VUVD w/Kennedy KS II or Kennedy flange by groove OS&Y, Watts 405-RW NRS Series, Watts 409 OSY Series, Kennedy Series 7092ABF-OSY ST model replaces C83600 internal component with SS304 Issued: 9/6/2012 Amended: 2/9/2006, 7/14/2017 Revision: 2011 Model: 876V Size: 10 inch Orientation: Horizontal -Vertical Up w/Kennedy KS II or Kennedy flange by groove OS&Y, Watts 405-RW NRS Series, Watts 409 OSY Series, Kennedy Series 7092ABF-OSY Issued: 3/24/1992 Revision: 2011 Model: 876V, 876VST Size: 2-1/2 inch **Orientation: Vertical Up** Vertical Down VUVU, VUVD w/Kennedy KS II or Kennedy flange by groove ÓS&Y, Watts 405-RW NRS Series, Watts 409 OSY Series, **Kennedy Series** 7092ABF-OSY Issued: 3/24/1992 Amended: 7/14/2017 Revision: 2011 Model: 876V, 876VST Size: 3 inch **Orientation: Vertical Up** - Vertical Down VUVU, VUVD w/Kennedy KS II or Kennedy flange by groove OS&Y, Watts 405-RW NRS Series, Watts 409 OSY Series, Kennedy Series 7092ABF-OSY Issued: 3/24/1992 Amended: 7/14/2017 Revision: 2011 Model: 876V, 876VST Size: 4 inch **Orientation: Vertical Up** - Vertical Down VUVU, VUVD. w/Kennedy KS II or Kennedy flange by groove OS&Y, Watts 405-RW NRS Series, Watts 409 OSY Series,

Kennedy Series 7092ABF-OSY Issued: 3/24/1992 Amended: 7/14/2017 Revision: 2011 Model: 876V, 876VST Size: 6 inch Orientation: Vertical Up - Vertical Down VUVU, VUVD. w/Kennedy KS II or Kennedy flange by groove OS&Y, Watts 405-RW NRS Series,

Watts 409 OSY Series,

Amended: 7/14/2017

Model: 876V, 876VST

Orientation: Horizontal -

Kennedy Series 7092ABF-OSY

Revision: 2011

Size: 8 inch

Vertical Up

VUVU, VUVD

w/Kennedy KS II or

Kennedy flange by

groove OS&Y, Watts

Watts 409 OSY Series,

Amended: 7/14/2017

Orientation: Horizontal -

H, VUVU w/Kennedy KS

II or Kennedy flange by groove OS&Y , Watts 405-RW NRS Series,

Watts 409 OSY Series,

Kennedy Series 7092ABF-OSY.

Revision: 2011

Model: LF856

Vertical Up

Size: 2-1/2 inch

Orientation: Horizontal -

H, VUVU. w/Kennedy

KS II or Kennedy flange

by groove OS&Y, Watts

405-RW NRS Series,

Kennedy Series 7092ABF-OSY.

Issued: 2/3/2017

Revision: 2011

Model: LF856

Size: 3 inch

Vertical Up

Watts 409 OSY Series,

Amended: 7/14/2017

Orientation: Horizontal -

H, VUVU. w/Kennedy

KS II or Kennedy flange

by groove OS&Y, Watts

405-RW NRS Series,

Watts 409 OSY Series,

Issued: 3/24/1992 Amended: 7/14/2017

405-RW NRS Series,

Kennedy Series

Revision: 2011 Model: LF856

Size: 10 inch

Vertical Up

Issued: 3/24/1992

7092ABF-OSY

Issued: 3/24/1992

Kennedy Series 7092ABF-OSY. Issued: 2/3/2017 Amended: 7/14/2017 Revision: 2011 Model: LF856

Size: 4 inch Orientation: Horizontal -Vertical Up H, VUVU. w/Kennedy KS II or Kennedy flange by groove OS&Y , Watts 405-RW NRS Series, Watts 409 OSY Series, Kennedy Series 7092ABF-OSY. Issued: 2/3/2017 Amended: 7/14/2017

Revision: 2011 Model: LF856 Size: 6 inch Orientation: Horizontal -Vertical Up H, VUVU. w/Kennedy KS II or Kennedy flange by groove OS&Y , Watts 405-RW NRS Series, Watts 409 OSY Series, Kennedy Series 7092ABF-OSY. Issued: 2/3/2017 Amended: 7/14/2017

Revision: 2011 Model: LF856 Size: 8 inch Orientation: Horizontal -Vertical Up H, VUVU. w/Kennedy KS II or Kennedy flange by groove OS&Y , Watts 405-RW NRS Series, Watts 409 OSY Series, Kennedy Series 7092ABF-OSY. Issued: 2/3/2017 Amended: 7/14/2017

Revision: 2011 Model: LF876 Size: 10 inch Orientation: Vertical Up - Vertical Down VUVU and VUVD. w/Kennedy KS II or Kennedy flange by groove OS&Y , Watts 405-RW NRS Series, Watts 409 OSY Series, Kennedy Series 7092ABF-OSY. Issued: 3/24/1992

Revision: 2011 Model: LF876V Size: 2.5 inch Orientation: Vertical Up - Vertical Down VUVU and VUVD. w/Kennedy KS II or Kennedy flange by groove OS&Y, Watts 405-RW NRS Series, Watts 409 OSY Series,

ASSE Seal Authorizations - January 23, 2019

Page 77

Kennedy Series 7092ABF-OSY. Issued: 3/24/1992 Revision: 2011 Model: LF876V Size: 3 inch Orientation: Vertical Up - Vertical Down VUVU and VUVD.

w/Kennedy KS II or Kennedy flange by groove OS&Y, Watts 405-RW NRS Series, Watts 409 OSY Series, **Kennedy Series** 7092ABF-OSY Issued: 3/24/1992

Revision: 2011 Model: LF876V Size: 4 inch **Orientation: Vertical Up** Vertical Down VUVU and VUVD. w/Kennedy KS II or Kennedy flange by groove OS&Y , Watts 405-RW NRS Series, Watts 409 OSY Series, Kennedy Series 7092ABF-OSY. Issued: 3/24/1992

Revision: 2011 Model: LF876V Size: 6 inch Orientation: Vertical Up Vertical Down VUVU and VUVD w/Kennedy KS II or Kennedy flange by groove OS&Y, Watts 405-RW NRS Series, Watts 409 OSY Series, Kennedy Series 7092ABF-OSY. Issued: 3/24/1992

Revision: 2011 Model: LF876V Size: 8 inch **Orientation: Vertical Up** Vertical Down VUVU and VUVD. w/Kennedy KS II or Kennedy flange by groove OS&Y, Watts 405-RW NRS Series, Watts 409 OSY Series, Kennedy Series 7092ABF-OSY. Issued: 3/24/1992

Watts Regulator Company Revision: 2011 Model: (LF) 007DCDA-FP PC) (PC), (LF) 007M1DCDA-FP (PC) Size: 2" Orientation: Horizontal w/Watts FBV-FP(-E) 007M1DCDA is similar to 007DCDA except for modified bypass configuration Issued: 10/27/2009 Amended: 9/6/2012 Revision: 2011 Model: (LF) 007DCDA-FP (SR), (LF) 007M1DCDA-FP (SR) Size: 2" **Orientation: Vertical Up** w/ Watts FBV-FP(-E) Change bypass connection method 007M1DCDA is similar to 007DCDA except for modified bypass configuration Issued: 10/27/2009 Amended: 9/6/2012 Revision: 2011 Model: 007DCDA (LF) Size: 2 1/2 inch Orientation: Horizontal w/ Watts 405 RW, Watts 408-OSY, Clow R/W F6136-OSY, American Flow Control (Waterous) Seris 500 NRS & OSY, Kennedy Ken Seal II NRS & OSY, Stockham G-610-OSY, Clow 102-NRS Watts Regulator 409 RW OS & Y Change bypass connection method Issued: 2/26/1998 Amended: 2/21/2006, 9/9/2009, 9/6/2012 Revision: 2011 Model: 007DCDA (LF) Size: 3 inch **Orientation: Horizontal** w/ Watts 405 RW, Watts 408-OSY, Clow R/W F6136-OSY, American Flow Control (Waterous) Seris 500 NRS & OSY Kennedy Ken Seal II NRS & OSY, Stockham G-610-OSY, Clow 102-NRS Watts Regulator 409 RW OS &Y Change bypass connection method Issued: 2/26/1998 Amended: 2/21/2006, 9/9/2009, 9/6/2012

Revision: 2011 Model: 007DCDA (LF, PC), 007M1DCDA (LF, Size: 2 inch **Orientation: Horizontal** w/ American Flow (94-R) OS & Y, Watts Regulator RW OS&Y 007M1DCDA is similar to 007DCDA except for modified bypass configuration Issued: 2/26/1998 Amended: 2/21/2006, 9/6/2012 Revision: 2011 Model: 007DCDA (LF, SR), 007M1DCDA Size: 2 inch Orientation: Vertical Up w/Sensus Model II 5/8 x 3/4 inch, Watts Regulator 409 RW OS & Change bypass connection method 007M1DCDA is similar to 007DCDA except for modified bypass configuration Issued: 2/26/1998 Amended: 2/21/2006, 9/6/2012 Revision: 2011 Model: 709DCDA (LF) 709 DCDA (SR) Size: 10 inch Orientation: Horizontal -Vertical Up w/Watts 405RW, Watts40, Clow R/W F6102-NRS, Clow R/W F6136-OSY, American Flow Control (Waterous) Series 500 NRS & OS&Y, Kennedy Ken Seal II NRS & OSY, Stockham G-610-OSY, Watts Regulator 409 RW OS& Y - Rubber gaskets used to seal the flange joints Issued: 1/6/1998 Amended: 2/21/2006, 11/1/2006

Revision: 2011 Model: 709DCDA (LF) 709 DCDA (SR) Size: 3 inch Orientation: Horizontal -Vertical Up w/ Watts 405RW Watts40, Clow R/W F6102-NRS, Clow R/W F6136-OSY, American Flow Control (Waterous) Series 500 NRS & OS&Y, Kennedy Ken Seal II NRS & OSY, Stockham G-610-OSY, Watts Regulator 409 RW OS& Y - Rubber gaskets used to seal the flange joints Issued: 1/6/1998 Amended: 2/21/2006, 11/1/2006 Revision: 2011 Model: 709DCDA (LF) 709 DCDA (SR) Size: 4 inch Orientation: Horizontal -Vertical Up w/ Watts 405RW Watts40, Clow R/W F6102-NRS, Clow R/W F6136-OSY, American Flow Control (Waterous) Series 500 NRS & OS&Y, Kennedy Ken Seal II NRS & OSY, Stockham G-610-OSY, Watts Regulator 409 RW OS& Y - Rubber gaskets used to seal the flange joints Issued: 1/6/1998 Amended: 2/21/2006, 11/1/2006 Revision: 2011 Model: 709DCDA (LF) 709 DCDA (SR) Size: 6 inch Orientation: Horizontal -Vertical Up w/ Watts 405RW Watts40, Clow R/W F6102-NRS, Clow R/W F6136-OSY, American Flow Control (Waterous) Series 500 NRS & OS&Y, Kennedy Ken Seal II NRS & OSY, Stockham G-610-OSY, Watts Regulator 409 RW OS& Y - Rubber gaskets used to seal the flange joints Issued: 1/6/1998 Amended: 2/21/2006, 11/1/2006 Revision: 2011 Model: 709DCDA (LF) 709 DCDA (SR) Size: 8 inch Orientation: Horizontal -

Vertical Up w/ Watts 405RW

Watts40, Clow R/W

F6102-NRS, Clow R/W F6136-OSY, American

Series 500 NRS & OS&Y, Kennedy Ken Seal II NRS & OSY, Stockham G-610-OSY, Watts Regulator 409 RW OS& Y - Rubber gaskets used to seal the flange joints Issued: 1/6/1998 Amended: 2/21/2006, 11/1/2006 Revision: 2011 Model: 757aDCDA (LF) 757aDCDA & 757NaDCDA "N" & (LF) 757NaDCDA "N" Size: 2-1/2 inch **Orientation: Horizontal** w/Clow F6104/05/37/38/36/02, Kennedy 7592/93/61 & 7092/93/68, Union GV 12, Victaulic Series 702, Hunter Series BFV, Watts Regulator 409 RW OS & Issued: 7/15/2002 Amended: 10/1/2002, 7/13/2012 Revision: 2011 Model: 757aDCDA (LF) 757aDCDA & 757NaDCDA "N" & (LF) 757NaDCDA "N" Size: 3 inch Orientation: Horizontal w/ Clow F6104/05/37/38/36/02, Kennedy 7592/93/61 & 7092/93/68, Union GV 12, Victaulic Series 702, Hunter Series BFV, Watts Regulator 409 RW OS & Issued: 7/15/2002 Amended: 10/1/2002, 7/13/2012 Revision: 2011 Model: 757aDCDA (LF) 757aDCDA & 757NaDCDA "N" & (LF) 757NaDCDA "N" Size: 4 inch Orientation: Horizontal w/Clow F6104/05/37/38/36/02, Kennedy 7592/93/61 & 7092/93/68, Union GV 12, Victaulic Series 702 Hunter Series BFV, Watts Regulator 409 RW OS & Issued: 7/15/2002 Amended: 10/1/2002, 7/13/2012 Revision: 2011 Model: 757aDCDA (LF) 757aDCDA & 757NaDCDA "N" & (LF) 757NaDCDA "N" Size: 6 inch **Orientation: Horizontal** w/Clow Flow Control (Waterous) F6104/05/37/38/36/02,

Page 78

Kennedy 7592/93/61 & 7092/93/68, Union GV 12, Victaulic Series 702, Hunter Series BFV, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 7/13/2012 Revision: 2011 Model: 757DCDA, (LF) 757DCDA & 757N DCDA "Z", (LF) 757N DCDA "Z" Size: 10 inch Orientation: Horizontal- Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 7592/93/61 & 7092/93/68, Union GV 12, Victaulic Series 702, Hunter Series BFV, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 7/13/2012 Revision: 2011 Model: 757DCDA, (LF) 757DCDA & 757N DCDA "Z", (LF) 757N DCDA "Z" Size: 2-1/2 inch Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 7592/93/61 & 7092/93/68, Union GV 12, victaulic Series 702, Hunter Series BFV, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 7/13/2012 Revision: 2011 Model: 757DCDA, (LF) 757DCDA & 757N DCDA "Z" Size: 3 inch Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 7592/93/61 & 7092/93/68, Union GV 12, victaulic Series 702, Hunter Series BFV, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 7/13/2012 Revision: 2011 Model: 757DCDA, (LF) 757DCDA & 757N DCDA "Z" Size: 3 inch Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 7592/93/61 & 7092/93/68, Union GV 12, victaulic Series 702, Hunter Series BFV, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 7/13/2012 Revision: 2011 Model: 757N DCDA "Z" Size: 3 inch Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 7592/93/61 & 7092/93/68, Union GV 12, victaulic Series 702, Hunter Series BFV, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 7/13/2012 Revision: 2011 Model: 757N DCDA "Z" Size: 4 inch Orientation: Horizontal -	7092/93/68, Union GV 12, victaulic Series 702, Hunter Series BFV, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 7/13/2012 Revision: 2011 Model: 757DCDA & 757N DCDA "Z" Size: 6 inch Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 7592/93/61 & 7092/93/68, Union GV 12, Victaulic Series 702, Hunter Series BFV, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 7/13/2012 Revision: 2011 Model: 757DCDA, (LF) 757DCDA & 757N DCDA "Z" Size: 8 inch Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 7592/93/61 & 7092/93/68, Union GV 12, Victaulic Series 702, Hunter Series BFV, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 7/13/2012 Revision: 2011 Model: 767aDCDA, (LF) 767aDCDA & 767NaDCDA "N", (LF) 767NaDCDA "N" Size: 2-1/2 inch Orientation: Horizontal - Vertical Up w/Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 7/13/2012	Revision: 2011 Model: 767aDCDA, (LF) 767aDCDA & 767NaDCDA "N" Size: 3 inch Orientation: Horizontal w/Clow F6104/05/37/38/36/02, Kennedy 7592/93/61 & 7092/93/68, Union GV 12, Victaulic Series 702, Hunter Series BFV, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 7/13/2012 Revision: 2011 Model: 767aDCDA, (LF) 767aDCDA & 767NaDCDA "N", (LF) 767NaDCDA "N" Size: 4 inch Orientation: Horizontal - Vertical Up w/Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 7/13/2012 Revision: 2011 Model: 767DCDA, (LF) 767DCDA & 767N DCDA "N", (LF) 767N DCDA "N", (LF) 767N DCDA "N" Size: 10 inch Orientation: Horizontal w/Clow F6104/05/37/38/36/02, Kennedy 7592/93/61 & 7092/93/68, Union GV 12, Victaulic Series 702, Hunter Series BFV, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 7/13/2012 Revision: 2011 Model: 767DCDA, (LF) 767DCDA & 767N DCDA "N" Size: 2-1/2 inch Orientation: Horizontal w/Clow F6104/05/37/38/36/02, Kennedy 7592/93/61 & 7092/93/68, Union GV 12, victaulic Series 702, Hunter Series BFV, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 7/13/2012	Revision: 2011 Model: 767DCDA, (LF) 767DCDA & 767N DCDA "N" Size: 3 inch Orientation: Horizontal w/Clow F6104/05/37/38/36/02, Kennedy 7592/93/61 & 7092/93/68, Union GV 12, victaulic Series 702, Hunter Series BFV, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 7/13/2012 Revision: 2011 Model: 767DCDA, (LF) 767DCDA & 767N DCDA "N" Size: 4 inch Orientation: Horizontal w/Clow F6104/05/37/38/36/02, Kennedy 7592/93/61 & 7092/93/68, Union GV 12, Victaulic Series 702, Hunter Series BFV, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 7/13/2012 Revision: 2011 Model: 767DCDA, (LF) 767DCDA & 767N DCDA "N" Size: 6 inch Orientation: Horizontal w/Clow F6104/05/37/38/36/02, Kennedy 7592/93/61 & 7092/93/68, Union GV 12, Victaulic Series 702, Hunter Series BFV, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 7/13/2012 Revision: 2011 Model: 767DCDA, (LF) 767DCDA & 767N DCDA "N" Size: 6 inch Orientation: Horizontal w/Clow F6104/05/37/38/36/02, Kennedy 7592/93/61 & 7092/93/68, Union GV 12, Victaulic Series 702, Hunter Series BFV, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 7/13/2012 Revision: 2011 Model: 767N DCDA "N" Size: 8 Inch Orientation: Horizontal w/Clow F6104/05/37/38/36/02, Kennedy 7592/93/61 & 7092/93/68, Union GV 12, Victaulic Series 702, Hunter Series BFV, Watts Regulator 409 RW OS & Y Issued: 7/15/2002 Amended: 10/1/2002, 7/13/2012	Revision: 2011 Model: 774DCDA; (LF)774DCDA(SR) Size: 10 inch Orientation: Horizontal - Vertical Down & Vertical Up w/Watts 007M2-QT, Watts Regulator 409 RW OS & Y, Watts 405, Kennedy KW and RW Issued: 8/1/1997 Amended: 7/1/2002 Revision: 2011 Model: 774DCDA; (LF)774DCDA(SR) Size: 12 inch Orientation: Horizontal - Vertical Down & Vertical Up w/Watts 007M2-QT, Watts Regulator 409 RW OS & Y, Watts 405, Kennedy KW and RW Issued: 8/1/1997 Amended: 7/1/2002 Revision: 2011 Model: 774DCDA; (LF)774DCDA(SR) Size: 2-1/2 inch Orientation: Horizontal - Vertical Up w/Waterous R/W OSY, Watts 007M2-QT, Watts Regulator 409 RW OS & Y, Watts 405, Kennedy KW and RW Issued: 8/1/1997 Amended: 5/19/2016 Revision: 2011 Model: 774DCDA; (LF)774DCDA(SR) Size: 3 inch Orientation: Horizontal - Vertical Up w/Waterous R/W OSY, Watts 007M2-QT, Watts Regulator 409 RW OS & Y, Watts 405, Kennedy KW and RW Issued: 8/1/1997 Amended: 5/19/2016 Revision: 2011 Model: 774DCDA; (LF)774DCDA(SR) Size: 3 inch Orientation: Horizontal - Vertical Up w/Waterous R/W OSY, Watts 007M2-QT, Watts Regulator 409 RW OS & Y, Watts 405, Kennedy KW and RW Issued: 8/1/1997 Amended: 5/19/2016 Revision: 2011 Model: 774DCDA; (LF)774DCDA(SR) Size: 4 inch Orientation: Horizontal - Vertical Up w/Waterous R/W OSY, Watts 405, Kennedy KW and RW Issued: 8/1/1997 Amended: 5/19/2016
Size: 4 inch Orientation: Horizontal - Vertical Up w/Clow F6104/05/37/38/36/02, Kennedy 7592/93/61 &	lanuary 23, 2019			Dage 70
ASSE Seal Authorizations -	· Janualy 23, 2019			Page 79

Revision: 2011 DE33/39/40 & Revision: 2011 Deater First State Badger 3/4" \$ 5/8" Revision: 2015 Stree 6 in in CM Model: 12/12/2012 Stree 6 in in CM Model: 12/12/2012 Stree 6 in in CM Model: 12/12/2012 Stree 6 in in CM Model: 12/12/2012 Stree 6 in in CM Model: 12/12/2012 Commode: 11/12/2012, Model: 12/12/2012 Stree 6 in in CM Model: 12/12/2012 Commode: 11/12/2012, Model: 12/12/2012, Model: 12/12/2012, Stree 6 in CM Model: 12/12/2012, Model: 12/12/2012, Stree 6 in CM Witkins model: 11/12/2012, Model: 12/12/2012, Stree 6 in CM Witkins model: 11/12/2012, Stree 6 in CM Witkins Model: 22/12/2014 Commodel: 11/12/2012, Stree 6 in CM Witkins AB gate Witkins AB gate Witkins AB gate Witkins AB gate Witkins AB gate Witkins AB gate Vitkin					
(LF)7740CDA(SR) Issued: 5/7/2011 Z53/3/9/40/8 & prass of Wilkins model \$20 Sisued: 5/7/2011		2638/39/40 & Bypass of			
Size: 6:inch Amended: 1/16/2012, Wirkins: Model: 350ASTDAR Revision: 2011 Amended: 1/16/2012, Wirkins: Model: 350ASTDAR Revision: 2011 Amended: 1/16/2012, Wirkins: Model: 350ASTDAR Vertical Up Als: 2012 Vertical Up Als: 20					
Orientation: Horizontal Perultat Up Warts 007W2-07, Warts Border, 2742 8/15/2012 Issuet: 5/5/2011 Amended: 1/16/2012, 9/15/2012 Revision: 2011 Amended: 1/16/2012, 9/15/2012 Revision: 2011 Amended: 1/16/2012, 9/15/2012 Victual Le Model 702 Victual Le Model 702 Victual Le Model: 30057DA Size: 5/7/2011 Victual Le Model 702 Victual Le Model 702 Victual Le Model 702 Victual Le Model 702 Y. Warts 405, Kennedy V. Warts 405, Kennedy V. Warts 100 Vertical Up Vertical				Issued: 5/5/2011	
Vertical Up Wilking Valer (Waste 005, Vertical Up Wilking Model Store 2: 1/2" Amended: 1/16/2012, S1/5/2012 Model: 350ASTDAR Store 2: 1/2" Wilking Model 302, S1/5/2012 Wilking Model 302, S1/5/2012 Wilking Model 302, S1/5/2011 Wilking Model 302, Store 2: 1/2" Wilking Model 302, Store 2: 1/2" Wilking Model 302, Store 2: 1/2" Wilking Model 302, Store 2: 1/2" Wilking Model 302, Store 2: 1/2" Wilking Model 302, Store 2: 1/2" Wilking Model 302, Store 2: 1/2" Wilking Model 302, Store 2: 1/2" Wilking Model 302, Store 3: 1/2"					
w/Waterous R/W OSY, Wates UOPX 201 values (w/Wates UOPX 201 values) (w/Wates		8/15/2012			
Watts 007/M2-017, Watts Regulator 409, WH OS & State: 21/2* Model: 350ASTDA Figure 21/2* Orientation: Horizontal Vertical Up				Model: 350ASTDAR	
Regulator 409 RW 05.8 Size: 21/2" Persion: 2011 Vertical Up Vertical U			8/15/2012		
Y. Wats 405, Kennedy, Warde XW, and KW, and KW, and KW, and KW, and KW, and KW, and KW, and KW, and KW, and KW, and All					
KW and RW _ issued: 3/1/1997 Vertical Up _ ver					
Issued: 8/1/1997 w// Wilkins Model 48, Wilkins 48 gate orientation: Horizontal Wilkins 48 gate butterfly values, Victualic 202, Clew model 202, Clew model T/22/2013 Model: 72000 Yints 48 gate Vertical Up Vertical Up Size 3: All 48, Bryasso Model: 72000 Yints 48, Size 3: All 48, Bryasso Size 3: All 48, Bryasso Size 3: All 48, Bryasso Model: 72000 Yints 48, Size 3: All 48, Bryasso Size 3: All 48, Bryasso Size 3: All 48, Bryasso Withins Model 48, Converted 49, Size 3: All 48, Bryasso Model: 75, 2011 Size 3: All 48, Bryasso Withins Model 48, Converted 41, Size 3: All 48, Size			NIODEI: 350ASTDAR		
Amended: \$/19/2016 Clow Model 2639, Wertical Up Vertical Up 702, Clow model 2638/39/40.8 Bypass of Vertical Up 702, Clow Model 2639, Vertical Up 702, Clow Model 2639, Vertical Up 702, Clow Model 2639, Vertical Up 702, Clow Model 2649, Vertical Up 702, Clow Model 2639, Vertical Up 702, Clow Model 2639, Ver			Size: 10"		
 Revision: 2011 Model: 7740CDA; (1)7740CDA(S)					
Revision: 2011 Model: 774/DCDA; (LF)774/DCDA(SR) Bypass of Ningbo Ball Model: 75/2011 Valves, Wilkins 49 Model: 75/2011 Wilkins model 850 Size: 31 Model: 75/2011 Perison: 2011 Model: 75/2011 Revision: 2011 Model: 75/2011 Revision: 2011 Model: 75/2011 Revision: 2011 Model: 75/2011 Revision: 2011 Model: 75/2011 Revision: 2011 Model: 75/2011 Revision: 2011 Model: 75/2011 Revision: 2011 Model: 75/2011 Revision: 2011 Model: 75/2011 Revision: 2011 Model: 75/2011 Revision: 2011 Model: 75/2011 Revision: 2011 Model: 75/2011 Revision: 2011 Model: 77/4X-DCDA; Victaulic Model 702, Bypass of Ningbo Ball Model: 25/2011 Revision: 2011 Model: 77/4X-DCDA; Victaulic Model 702, Bypass of Ningbo Ball Model: 25/2011 Revision: 2011 Model: 77/4X-DCDA; Victaulic Model 702, Bypass of Ningbo Ball Model: 25/2011 Revision: 2011 Model: 77/4X-DCDA; Victaulic Model 702, Bypass of Ningbo Ball Victaulic Model 702, Bypass of Ningbo Ball Victaulic Model 702, Victaulic Model 702, Bypass of Ningbo Ball Victaulic Model 702, Victaulic Model 702, Bypass of Ningbo Ball Victaulic	Amended: 5/19/2016		Vertical Up		//22/2015
Model: 7740CDA; (F)7740CDA; Size: 8 inch Orientation: Morizontal- Badger 3/4" x 5/8" Warts 007A2-07, Wats evertical Up, WWarterous R/W OSY, Maended: 8/15/2012 Model: 250A350AR Size: 210" Model: 250A350A Size: 210" Model: 250A350A Size: 210" Model: 250A350A Size: 210" Model: 250A350A Size: 210" Model: 250A350A Size: 210" Model: 250A350A Size: 211 Model: 250A350A Size: 211 Model: 250A350A Size: 211 Model: 250A350A Size: 211 Model: 250A350A Size: 211 Size: 210" Model: 250A350A Size: 211 Model: 250A350A Size: 211 Size: 210" Model: 250A350A Size: 211 Size: 210" Model: 250A350A Size: 211 Size: 210" Model: 250A350A Size: 211 Size: 210" Model: 250A350A Size: 211 Size: 210" Model: 250A350A Size: 211 Size: 210" Model: 250A350A	Devision, 2011				Devision, 2005
(LF)7742CDA(SR) 3/4" and Meter of model space 1/4" S / SP Size: 3" Size: 4" Size: 4" Orientation: Horizontal - Vertical Up within smodel space 1/4" Space 1/4" Size: 4" Size: 4" Orientation: Horizontal - Vertical Up within smodel space 1/4" Space 1/4" Size: 4" Orientation: Horizontal - Vertical Up within smodel space 1/4" Size: 4" Orientation: Horizontal - Vertical Up within smodel space 1/4" Size: 4" Orientation: Horizontal - Vertical Up within smodel space 1/4" Orientation: Horizontal - Vertical Up within smodel space 1/4" Orientation: Horizontal - Vertical Up within smodel space 1/4" Orientation: Horizontal - Vertical Up within smodel space 1/4" Orientation: Horizontal - Vertical Up within smodel space 1/4" Orientation: Horizontal - Vertical Up within smodel space 1/4" Orientation: Horizontal - Vertical Up within smodel space 1/4" Orientation: Horizontal - Vertical Up within smodel space 1/4" Orientation: Horizontal - Vertical Up within smodel space 1/4" Orientation: Horizontal - Vertical Up model space 1/4" Orientation: Horizontal - Vertical Up model space 1/4" Nodel : South space 1/4" Nodel : South space 1/4" Nodel : South space 1/4" Nodel : South space 1/4" Nodel : South space 1/4" Nodel : South space 1/4" Nodel : South space 1/4" Nodel : South space 1/4" Nodel : South space 1/4" Nodel : South space 1/4" Nodel : South space 1/4" Nodel : South space 1/4" Nodel : South space 1/4" Nodel : South space 1/4" <td< td=""><td></td><td></td><td></td><td></td><td></td></td<>					
 Size: 3: Inch Dietatation: Korizontal- Vertical Down Vertical Up, WO OSY, Wats 4005, Kennedy & S1/5/2012 Kewison: 2011 Model: 25/2011 Size: 3: Context 405, Kennedy & S1/5/2012 Model: 25/2011 Size: 3: Context 405, Kennedy & S1/5/2012 Model: 25/2011 Size: 3: Context 405, Kennedy & S1/5/2012 Model: 25/2011 Size: 3: Context 405, Kennedy & S1/5/2012 Model: 25/2011 Size: 3: Context 405, Kennedy & S1/5/2012 Model: 25/2011 Size: 4: Context 402, Size: 3: Context 405, Size: 4: Context 402, Size: 4: Context 402, Size: 4: Context 402, Size: 4: Context 402, Size: 4: Context 402, Size: 4: Context 402, Size: 4: Context 402, Size: 4: Context 402, Size: 4: Context 402, Size: 4: Context 402, Size: 4: Context 402, Size: 4: Context 404, Size: 5: Context 404, Size: 5: Co				ISSUEU. 5/5/2011	
Orientation: Horizontal - Wartical Up, Wartical				Povision: 2011	
Vertical Down W/Waterous R/W OSY, Regulator 409 RW OS, Revision: 2011 Issued: 5/5/2011 Issued: 5/5/2011 V/Victaulic Model 702, Size: 2-1/2" W/Victaulic Model 702, Victaulic Model 2639, Victaulic Model 263, Victaulic Model 264, Victaulic Model 264,					
& Vertical Up, Witate cons R/W OSY, Warts 007/W2-07, Wa					
w/Waterous R/W GSY, Regulator 409 RW OS, Regulator 409 RW OS, Size: 37 Persion: 2011 Model: 350ASTDA Size: 2-1/2" Revision: 2011 Persion: 2011 Crientation: Horizontal Willing Model 48, Size: 37 Orientation: Vertical Up Vertical Up Willing Model 48, Size: 37 Values or Åpollo Model Size: 37 Values or Åpollo Model Size: 37 Values or Åpollo Model Size: 37 Revision: 2011 Model: 774X-DCDAS Vertical Up Vertical U			135020. 5/ 5/ 2011		
Watts 007M2-0T, Watts Regulator 409 RW 05 & Y. Watts 405, Kennedy Revision: 2011 Model: 350ASTDA Size: 3" - Vertical Dum Size: 41/15/2001 GV gate value Assembly Watts 405, Kennedy Size: 3" - Vertical Up Writical Up Writical Up Writical Up Writical Up Writical Up Writical Up Model: 350ASTDA Size: 3" - Vertical Dum Writical Vertical Up Writical Up Writical Up Writical Up - Vertical Dum Writical Vertical Up Writical Up GV gate value Size: 41/12/2011 Revision: 2011 Writical KM Model 43, Watts 405, Kennedy KJ Model: 74X-VCDA; Writical KM Model 4702, Writical Up Writical Up Model: 74X-VCDA; Writical Up Writical Up GV gate value Size: 41/12/2011 GV gate value Size: 41/12/2011 Yertical Down Kepulator MW OS & Writical Up Writical Up Model: 74X-VCDA; Wodel: 75/2011 Model: 74X-VCDA; Writical Up Model: 74X-VCDA; Writical Up Model: 74X-VCDA; Writical Up Model: 74X-VCDA; Writical Up Model: 74X-VCDA; Writical Up Model: 74X-VCDA; Writical Up Model: 74X-VCDA; Writical Up Model: 74X-VCDA; Writical Up Model: 74X-VCDA; Writical Up Model: 74X-VCDA; Writical Up Model: 74X-VCDA; Writical Up Model: 74X-VCDA; Writical Up Model: 74X-VCDA; Writical Up Model: 74X-VCDA; Writical Up Model: 74X-VCDA; Writical Up Model: 74X-VCDA; Writical Up Model: 74X-VCDA; Writical Up Model: 74X-VCDA; Writical Up Model: 74X-VCDA; Writical Writic		Amended: 0/15/2012	Revision: 2011		
Begulator 409 RW 05 & Wodel: 350ASTDA Size: 3" Size: 1/12/201 Double Check Detector Amended: 4/17/2007 Issued: 1/15/2001 KW and RW Sused: S/1/1997 Crientation: Horizontal- Vertical Up Vilkins Model 48, Clow Model 2639, Victaulic Model 702, Bypass of Ningbo Ball Model: 253, Victaulic Model 702, Bypass of Ningbo Ball Model: 25/2011 Double Check Detector Amended: 4/25/2018 Revision: 2011 Model: 250STDA / Model: 250STDA / Size: 4" Revision: 2011 Model: 250STD		Revision: 2011			
Y. Watts 405, Kennedde J. Size: 3" Orientation: Horizontal- Issued: 8/1/1997 Amended: 7/12002 Amended: 7/12/2001					
KW and RW Issued: \$/1/1997 Amended: 7/1/2002Orientation: Horizontal - Vertical Up Wilkins Model 48, Clow Model 2639, Wickins Model 702, Bypass of Ningbo Ball Vertical Up w/ Walts Bypass of Ningbo Ball Vertical Up w/ Walts Revision: 2011 Amended: \$/15/2011 Amended: \$/25/2011 Amended: \$/2011 Amended: \$/25/2011 Amended: \$/2011 Amended: \$/2		Size: 3"			
Issued:Vertical Up (Wilkins Model 48, Clow Model 2639, Victaulic Model 702, Bypass of Ningbo Ball Wickins Model 4702, Bypass of Ningbo Ball Wickins Model 4702, Bypass of Ningbo Ball Wickins Model 4702, Bypass of Ningbo Ball Walves (Wilkins 855-0T)- Size: 3-1/2 Inch Wodel: 25, Size: 4-12 Down Regulator 409 RW 05& Partical Up w/ Walts Regulator 409 RW 05& Partical Up w/ Walts Revision: 2011Vertical Up Wodel: 74, 75/8° Model: 25, Size: 4-12Model 4702, Badger 3/4" x 5/8° Model 25, Size: 4-12Amended: 4/25/2018Revision: 2005 Model: 702 Vertical Up w/ Walts Revision: 2011Sueed: 5/19/2016 Revision: 2011Revision: 2011 Model: 350ASTDA Vertical Up w/ Wilkins Model 48, Uratulic Model 702, Wodel: 350ASTDA Vertical Up w/ Wilkins Model 4702 Revision: 2011Revision: 2011 Model: 350ASTDA Wilkins Model 48, Uratulic Model 702, Wilkins Model 48, Vertical Up w/ Wilkins Model 4702, Revision: 2011Revision: 2011 Revision: 2011 Model: 350ASTDA / Size: 6" Orientation: Horizontal- Vertical Up w/ Wilkins Model 48, Uratulic Model 702, Revision: 2011Revision: 2011 R				Issued: 5/5/2011	
Amended: 7/1/2002w/ Wilkins Model 48.3Clow Model 2639.Revision: 2011 <td></td> <td></td> <td></td> <td></td> <td></td>					
Revision: 2011 Model: 774X-DCDA(SR) Model: 774X-DCDA(SR) Size: 21/2 Inch Orientation: Horizontal Vertical Down & Vertical Up Vertical Up Vertical Down & Vertical Up Verti				Amenaca: 4/25/2010	172272013
Revision: 2011 Model: 774×DCDA/SN Size: 41°Victaulic Model 702, Waves (Wikins 855-CT)- 3/4° and Meter of Badger 3/4° x 5/8°Model: 50SDDA / 4SOSTDAModel: CDAASG Size: 4°Vertical Down Vertical Down Wortcal Down Wortcal Down Wortcal Down Wodel: 5/19/2016Views (Wikins 855-CT)- Badger 3/4° x 5/8°Model: 25 Size: 4°Model: 25 Nodel: 25/2011Nodel: 25 Nodel: 350STDA / Size: 4°Model: 26 Nodel: 25Size: 4°Revision: 2011 Model: 350ASTDARevision: 2011 Model: 350ASTDARevision: 2011 Model: 350ASTDARevision: 2011 Model: 350ASTDA / Size: 4°Revision: 2011 Model: 350ASTDA / Size: 4°Revision: 2011 Model: 350ASTDA / Size: 4°Revision: 2011 Model: 350ASTDA / Size: 4°Revision: 2011 Model: 350ASTDA / Size: 4°Revision: 2011 Model: 350ASTDA / Size: 4°Revision: 2011 Model: 350ASTDA / Size: 4°Revision: 2011 Model: 350ASTDA / Size: 4°Revision: 2011 Model: 350ASTDA / Size: 4°Revision: 2011 Model: 350ASTDA / Size: 6° Orientation: Horizontal - Vertical Up Wikins Model 263 Size: 6°Revision: 2011 Model: 350ASTDA / Size: 6°Revision: 2011 Model: 350ASTDA / Size: 6° Orientation: Horizontal - Vertical Up Wikins Model 263 Size: 6°Revision: 2011 Model: 350ASTDA / Size: 6°Revision: 2011 Model: 350ASTDA / Size: 6°Model: 25 Size: 6° Orientation: Horizontal - Vertical Up Wikins Model 263 Size: 6°Model: 25 Size: 6° Orientation: Horizontal - Vertical Up Wikins Model 263 Size: 6°Model: 25 Size: 6°Model: 25 Size: 6° Orientation: Horizontal - Vertical Up Wikins Model 263 <b< td=""><td>/</td><td></td><td></td><td>Revision: 2011</td><td>Revision: 2005</td></b<>	/			Revision: 2011	Revision: 2005
Model: 774X-DCDA(SR)Stre: 4"Stre: 4"(L/)774X-DCDA(SR)Stre: 4"Stre: 4"Orientation: HorizontalValves (Wilkins 855-CI)-3/4" and Meter ofBadger 3/4" x 5/8"Orientation: HorizontalVertical Up w/ WatsStre: 4"Orientation: HorizontalVertical UpKvertical Up w/ WatsStre: 4"Orientation: HorizontalModel: 55/2011Amended: 5/5/2011Amended: 5/5/2011Amended: 5/5/2011Amended: 719/2016Nodel: 350ASTDASize: 4"Orientation: HorizontalModel: 774X-DCDA(SR)Orientation: HorizontalVertical UpVertical UpVictaulic Model 702,Bypass of Ningbo BallVertical UpVertical UpVertical DownVictaulic Model 702,Bypass of Ningbo BallVertical UpVertical DownVictaulic Model 702,Bypass of Ningbo BallVertical UpVertical DownVictaulic Model 702,Bypass of Ningbo BallVertical UpVictaulic Model 702,Bypass of Ningbo BallVertical UpVictaulic Model 702,Vertical DownVictaulic Model 702,Bypass of Ningbo BallNodel: 350ASTDASize: 8'/11997Amended: 8/15/2011Revision: 2011Model: 35/2/2011Amended: 8/15/2012Amended: 8/15/2012Nodel: 35/2/2011Amended: 8/15/2014Amended: 8/15/2012Nodel: 30ASTDASize: 8'/Size: 6"Orientation: HorizontalVictaulic Model 702,Nodel 25Size: 6"Victaulic Model 702,Size: 6"Orientation: HorizontalVictaulic Model 702, <td>Revision: 2011</td> <td></td> <td></td> <td></td> <td></td>	Revision: 2011				
J/4" and Meter of Size: 4"Size: 4" Orientation: Horizontal - Vertical Up w/Wats Regulator 409 RW 05.8Valves (Wilkins 855-0T) Badger 3/4" x 5/8" Model 25 Isued: 5/5/2011 Revision: 2011 Model: 350ASTDA Size: 4"Size: 4" Model 25 Size: 4"Orientation: Horizontal - Vertical Up W/ Victaulic Model 702 Wictaulic Model 702 W/ Victaulic Model 702 W/ Victaulic Model 702 Wictaulic Model 702 W/ Victaulic Model 702 Wikins Model 48 Com Model 253 Size: 6" Orientation: Horizontal- Vertical Up Wilkins Model 48 Com Model 2638, 2640, Victaulic Model 702 Wilkins Model 48 Com Model 253 Size: 6" Orientation: Horizontal- Vertical Up Wilkins Model 48 Com Model 2638, 2640, Victaulic Model 702 Wilkins Model 48, Com Model 253 Size: 6" Orientation: Horizontal- Vertical Up Wilkins Model 48, Com Model 253 Size: 6" Orientation: Horizontal- Vertical Up Wilkins Model 48, Com Model 253, 2640, Victaulic Model 702 Wilkins Model 48, Com Model 253, 2640, <b< td=""><td></td><td></td><td></td><td></td><td>Size: 4"</td></b<>					Size: 4"
Size: 2:1/2 inch Orientation: Horizontal- Vertical Down Witchaile: Model 253/4" and Meter of Badger 3/4" x 5/8" Model 25Badger 3/4" x 5/8" Model 25Orientation: Vertical Up Vertical Up Nodel: 350ASTDAR Size: 3"Vertical Up Vertical Up Nodel: 350ASTDARVertical Up Vertical Up Nodel: 350ASTDARVertical Up Vertical Up Nodel: 350ASTDARVertical Up Vertical Up Nodel: 350ASTDARVertical Up Vertical Up Nodel: 350ASTDARVertical Up Vertical Up Nodel: 350ASTDARVertical Up Vertical Up Nodel: 350ASTDARVertical Up Vertical Up Nodel: 350ASTDARVertical Up Vertical Up Nodel: 350ASTDARVertical Up Vertical Up Nodel: 350ASTDARVertical Up Vertical Up Nodel: 350ASTDARVertical Up Vertical Up Nodel: 350ASTDARVertical Up Vertical Up Nodel: 350ASTDARVertical Up Vertical Up Nodel: 350ASTDARVertical Up Vertical Up Nodel: 350ASTDARVertical Up Vertical Up Nodel: 350ASTDARVertical Up Vertical Up Nodel: 350ASTDARVertical Up Vertical Up Nodel: 350ASTDARVertical Up Vertical Up Nodel: 350ASTDARVertical Up Victaulic Model 2632, 2640, Victaulic Model 2632, 2640					
Orientation: Horizontal- Vertical Down & Vertical Up w/ Vatts Regulator 409 RW OS & Y Stee: 61Badger 3/4" x 5/8" Issued: 5/5/2011 Amended: 5/19/2016Model 25 Issued: 5/5/2011 Revision: 2011 Model: 350ASTDA Size: 41Orientation: Horizontal- Vertical Up Wilkins Model 2638, 2640, Vertical Up w/ Vatts Regulator 409 RW OS & Revision: 2011 Wilkins Model: 350ASTDA Vertical Up Wilkins Model: 2638, 2640, Vertical Up w/ Vatts Regulator 409 RW OS & Y Vertical Up w/ Vatts Regulator 409 RW OS & Y Vertical Up w/ Vatts Regulator 409 RW OS & Y Wilkins Model: 350ASTDA Size: 61Model: 263 Vertical Up Wilkins Model 48, Clow Model 2638, 2640, Victaulic Model 702, Wates (Wilkins 855-QT) Amended: 8/1/1997 Size: 61Vertical Up Vertical Down Victaulic Model 702, Wates (Wilkins 855-QT) Amended: 8/1/1997 Amended: 8/15/2011 Amended: 8/15/2011 Amended: 8/15/2011 Revision: 2011 Model: 55/2011 Amended: 8/15/2012Orientation: Horizontal- Vertical Up Wilkins Model 48, Clow Model 2638, 2640, Victaulic Model 702, Bypass of Ningbo Ball Valves (Wilkins 855-QT)- Size: 61Model: 250ASTDA Size: 61Victaulic Model 702, Model 250ASTDA Size: 41Vertical Up Victaulic Model 702, Bypass of Ningbo Ball Valves (Wilkins 855-QT)- Size: 61Victaulic Model 702, Victaulic Model 702, Bypass of Ningbo Ball Valves (Wilkins 855-QT)- Size: 61Vertical Up Vikins Model 48, Clow Model 2638, 2640, Victaulic Model 702, Bypass of Ningbo Ball Valves (Wilkins 855-QT)- Size: 61Victaulic Model 702, Revision: 2011 Model: 250ASTDA Size: 61Victaulic Model 702, Revision: 2011 Model: 250ASTDA Size: 61Victaulic Model 702, Revision: 2011 Model: 250ASTDA <br< td=""><td></td><td></td><td></td><td></td><td></td></br<>					
Vertical Up w/ Wats Regulator 409 RW 05 & YModel 25 (Stadet 5/5/2011 Amended: 8/15/2012Issued: 5/5/2011 Revision: 2011 Model: 350ASTDAR Size: 3"Double Check Detector Assembly Workins Model 4/25/2018& Kennedy KS II Gate Assembly Size: 3"Model: 350ASTDA Model: 350ASTDA Size: 4"Revision: 2011 Orientation: Horizontal- Vertical Up W/ Wilkins Model 48, Clow Model 2638, 2640, Victaulic Model 702, Badger 3/4" x 5/8" Nodel: 350ASTDADouble Check Detector Assembly& Kennedy KS II Gate Aviers of Apollo Model GV apte valveVertical Up Victaulic Model 702, Vertical Up W/ Wilkins 855-QT)- Model: 350ASTDARevision: 2011 W/ Wilkins 855-QT)- JA#" and Meter of Badger 3/4" x 5/8" Nicel 450STDA / Vertical Up W/ Wilkins 855-QT)- Size: 6"Double Check Detector Assembly& Kennedy KS II Gate Adves or Apollo Model Model 2638, 2640, Victaulic Model 702, Wilkins 855-QT)- JAmended: 5/19/2016Revision: 2011 Model 2638, 2640, Victaulic Model 702, Badger 3/4" x 5/8"Revision: 2011 Model 2638, 2640, Victaulic Model 702, Badger 3/4" x 5/8"Revision: 2011 Model 2638, 2640, Victaulic Model 702, Badger 3/4" x 5/8"Revision: 2011 Model 2638, 2640, Victaulic Model 2638, 2640, Victaulic Model 2638, 2640, Victaulic Model 2638, 2640, Victaulic Model 2638, 2640, Victaulic Model 2638, 2640, Victaulic Model 2638, 2640, Victaulic Model 2638, 2640, Victaulic Model 2638, 2640, Victaulic Model 2638, 2640, Victaulic Model 2638, 2640, Victaulic Model 2638, 2640, Victaulic Model 2638, 2640, Victaulic Model 2638, 2640, Victaulic Model 2638, 2640, Victaulic Model 2638, 2640, Victaulic Model 2638, 2640, Victaulic Model 2638, 2640, Victaulic					
& Vertical Up w/ Warts Issued: 5/5/2011 Amended: 8/15/2012 Revision: 2011 Model: 350ASTDA Size: 3" Amended: 4/25/2018 Amended: 4/25/2018 Amended: 4/25/2018 Amended: 4/25/2018 Amended: 4/25/2018 Amended: 4/25/2018 Amended: 4/25/2018 Amended: 4/25/2018 Amended: 4/25/2018 Amended: 4/25/2018 Amended: 4/25/2018 Amended: 4/25/2018 Amended: 4/25/2018 Amended: 4/25/2018 Amended: 4/25/2018 Amended: 4/25/2018 Amended: 4/25/2018 Model: 350ASTDA Size: 6" Orientation: Horizontal-Vertical Up Vertical Up					& Kennedy KS II Gate
Regulator 409 RW OS & Y Issued: 3/1/1997 Amended: 5/19/2016Amended: 8/15/2012 Revision: 2011 Model: 350ASTDA Size: 3"Issued: 5/5/2011 Amended: 4/25/2018GV gate valve issued: 1/15/2001Revision: 2011 Model: 2512Revision: 2011 Vertical Up Vertical Up Wilkins Model 48, Clow Model 2538,2540, Vertical Up wilkins Model 48, Clow Model 2538,2540, Vertical Up wilkins Model 48, Clow Model 2538,2540, Vertical Up wilkins Model 48, Clow Model 2538,2540, Vertical Up wilkins Model 48, Clow Model 2538,2540, Vertical Up wilkins Model 48, Clow Model 2538,2540, Vertical Up wilkins Model 48, Clow Model 2538,2540, Vertical Up wilkins Model 48, Clow Model 255 Susce: 5/5/2011 Amended: 5/5/2011 Revision: 2011 Model: 25Revision: 2011 Model 25 Susce: 5/5/2011 Revision: 2011 Model: 350ASTDA Size: 6"Revision: 2011 Model 25 Susce: 5/5/2011 Amended: 4/17/2007, Amended: 4/17/2007, Model: 350ASTDA Size: 6" Orientation: Horizontal- Vertical Up wilkins Model 48, Clow Model 2538, 2540, Victaulic Model 702, Wilkins Model 48, Clow Model 255, Susce: 5/5/2011 Revision: 2011 Model: 350ASTDA Size: 6" Model: 350ASTDA Size: 6" Model: 350ASTDA Size: 6" Model: 350ASTDA Size: 6" Model: 350ASTDA Size: 6" Model: 25/5/2011 Amended: 3/11/997 Amended: 3/					
YModel: 350ASTDA Size: 3"Amended: 4/25/2018Issued: 1/15/2001Amended: 5/19/2016Size: 3"Orientation: Horizontal- Vertical Up Wilkins Model: 350ASTDA Corientation: Horizontal- Vertical Up Wilkins Model: 2682.5C47)Amended: 4/25/2018Issued: 1/15/2001Revision: 2011 Model: 774X-DCDA(SR) Size: 4" Orientation: Horizontal- Vertical Up Wilkins Model: 2682.5C47)Wilkins Model: 48, Size: 6" Victaulic Model: 2682.5C47)Amended: 4/25/2018Model: CDAASG Size: 6" Orientation: Vertical Up W/ Victaulic Model: 2682.5C47)Swets: 8/1/1997 Amended: 5/19/2016Size: 6" Victaulic Model: 25/5/2011 Amended: 8/15/2012Amended: 4/25/2018 Amended: 4/25/2018Amended: 4/25/2018 Amended: 4/25/2018Amended: 4/25/2018 Amended: 4/25/2018Revision: 2011 Model: 75/19/2016Revision: 2011 Model: 350ASTDA Size: 6"Revision: 2011 Model: 350ASTDA Size: 6" Orientation: Horizontal- Vertical Up Wilkins Model 48, Size: 6"Revision: 2011 Model: 350ASTDA Size: 6"Revision: 2011 Model: 350ASTDA Size: 6"Revision: 2011 Model: 72 Size: 6"Revision: 2011 Model: 72 Size: 6"Revision: 2011 Model: 72 Size: 6"Revision: 2011 Model: 72 Size: 6"Revision: 2011 Model: 72 Size: 6"Revision: 2011 Model: 72 Size: 6"Revision: 2011 Model: 72 Size: 6"Revision: 2011 Model: 72 Size: 6"Revision: 2011 Model: 72 Size: 6"Revision: 2011 Model: 72 Size: 6"Revision: 2011 Model: 72 Size: 6"Revision: 2011 Model: 72 Size: 6"Revision: 2011 Model: 72 Size: 6"Revision: 2011 Model: 72 Size: 6" </td <td></td> <td></td> <td>Revision: 2011</td> <td></td> <td></td>			Revision: 2011		
Issued: \$/1/1997 Amended: 5/19/2016Revision: 2011 Model: 350ASTDA Size: 4"Revision: 2011 Model: 350ASTDA Size: 4"Revision: 2011 Model: 450STDA / Size: 5"Revision: 2011 Model: 0CDAS; Vertical Up W/Wilkins Model 48, Clow Model 2639, 2640, Vertical Up w/ Wilkins 855-QT1- J4* and Meter of Size: 6"Revision: 2011 Model: 55/2011 Amended: 5/19/2016Revision: 2011 Model: 350ASTDA Size: 6"Revision: 2011 Model: 702, Vertical Up w/ Watts Revision: 2011 Model: 350ASTDA Size: 6"Revision: 2011 Model: 702, Vertical Up w/ Watts Revision: 2011 Model: 25 Size: 6"Revision: 2011 Model: 702, Vertical Up w/ Watts Revision: 2011 Model: 25 Size: 6"Revision: 2011 Model: 702, Vertical Up w/ Watts Revision: 2011 Model: 350ASTDA Size: 6"Revision: 2011 Model: 25 Size: 6"Revision: 2011 Model: 25 Size: 6"Revision: 2011 Model: 25 Size: 6"Revision: 2011 Model: 25 Size: 6"Revision: 2011 Model: 25 Size: 6"Revision: 2011 Model: 25 Size: 6"Revision: 2011 Model: 25 Size: 6"Revision: 2011 Model: 25 Size: 6"Revision: 2011 Model: 25 Size: 6"Revision: 2011 Model: 25 Size: 6"Revision: 2011 Model: 25 Size: 6"Revision: 2011 Model: 25 Size: 6"Revision: 2011 Model: 25 Size: 6"Revision: 2011 Model: 25 Size: 6"Revision: 2011 Model: 25 Size: 6"Revision: 2011 Model: 25 Size: 6"Revision: 2015 Model: 25 Size: 6"Revision: 2015 Model: 25 Size: 6"Revision: 2015 Model: 25 Size: 6"Revision: 2015 Model: 25 Size: 6"Revision: 2015 Model: 25 Size: 6"Revision: 20	Y				
Amended: 5/19/2016Model: 350ASTDA Size: 4"Orientation: Horizontal- Vertical Up w/ Wilkins Model 48, Clow Model 2539, 2640, Victaulic Model 702, Bypass of Ningbo Ball Victaulic Model 702, Vertical Up w/ Watk Valves of Ningbo Ball Valves (Wilkins 855-QT) - Model: 5/5/2011Orientation: Horizontal - Vertical Up w/ Vilkins Model 48, Clow Model 253, 2640, Victaulic Model 702, Bypass of Ningbo Ball Valves (Wilkins 855-QT) - Issued: 5/5/2011Orientation: Horizontal - Vertical Up Victaulic Model 702, Bypass of Ningbo Ball Valves (Wilkins 855-QT) - Issued: 5/5/2011Model: S50ASTDA Size: 6"Model: S0ASTDA Size: 6" Orientation: Horizontal - Vertical Up Victaulic Model 702, Badger 3/4" x 5/8" Model: 350ASTDARevision: 2011 Model: 350ASTDA Size: 4"Revision: 2011 Model: 350ASTDA Size: 4"Revision: 2011 Model: 350ASTDA Size: 4"Revision: 2011 Model: 350ASTDA Size: 4"Revision: 2011 Model: 253B Size: 4"Revision: 2011 Model: 350ASTDA Size: 4"Revision: 2011 Model: 350ASTDA Size: 4"Revision: 2011 Model: 253B Size: 4"Revision: 2011 Model: 253B Size: 4"Revision: 2011 Model: 253DASTDA Size: 4"Revision: 2011 Model: 253DASTDA Size: 4"Revision: 2011 Model: 253DASTDA Size: 4"Revision: 2011 Model: 25 Size: 4"Revision: 2011 Model: 25 Size: 4"Revision: 2011 Model: 25 Size: 4"Revision: 2011 Model: 25 Size: 5/2/2011Revision: 2011 Model: 25 Size: 4"Revision: 2011 Model: 25 Size: 5/2/2011Revision: 2011 Model: 25 Size: 5/2/2011Revision: 2011 Model: 25 Size: 5/2/2011Revision: 2011 Model: 25 Size: 5' Orientation: H	Issued: 8/1/1997	Revision: 2011	Size: 3"		
Revision: 2011 Model: 774X-DCDA; (LF)774X-DCDA(SR)Size: 4" Orientation: Horizontal Vertical Up W/Wilkins Model 48, Clow Model 2639, 2640, Victaulic Model 702, Victaulic Model 702, YVertical Up Victaulic Model 702, Victaulic 0STDA / Size: 6"Model: 40STDA / Size: 6"Model: 40STDA / Size: 6"Model: 40STDA / Size: 6"Model: 40STDA / Size: 6"Model: 40STDA / Size: 6"Model: 40STDA / Size: 6"Model: 702, Victaulic Model 702, Wilkins 855-QT) - Amended: 5/19/2016Model: 702, Victaulic Model 702, Victaulic Model 702, Nodel 25Model: 450STDA / Size: 6"Model: 702, Victaulic Model 702, Wilkins 855-QT) -Model: 702, Victaulic Model 702, Nodel 25Model: 702, Victaulic Model 702, Nodel 25Model: 702, Victaulic Model 702, Victaulic Model 702, Nodel 25, Size: 8"Model: 5/5/2011 Revision: 2011 Model: 747-72/2015Model: 702, Nodel 25, Size: 8"Model: 702, Polication: Horizontal - Vertical Up Victaulic Model 702, Nodel 25, Size: 6"Model: 702, Polication: Horizontal - Vertical Up Victaulic Model 702, Nodel 25, Size: 6"Model: 702, Polication: Horizontal - Vertical Up Victaulic Model 702, Nodel 25, Size: 6"Model: 702, Polication: Horizontal - Vertical Up Victaulic Model 702, Nodel 25, Size: 10"Model: 702, Polication: Horizontal - Vertical Up Victaulic Model 702, Nodel 25, Size: 10"Model: 702, Polication: Horizontal - Vertical Up Victaulic Model 702, Nodel 25, Size: 10"				Revision: 2011	Revision: 2005
Revision: 2011 Model: 774X-DCDA(SR) (LF)774X-DCDA(SR)Orientation: Horizontal - Vertical Up w/ Wilkins Model 48, Clow Model 2638,2640, Victaulic Model 702, Bypass of Ningbo Ball Valves (Wilkins 855-QT) Badger 3/4" x5/8" Model 25 Size: 8"450STDAR Size: 6" Orientation: Vertical Up w/ Victaulic Model 702, Double Check Detector Model: 25/5/2011 Amended: 5/19/2016Size: 6" Victaulic Model 702, Double Check Detector Model 25 Size: 8" Orientation: Vertical Up W/ Victaulic Model 702, Valves (Wilkins 855-QT) Badger 3/4" x5/8" Model 25 Size: 8"Size: 6" Victaulic Model 702, Valves (Vilkins 855-QT) Double Check Detector Model 25 Size: 8" Orientation: Vertical Up Wodel 25 Size: 8"Size: 6" Victaulic Model 702, Valves (Vilkins 855-QT) Double Check Detector Model: 55/5/2011 Model: 350ASTDA Size: 8" Orientation: Horizontal - Vertical Up Wilkins Model 48, Clow Model 2638,2640, Victaulic Model 702, Wilkins Model 48, Clow Model 2638,2640, Victaulic Model 702, Wilkins Model 48, Clow Model 2638,2640, Victaulic Model 702, Wilkins Model 48, Clow Model 2638,2640, Victaulic Model 702, Wilkins Model 48, Clow Model 2638,2640, Victaulic Model 702, Bypass of Ningbo Ball Valves (Wilkins 855-QT) J/4" and Meter of Badger 3/4" x 5/8" Model 25 Size: 8" Clow Model 2638,2640, Victaulic Model 702, Bypass of Ningbo Ball Valves (Wilkins 855-QT) J/4" and Meter of Badger 3/4" x 5/8" Model: 25/2011 Amended: 4/15/2011 Amended: 4/15/2011 Amended: 4/15/2011 Amended: 8/15/2011 Amended: 8/15/2011 Amended: 8/15/2011 Amended: 8/15/2011 Amended: 8/15/2011 Amended: 8/15/2011 Amended: 8/15/2011 Amended: 8/15/2011 Amended: 8/15/2011 Amended: 8/15/2011 Model: 350ASTDAR 		Size: 4"			
Model: 774X-DCDA; (LF)774X-DCDA(SR)Vertical Up w/ Wilkins Model 48, Clow Model 2638,2640, Victaulic Model 702, Bypass of Ningbo Ball Valves (Wilkins 855-QT) - JA4" and Meter of Badger 3/4" x 5/8" Model 25 Issued: 5/19/2016Size: 6" Orientation: Vertical Up v/ Vertical Up w/ Watts Regulator 409 RWOS & YVertical Up w/ Watts adder 374 x 5/8" Model 25 Issued: 5/174X-DCDA(SR)Vertical Up w/ Victaulic Model 702, Bypass of Ningbo Ball Valves (Wilkins 855-QT) - Issued: 5/12/2011Size: 6" Orientation: Vertical Up Vertical Up w/ Victaulic Model 702, Badger 3/4" x 5/8" Model 25Size: 6" Victaulic Model 702, Duble Check Detector Duble Check DetectorOrientation: Horizontal - Vertical Up w/ Victaulic Model 702, Badger 3/4" x 5/8" Model 25Size: 6" Victaulic Model 702, Bypass of Ningbo Ball Valves (Vilkins S5-QT) - Wilkins Model 48, Clow Model 2638,2640, Victaulic Model 702, Bypass of Ningbo Ball Vertical Up w/ Wilkins S5-QT) - JA4" and Meter of Badger 3/4" x 5/8" Model 25 Size: 6"Size: 6" Orientation: Vertical Up W/ Wilkins S5-QT) - JA4" and Meter of Badger 3/4" x 5/8" Model 25 Size: 6"Size: 6" Orientation: Horizontal - Vertical Up W/ Victaulic Model 702, Bypass of Ningbo Ball Vertical Up w/ Victaulic Model 702, Bypass of Ningbo Ball Vertical Up w/ Wilkins 48 gate Victaulic Model 25 Size: 6"Size: 6" Orientation: Horizontal - Vertical Up W/ Wilkins 48 gate Victaulic Model 702, Bypass of Ningbo Ball Vertical Up W/ Wilkins 48 gate W/ Wilkins 48 gate W/ Wilkins 48 gate W/ Wilkins 48 gate W/ Wilkins 48 gate W/ Wilkins 48 gate W/ Wilkins 48 gate W/ Wilkins 48 gate W/ Wilkins 48 gate W/ Wilkins 48 gate W/ Wilkins 48 gate W/ Wilki	Revision: 2011				
(LF)774X-DCDA(SR) Size: 6 inch Orientation: Horizontal- Vertical Down W (Vikins Model 48, Clow Model 2638,2640, Victaulic Model 702, Bypass of Ningbo Ball Valves (Wikins 855-QT) - Badger 3/4" x 5/8" Model 25 Issued: 5/19/2016Victaulic Model 702, Bypass of Ningbo Ball Valves (Wikins 855-QT) - J/4" and Meter of Badger 3/4" x 5/8" Model 25 Issued: 5/19/2016Orientation: Vertical Up Vertical Down Model 25 Issued: 5/2/011 Model 25 Issued: 5/2/2011Orientation: Vertical Up Vertical Down Model 25 Size: 4"Vertical Down Valves (Vikins 855-QT) - Model 25 Issued: 5/2/2011 Model 25Orientation: Vertical Up Vertical Down Model 25 Size: 4"Vertical Down Amended: 4/15/2001 Model 2638,2640, Victaulic Model 702, Model: 350ASTDA Size: 6"Orientation: Vertical Up Vertical Up Model 25Vertical Up Model 2638,2640, Victaulic Model 702, Nodel: 350ASTDA Size: 6"Orientation: Vertical Up Model 25 Issued: 5/2/2011 Model 2638,2640, Victaulic Model 702, Vertical Up w/ Wikins Model 48, Clow Model 2638,2640, Victaulic Model 702, Vertical Up w/ Wikins 855-QT) - Amended: 8/15/2012Vertical Up Wikins Model 48, Clow Model 2638,2640, Victaulic Model 702, Vertical Up w/ Victaulic Model 702, Vertical Up w/ Victaulic Model 702, Vertical Up w/ Victaulic Model 702, Vertical Up w/ Victaulic Model 702, Vertical Up w/ Victaulic Model 702, Vertical Up w/ Vikins 855-QT) - Vertical Up w/ Vikins 855-					
Size: 6 inch Orientation: Horizontal- Vertical Up w/ Watts Regulator 409 RW OS & YClow Model 2638,2640, Wilkins 855-QT)- Bypass of Ningbo Ball Valves (Wilkins 855-QT)- Badger 3/4" x 5/8" Model 25 Issued: 5/5/2011 Amended: 5/19/2016Bypass of Ningbo Ball Valves (Wilkins 855-QT)- Badger 3/4" x 5/8" Model 25 Issued: 5/5/2011 Amended: 5/19/2016- Vertical Up w/ Victaulic Model 702, Wodel: 25 Issued: 5/5/2011 Revision: 2011 Model: 25 Size: 8 inch 				Orientation: Vertical Up	
Orientation: Horizontal - Vertical Up w/ Watts Regulator 409 RW 05& YVictulic Model 702, Bypass of Ningbo Ball 3/4" and Meter of Badger 3/4" x 5/8" Model 25Valves (Wilkins 855-QT) - Badger 3/4" x 5/8" Model 25Double Check Detector Assembly Issued: 5/5/2011 Amended: 4/17/2007, 1/30/2008, 1/20/2011, 7/22/2015& Kennedy KS II Gate Valves or Apollo Model GV gate valve Issued: 5/5/2011 Amended: 5/19/2016& Kennedy KS II Gate Valves (Wilkins 855-QT) - Badger 3/4" x 5/8" Model 25Double Check Detector Assembly Issued: 5/5/2011 Model: 25& Kennedy KS II Gate Valves or Apollo Model GV gate valve Issued: 4/17/2007, 1/30/2008, 1/20/2011, 7/22/2015Boute Check Detector Assembly Vertical Up Vertical Up Wilkins Model 48, Clow Model 2638, 2640, Vertical Up w/ Valts Issued: 5/19/2016Double Check Detector Assembly Wilkins Model 48, Clow Model 2638, 2640, Victaulic Model 702, Bypass of Ningbo Ball Vertical Up W/ Wilkins 855-QT) -Double Check Detector Assembly Issued: 5/5/2011 Model: 25& Kennedy KS II Gate Valves or Apollo Model GV gate valve Size: 8" Orientation: Horizontal - Vertical Up Vertical Up W/ Wilkins 855-QT) -Double Check Detector Assembly Issued: 5/5/2011 Model: 25& Kennedy KS II Gate Vertical Up Wilkins Model 48, Clow Model 2638, 2640, Victaulic Model 702, Bypass of Ningbo Ball Vertical Up Wilkins 84 gate Wilkins 84 gate Wilkins 84 gate Wilkins 84 gate Wilkins 84 gate Wilkins 84 gate Wilkins 84 gate Wilkins 84 gate Wilkins 84 gate Wilkins 84 gate Wilkins 84 gate Wilkins 84 gate Wilkins 84 gate Wilkins 84 gate Wilkins 84 gate Wilkins 84 gate Wilkins 84 gate Wilkins 84 gate W					w/ Victaulic Model 702
Vertical Down & Vertical Up w/ Watts Regulator 409 RW 05 & YBypass of Ningbo Ball Valves (Wilkins 855-QT) - Badger 3/4" x 5/8" Model 253/4" and Meter of Badger 3/4" x 5/8" Model 25Assembly Lsued: 5/5/2011 Amended: 4/125/2018Valves or Apollo Model GV gate valve Issued: 4/125/2018Revision: 2011 Model 25Revision: 2011 Amended: 3/15/2012Revision: 2011 Model: 350ASTDA Size: 6"Revision: 2011 Model: 350ASTDA Size: 6"Revision: 2011 Model: 350ASTDA Vertical Up W Wilkins Model 48, Clow Model 258, 2640, Victaulic Model 702, Bypass of Ningbo Ball Vertical Up W Wilkins 48 gate vertical Up w/ Wilkin	Orientation: Horizontal -			Double Check Detector	
Regulator 409 RW OS & Y3/4" and Meter of Badger 3/4" x 5/8" Model 25 Issued: 5/19/2016Model 25 Issued: 5/5/2011 Amended: 4/15/2012Model 25 Issued: 5/5/2011 Revision: 2011 Model: 350ASTDA / Model: 350ASTDA / Size: 8"Model 25 Issued: 5/5/2011 Model: 350ASTDA / 450STDA / <td>Vertical Down</td> <td></td> <td>3/4" and Meter of</td> <td>Assembly</td> <td></td>	Vertical Down		3/4" and Meter of	Assembly	
Regulator 409 RW OS & Y3/4" and Meter of Badger 3/4" x 5/8" Model 25 	& Vertical Up w/ Watts	Valves (Wilkins 855-QT) -		Issued: 5/5/2011	GV gate valve
Model 25 Issued: 8/1/1997 Amended: 5/19/2016Model 25 Issued: 8/15/2012 Amended: 8/15/2012Revision: 2011 Model: 350ASTDA Size: 8'' Orientation: Horizontal- Vertical Up W/Wilkins Model 48, Corentation: Horizontal- Vertical Up w/ Wilkins Model 48, Corentation: Horizontal- Vertical Up w/ Wilkins Model 48, Cow Model 2638, 2640, Victaulic Model 702, Bypass of Ningbo Ball Valves (Wilkins 855-QT)- 3/4'' and Meter of Badger 3/4'' x 5/8'' Model: 350ASTDA Size: 10''Revision: 2011 Model: 350ASTDA Size: 6''' Orientation: Horizontal- Vertical Up W/Wilkins Model 48, Clow Model 2638, 2640, Victaulic Model 702, Bypass of Ningbo Ball Valves (Wilkins 855-QT)- 3/4'' and Meter of Badger 3/4'' x 5/8'' Model: 350ASTDA Size: 10''Revision: 2011 Model: 350ASTDA Size: 6''' Orientation: Horizontal- Vertical Up W/Wilkins 48 gate vertical	Regulator 409 RW OS &	3/4" and Meter of		Amended: 4/25/2018	Issued: 1/15/2001
Issued: 8/1/1997 Amended: 5/19/2016Issued: 5/5/2011 Amended: 8/15/2012Revision: 2011 Model: 350ASTDA Size: 8"Revision: 2011 Model: 350ASTDA Size: 8"Model: 350ASTDA Size: 8"Model: 350ASTDA Size: 8"Revision: 2011 Model: 350ASTDA Size: 8"Revision: 2011 Model: 350ASTDA Size: 8"Revision: 2011 Model: 350ASTDA Size: 8"Revision: 2011 Model: 350ASTDA Size: 8"Revision: 2011 Model: 350ASTDA Size: 8"Revision: 2011 Model: 350ASTDA Size: 8"Revision: 2011 Model: 350ASTDA Size: 8"Revision: 2011 Model: 253, 2640, Victaulic Model 702, Bypass of Ningbo Ball Valves (Wilkins 855-QT) - 3/4" and Meter of Badger 3/4" x 5/8" Model: 25/5/2011Revision: 2011 Model: 350ASTDA Size: 6"Model: 450STDA / 450STDAR Size: 8"Revision: 2011 Model: 252(211) Amended: 4/17/2007, 1/22/2015Revision: 2011 Model: 25/2011Revision: 2011 Model: 25/2011 Model: 25/2011 Model: 25/2011Revision: 2011 Model: 350ASTDA Size: 10"Revision: 2011 Model: 350ASTDA Size: 6"Revision: 2011 Model: 350ASTDA Size: 6"Revision: 2011 Model: 350ASTDA Size: 10"Revision: 2011 Model: 350ASTDA Size: 10"Revision: 2011 Model: 350ASTDA Size: 6"Revision: 2011 Model: 350ASTDA Size: 6"Revision: 2011 Model: 350ASTDA Size: 6"Revision: 2011 Model: 350ASTDA Size: 10"Revision: 2011 Model: 350ASTDA Size: 10"Revision: 2011 Model: 350ASTDA Size: 6"Revision: 2011 Model: 350ASTDA Size: 6"Revision: 2011 Model: 350ASTDA Size: 6"Revision: 2011 Model: 350ASTDA Size: 10"Revision: 2011 Model: 25/2/2011Revision: 2011 M	Y		Issued: 5/5/2011		Amended: 4/17/2007,
Amended: 5/19/2016Amended: 8/15/2012Model: 350ASTDAR Size: 6"450STDAR Size: 8"Revision: 2011 Model: 350ASTDA Size: 6"Revision: 2011 Model: 350ASTDA Size: 6"Model: 350ASTDA Size: 6"Revision: 2012 Orientation: Horizontal- Vertical Up W/Wilkins Model 48, Clow Model 2638, 2640, Victaulic Model 702, Bypass of Ningbo Ball Victaulic Model 702, Bypass of Ningbo Ball Size: 6"450STDAR Size: 8"Revision: 2005 Model: DCDA4SG Size: 8"Wilkins / A Division of Zurn Revision: 2011 Model: 350ASTDA Size: 10"Clow Model 2638, 2640, Victaulic Model 702, Bypass of Ningbo Ball Victaulic Model 702, Bypass of Ningbo Ball Victaulic Model 702, Bypass of Ningbo Ball Size: 5/5/2011Model: 252 Size: 8"Assembly Uvitaulic Model 702, Badger 3/4" x 5/8" Model 255 Size: 10"Model: 252 Size: 6"Apollo Valves / Conbrace Industries, Revision: 2011 Wilkins 855-QT) - 3/4" and Meter of Badger 3/4" x 5/8" Model: 350ASTDA Size: 10"Amended: 4/17/2007, 1/30/2008, 1/20/2011, 7/22/2015Amended: 4/17/2007, 1/30/2008, 1/20/2011, 7/22/2015Model: 350ASTDA Size: 10"Model: 350ASTDA Size: 6"Model: 350ASTDA Size: 6"Wilkins 48 gate Vertical Up W/ Wilkins 48 gate Valves, Wilkins 48 gate Valves, Wilkins 48 gate Valves, Wilkins 48 gate Vertical Up W/ Wilkins 48 gate Valves, Wilkins 48 gate Valves, Wilkins 48 gate Valves, Wilkins 48 gate Valves, Wilkins 48 gate Valves, Wilkins 48 gate Valves, Wilkins 48 gate Valves, Wilkins 48 gate Valves, Wilkins 48 gate Valves, Wilkins 48 gate Valves, Wilkins 48 gate Valves, Wilkins 48 gate Valves, Wilkins 48 gate Valves, Wilkins 48 gate Valves, Wilkin				Revision: 2011	1/30/2008, 1/20/2011,
Revision: 2011 Model: 774X-DCDA; (LF)774X-DCDA(SR)Revision: 2011 Model: 350ASTDA Size: 8 inch Orientation: Horizontal- Vertical Up w/Wilkins Model 48, Clow Model 2638, 2640, Vertical Up w/Witkins Model 48, Clow Model 2638, 2640, Vertical Up w/Witkins Model 48, Clow Model 2638, 2640, Vertical Up w/Witkins Model 48, Clow Model 2638, 2640, Vertical Up w/Witkins Model 48, Clow Model 2638, 2640, Vertical Up w/Witkins Model 48, Clow Model 2638, 2640, Vertical Up w/Witkins 855-QT)- Amended: 5/19/2016Size: 4" Orientation: Horizontal- Vertical Up W/Witkins Model 48, Clow Model 2638, 2640, Victaulic Model 702, Bypass of Ningbo Ball Valves (Witkins 855-QT)- 3/4" and Meter of Badger 3/4" x 5/8" Model 25 Issued: 5/5/2011Size: 8" Orientation: Horizontal- Vertical Up W/Witkins Model 48, Clow Model 25 Issued: 5/5/2011Revision: 2011 Model: 25 Issued: 5/5/2011Revision: 2011 Model: 25 Issued: 5/5/2011Revision: 2011 Model: 25 Issued: 5/5/2011Revision: 2011 Model: 350ASTDA Size: 6" Orientation: Horizontal- Vertical Up W/Witkins 48 gate valves, Witkins 48 gate valves, Witkins 48 gate valves, Witkins 49Size: 6" Orientation: Horizontal- Vertical Up W/Witkins 49 Size: 6"Revision: 2011 Model 2638, 2640, Victaulic Model 702, Bypass of Ningbo Ball Vertical Up W/Witkins 49 Size: 6"Size: 6" Orientation: Horizontal- Vertical Up W/Witkins 49Size: 6" Orientation: Horizontal- Vertical Up W/Witkins 49Size: 6" Orientation: Horizontal- Vertical Up W/Witkins 49Size: 6" Orientation: Horizontal- Vertical Up W/Witkins 49Size: 6" Orientation: Horizontal- Vertical Up W/Witkins 49Size: 6" Orientation: Horizo				Model: 450STDA /	7/22/2015
Revision: 2011 Model: 774X-DCDA; (LF)774X-DCDA(SR)Revision: 2011 Model: 350ASTDA Size: 8 inch Orientation: Horizontal- Vertical Up w/Wilkins Model 48, Clow Model 2638, 2640, Vertical Up w/Watts Regulator 409 RW OS & Y Amended: 5/19/2016Revision: 2011 Model: 350ASTDA Vertical Up w/Wilkins 48 gate vertical UpSize: 4" Orientation: Horizontal- Vertical Up w/Wilkins Model 48, Clow Model 2638, 2640, Victaulic Model 702, Bypass of Ningbo Ball Valves (Wilkins 855-QT)- 3/4" and Meter of Badger 3/4" x 5/8" Model: 350ASTDA Size: 10"Size: 4" Orientation: Horizontal- Vertical Up w/Wilkins 855-QT)- 3/4" and Meter of Badger 3/4" x 5/8" Model 25 Issued: 5/5/2011Revision: 2011 Model: 25 Issued: 5/5/2011 Model: 350ASTDA Size: 10"Revision: 2011 Model: 350ASTDA Size: 6"Revision: 2011 Model: 25 Issued: 5/5/2011 Model: 350ASTDA Size: 10"Revision: 2011 Model: 350ASTDA Size: 6"Revision: 2011 Model: 350ASTDA Size: 6"Revision: 2011 Model: 350ASTDA Size: 6"Revision: 2011 Model: 350ASTDA Size: 6"Revision: 2011 Model: 350ASTDA Size: 6"Revision: 2011 Model: 350ASTDA Size: 6"Revision: 2011 Model: 350ASTDA Size: 6"Revision: 2011 Model: 350ASTDA Size: 6"Revision: 2011 Model: 350ASTDA Size: 6"Revision: 2011 Model: 350ASTDA Size: 6"Revision: 2011 Model: 350ASTDA Size: 10"Revision: 2011 Model: 350ASTDA Size: 6"Size: 6" Orientation: Horizontal- Vertical Up W/ Wilkins 48 gate Valves, Wilkins 49Size: 6" Amended: 702, Bypass of Ningbo Ball Vertical Up W/ Wilkins 85-QT)-Size: 6" Orientation: Horizontal- Vertical Up W/ Wilkins 48 ga	Amended: 5/19/2016	Amended: 8/15/2012	Model: 350ASTDAR	450STDAR	
Model: 774X-DCDA; (LF)774X-DCDA(SR)Model: 350ASTDA Size: 6"Vertical Up w/ Wilkins Model 48, Orientation: Horizontal - Vertical Up w/ Wilkins Model 48, Clow Model 2638, 2640, Vertical Up w/ Wilkins Model 48, Clow Model 2638, 2640, Y Wilkins / A Division of Zurn Model: 350ASTDA Size: 10"Model: 350ASTDA Size: 6"Vertical Up w/ Wilkins Model 48, Clow Model 2638, 2640, Victaulic Model 702, Bypass of Ningbo Ball Valves (Wilkins 855-QT) - 3/4" and Meter of Badger 3/4" x 5/8" Model 25 Issued: 5/5/2011Vertical Up w/ Wilkins 855-QT) - Amended: 5/19/2016Size: 8" Orientation: Horizontal - Vertical Up w/ Wilkins 855-QT) - Size: 10"Size: 10" Orientation: Horizontal - Vertical Up Wilkins 48 gate w/ Wilkins 48 gate valves, Wilkins 48 gate valves, Wilkins 48 gate valves, Wilkins 48 gate valves, Wilkins 48 gate valves, Wilkins 48 gate valves, Wilkins 48 gate valves, Wilkins 48 gate valves, Wilkins 48 gate valves, Wilkins 48 gate valves, Wilkins 48 gate valves, Wilkins 48 gate valves, Wilkins 48 gate valves, Wilkins 48 gate valves, Wilkins 49Vertical Up valves, Wilkins 855-QT) - Size: 6"Vertical Up valves, Victaulic Model 702, Bypass of Ningbo Ball Vertical Up w/ Wilkins 48 gate valves, Wilkins 49Vertical Up valves, Wilkins 855-QT) - Size: 6"Size: 10" Orientation: Horizontal - Vertical Up W/Wilkins 855-QT) -Size: 8" Orientation: Horizontal - Vertical Up W/Wilkins 855-QT) -Size: 8" Orientation: Horizontal - Vertical Up W/Wilkins 855-QT) -Size: 10" Orientation: Horizontal - Vertical Up W/Wilkins 855-QT) -Size: 10" Orientation: Horizontal - Vertical Up W/Wilkins 855-QT) -Size: 10" Orien				Size: 8"	
(LF)774X-DCDA(SR)Size: 6"w/ Wilkins Model 48, Clow Model 2638,2640, Victaulic Model 702, Bypass of Ningbo Ball Valves (Wilkins 855-QT) - Amended: 5/19/2016bw/ Wilkins Model 48, Clow Model 2638,2640, Victaulic Model 702, Bypass of Ningbo Ball Valves (Wilkins 855-QT) - 3/4" and Meter of Badger 3/4" x 5/8" Model: 350ASTDA Size: 10"bw/ Wilkins Model 48, Clow Model 2638,2640, Victaulic Model 702, Bypass of Ningbo Ball Valves (Wilkins 855-QT) - 3/4" and Meter of Badger 3/4" x 5/8" Model: 350ASTDA Size: 10"Double Check Detector Assembly Issued: 5/5/2011 Amended: 4/25/2018Orientation: Horizontal - Vertical Up Wilkins 48 gate Vertical UpWilkins / A Division of Zurn Nodel: 350ASTDA Size: 10"Size: 6" Orientation: Horizontal - Vertical UpNodel 25 Size: 6"Double Check Detector Assembly Issued: 4/25/2018Orientation: Horizontal - Vertical Up Wilkins 48 gate Vertical UpApollo Valves / Conbrace Industries Revision: 2011 Wodel: 350ASTDAR Size: 10"Orientation: Horizontal - Vertical Up Wilkins 48 gate Vertical UpOrientation: Horizontal - Vertical Up Wilkins 48 gate Valves, Wilkins 49Orientation: Horizontal - Vertical Up Wilkins 48 gate Valves (Wilkins 48 gate Valves, Wilkins 49 3/4" and Meter ofOrientation: Horizontal - Vertical Up Vertical Up Wilkins 855-QT) - Size: 10"Orientation: Horizontal - Vertical Up Wilkins 48 gate Valves (Wilkins 49 Size: 10"Orientation: Horizontal - Vertical Up Wilkins 48 gate Valves (Wilkins 855-QT) - 3/4" and Meter ofOrientation: Horizontal - Vertical Up Wilkins 48 gate Valves (Wilkins 49 Size: 10"Orientation: Horizontal - Ver					
Size: 8 inch Orientation: Horizontal - Vertical Down & Vertical Up w/Watts Regulator 409 RW OS & Y Issued: 8/1/1997 Amended: 5/19/2016Orientation: Horizontal - Vertical Up w/Wilkins 855-QT) - 3/4" and Meter of Badger 3/4" x 5/8" Model 25 Issued: 5/19/2016Clow Model 2638, 2640, Victaulic Model 702, Bypass of Ningbo Ball Valves (Wilkins 855-QT) - 3/4" and Meter of Badger 3/4" x 5/8" Model 25 Issued: 5/5/2011Assembly Issued: 5/5/2011 Amended: 5/5/2011Vertical Up w/Victaulic Model 702, Bypass of Ningbo Ball Valves (Wilkins 855-QT) - 3/4" and Meter of Badger 3/4" x 5/8" Model 25 Issued: 5/5/2011Assembly Vertical Up Model 26 Size: 10"Vertical Up w/Victaulic Model 702, Bypass of Ningbo Ball Valves (Vilkins 855-QT) - 3/4" and Meter of Badger 3/4" x 5/8" Model 25 Issued: 5/5/2011Assembly Vertical Up Model 26 Size: 10"Vertical Up W/Victaulic Model 702, Bypass of Ningbo Ball Vertical Up w/Wilkins 48 gate valves, Wilkins 48 gate valves, Wilkins 48 gate valves, Wilkins 49Vertical Up Vertical Up W/Wilkins 49Vertical Up Vertical Up W/Wilkins 49Vertical Up Wilkins 49Vertical Up Wilkins 49Vertical Up w/Wilkins 49Vertical Up W/Wilkins 49Vertical Up W/Wilkins 49Vertical Up W/Wilkins 49Vertical Up Wilkins 49Vertical Up Wilkins 49Vertical Up W/Wilkins 49Vertical Up W/Wilkins 49Vertical Up W/Wilkins 49Vertical Up W/Wilkins 49Vertical Up W/Wilkins 49Vertical Up W/Wilkins 49Vertical Up W/Wilkins 49Vertical Up W/Wilkins 49Vertical Up W/Wilkins 49Vertical Up W/Wilkins 49Vertica					
Orientation: Horizontal - Vertical Down & Vertical Down & Vertical Down & Vertical Up w/ Watts Regulator 409 RW OS & YVertical Up w/ Wilkins Model 48, Clow Model 2638, 2640, Victaulic Model 702, Bypass of Ningbo Ball Valves (Wilkins 855-QT) - 3/4" and Meter of Badger 3/4" x 5/8" Model 25 Badger 3/4" x 5/8" Model 25 Issued: 5/5/2011Issued: 5/5/2011 Amended: 4/25/2018w/ Victaulic Model 702, Bypass of Ningbo Ball Valves (Wilkins 855-QT) - 3/4" and Meter of Badger 3/4" x 5/8" Model 25Victaulic Model 702, Bypass of Ningbo Ball Valves (Wilkins 855-QT) - 3/4" and Meter of Badger 3/4" x 5/8" Model 25Victaulic Model 702, Bypass of Ningbo Ball Valves (Wilkins 855-QT) - 3/4" and Meter of Badger 3/4" x 5/8" Model 25Issued: 5/5/2011 Badger 3/4" x 5/8" Model 25Issued: 5/5/2011 Amended: 4/17/2007, 1/30/2008, 1/20/2011, 7/22/2015W/ Victaulic Model 702, Bypass of Ningbo Ball Vertical Up W/ Wilkins 49 Wilkins 49Wilkins 48 gate valves, Wilkins 48 gate valves, Wilkins 49Wilkins 48 gate valves, Wilkins 49Wilkins 48 gate valves, Wilkins 49Wilkins 49 and Meter ofWilkins 49 and Meter ofW/ Victaulic Model 702, Bypass of Ningbo Ball Valves (Wilkins 855-QT) -W/ Victaulic Model 702, Bypass of Ningbo Ball Valves (Wilkins 855-QT) -W/ Victaulic Model 702, Bypass of Ningbo Ball Valves (Wilkins 855-QT) -Model 25 at and Meter ofModel 25 at and Meter ofModel 25 Wilkins 49Model 25 Wilkins 49Model 25 Badger 3/4" x 5/8" Model 25Model 25 Badger 3/4" x 5/8" Model 25Model 25 Badger 3/4" x 5/8" Model 25Model 25 Badger 3/4" x 5/8" Model 25Model 25 Badger	(LF)774X-DCDA(SR)				
Vertical Down & Vertical Up w/ Walts Regulator 409 RW OS & Yw/ Wilkins Model 48, Clow Model 2638, 2640, Victaulic Model 702, Bypass of Ningbo Ball Valves (Wilkins 855-QT) - 3/4" and Meter of Badger 3/4" x 5/8" Model 25 Issued: 5/19/2016Amended: 4/25/2018Amended: 4/25/2018& Kennedy KS II Gate Valves (Wilkins 855-QT) - 3/4" and Meter of Badger 3/4" x 5/8" Model 25 Issued: 5/5/2011Amended: 4/25/2018& Kennedy KS II Gate Valves (Vilkins 855-QT) - 3/4" and Meter of Badger 3/4" x 5/8" Model 25 Issued: 5/5/2011Amended: 4/25/2018& Kennedy KS II Gate Valves (Vilkins 855-QT) - 3/4" and Meter of Badger 3/4" x 5/8" Model 25 Issued: 5/5/2011Amended: 4/25/2018& Kennedy KS II Gate Valves (Vilkins 825-QT) - 3/4" and Meter of Badger 3/4" x 5/8" Model 25 Issued: 5/5/2011Amended: 4/25/2018& Kennedy KS II Gate Valves (Vilkins 48 Size: 10" Orientation: Horizontal - Vertical Up W/ Wilkins 48 gate Valves, Wilkins 48 gate valves, Wilkins 48 gate valves, Wilkins 48 gate valves, Wilkins 48 gate valves, Wilkins 49Wilkins 48 gate valves (Wilkins 855-QT) - 3/4" and Meter of Size: 6"Amended: 4/25/2018 Amended: 4/17/2007, Vertical Up W/ Wilkins 855-QT) -& Kennedy KS II Gate Vertical Up W/ Wilkins 48 gate Valves (Wilkins 48 gate valves, Wilkins 49Model 2638, 2640, Vertical Up W/ Wilkins 855-QT) -Amended: 4/17/2007, Vertical Up W/ Wilkins 855-QT) -& Wilkins 48 Size: 10"& Wilkins 48 Size: 10"& Wilkins 48 Size: 10"& Wilkins 48 Size: 10"Wilkins 48 valves, Wilkins 49Wilkins 48 valves, Wilkins 855-QT) - 3/4" and Meter ofWilkins 855-QT) - Vertical Up W/ Wilkins 8					
& Vertical Up w/ Watts Regulator 409 RW OS & YClow Model 2638, 2640, Victaulic Model 702, Bypass of Ningbo Ball Valves (Wilkins 855-QT) - 3/4" and Meter of Badger 3/4" x 5/8" Model 25 Jarmanded: 5/19/2016Valves (Wilkins 855-QT) - 3/4" and Meter of Badger 3/4" x 5/8" Model 25 Issued: 5/5/2011Apollo Valves / Conbraco Industries Revision: 2005 Model: 350ASTDA Size: 10"Valves or Apollo Model GV gate valve Issued: 4/17/2007, 1/30/2008, 1/20/2011, 7/22/2015Wilkins / A Division of Zurn Model: 350ASTDA Size: 10"Wilkins 48 gate valves, Wilkins 48 gate valves, Wilkins 48 gate valves, Wilkins 48 gate valves, Wilkins 48 gate valves, Wilkins 48 gate valves, Wilkins 48 gate valves, Wilkins 48 gate valves, Wilkins 48 gate valves, Wilkins 48 gate valves, Wilkins 49Valves (Wilkins 855-QT) - 3/4" and Meter of Badger 3/4" x 5/8" Model 25 Issued: 5/5/2011Valves (Wilkins 855-QT) - 3/4" and Meter of Badger 3/4" x 5/8" Model 25 Issued: 5/5/2011Valves (Wilkins 855-QT) - 3/4" and Meter ofValves or Apollo Model GV gate valve Vertical Up w/ Wilkins Model 48, Clow Model 2638, 2640, Victaulic Model 702, Bypass of Ningbo Ball Valves (Wilkins 855-QT) -Valves or Apollo Model Size: 10"Valves or Apollo Model GV gate valve Issued: 1/15/2001Wilkins / A Division of Zurn Model: 350ASTDA Size: 10"Wilkins 48 gate valves, Wilkins 48 gate valves, Wilkins 48 gate valves, Wilkins 49Revision: 2001 Wilkins 855-QT) -Nodel: 2638, 2640, Victaulic Model 702, Sy4" and Meter of Size: 10"Valves or Apollo Model Orientation: Horizontal - Vertical Up W/Wilkins 855-QT) -Valves or Apollo Model Size: 10"V					
Regulator 409 RW OS & YVictaulic Model 702, Bypass of Ningbo Ball Valves (Wilkins 855-QT) - 3/4" and Meter of Badger 3/4" x 5/8"3/4" and Meter of Badger 3/4" x 5/8"Apollo Valves / Conbraco Industries Revision: 2005 Model: DCDA4S Size: 10"GV gate valve Issued: 4/17/2007, 1/30/2008, 1/20/2011, Model: 25 Size: 10"Wilkins / A Division of Zurn Revision: 2011 Model: 350ASTDA Size: 10"Wilkins / A Division of Badger 3/4" x 5/8" Model 25Size: 6" Orientation: Horizontal - Vertical Up W/Wilkins 48 gate valves, Wilkins 48 gate valves, Wilkins 48 gate valves, Wilkins 48 gate valves, Wilkins 48 gate valves, Wilkins 49Revision: 2011 Model: 350ASTDA Size: 6"Revision: 2011 Model: 350ASTDARApollo Valves / Conbraco Industries Revision: 2005 Model: DCDA4S Size: 10"GV gate valve Issued: 4/17/2007, 1/30/2008, 1/20/2011, Model: 350ASTDARWilkins 48 gate valves, Wilkins 48 gate valves, Wilkins 49Revision: 101 W/Wilkins 855-QT) - 3/4" and Meter ofSize: 6" Orientation: Horizontal - Vertical Up W/Wilkins 855-QT) - 3/4" and Meter ofApollo Valves / Conbraco Industries Revision: 2005 Wodel: 25/2011GV gate valve Issued: 1/15/2001 Model: 350ASTDA Size: 10"Wilkins 48 gate valves, Wilkins 48 gate valves, Wilkins 49Wilkins 48 gate valves (Wilkins 855-QT) - 3/4" and Meter ofApollo Valves / Conbraco Industries Revision: 2005 Wodel: 25/2011GV gate valve Issued: 1/15/2001 Amended: 4/17/2007, 1/30/2008, 1/20/2011, 7/22/2015GV gate valve Issued: 1/15/2001 Amended: 4/17/2007, 1/30/2008, 1/20/2011, 7/22/2015GV gate valve Issued: 1/15/2001 Amended:		w/ Wilkins Model 48,		Amended: 4/25/2018	
YBypass of Ningbo Ball Issued: 8/1/1997 Amended: 5/19/2016Bypass of Ningbo Ball Valves (Wilkins 855-QT) - 3/4" and Meter of Badger 3/4" x 5/8" Model 25 Issued: 5/5/2011Badger 3/4" x 5/8" Model 25 Issued: 5/5/2011Conbraco Industries Revision: 2005 Model: DCDA4S Size: 10"Issued: 1/15/2001 Amended: 4/17/2007, 1/30/2008, 1/20/2011, 7/22/2015Wilkins / A Division of Zurn Revision: 2011 Model: 350ASTDA Size: 10"Badger 3/4" x 5/8" Model 25 Issued: 5/5/2011Badger 3/4" x 5/8" Model 25 Issued: 5/5/2011Conbraco Industries Revision: 2005 Model: DCDA4S Size: 10"Issued: 1/15/2001 Amended: 4/17/2007, 1/30/2008, 1/20/2011, 7/22/2015Wilkins / A Division of Zurn Model: 350ASTDA Size: 10"Revision: 2011 Model: 350ASTDA Size: 8"Revision: 2011 Model: 350ASTDA Size: 8"Conbraco Industries Revision: 2005 Model: DCDA4S Vertical Up W/Kennedy KS II Gate Vertical Up W/Wilkins 48 gate valves, Wilkins 49Issued: 1/15/2001 Model 2638, 2640, Victaulic Model 702, Bypass of Ningbo Ball Valves (Wilkins 855-QT) -Conbraco Industries Revision: 2005 W/Kennedy KS II Gate Valves or Apollo Model GV gate valve Issued: 1/15/2001 Amended: 4/17/2007, 1/30/2008, 1/20/2011, 7/22/2015Issued: 1/15/2001 Model: 350ADA & Size: 10"Vertical Up valves, Wilkins 48 gate valves, Wilkins 49Wilkins 48 gate valves (Wilkins 855-QT) - 3/4" and Meter ofConbraco Industries Revision: 2005 W/Kennedy KS II Gate Valves or Apollo Model GV gate valve I/30/2008, 1/20/2011, 7/22/2015Issued: 1/15/2001 Model: 350ADA & Size: 10"			Valves (Wilkins 855-Q1) -		
Issued: 8/1/1997 Amended: 5/19/2016Valves (Wilkins 855-QT) - 3/4" and Meter of Badger 3/4" x 5/8" Model 25 Issued: 5/5/2011Model 25 Issued: 5/5/2011Revision: 2005 Model: DCDA4S Size: 10"Amended: 4/17/2007, 1/30/2008, 1/20/2011, 7/22/2015Wilkins / A Division of Zurn Revision: 2011 Model: 350ASTDA Size: 10"Issued: 5/5/2011 Model: 350ASTDA Size: 6"Revision: 2011 Model: 350ASTDA Size: 6"Revision: 2011 Model: 350ASTDA Size: 6"Revision: 2011 Model: 350ASTDA Size: 6"Revision: 2011 Model: 350ASTDA Vertical Up W/Wilkins 48 gate Vertical Up W/Wilkins 48 gate Vertical Up W/Wilkins 48 gate Vertical UpRevision: 2011 Wilkins 48 gate Vertical Up W/Wilkins 48 gate Vertical Up W/Wilkins 48 gate Vertical Up W/Wilkins 48 gate Vertical Up W/Wilkins 48 gate Vertical Up W/Wilkins 48 gate Vertical Up W/Wilkins 48 gate Vertical Up W/Wilkins 48 gate Vertical Up W/Wilkins 48 gate Vertical Up W/Wilkins 48 gate W/Wilkins 48 gate Vertical Up W/Wilkins 48 gate Vertical Up W/Wilkins 48 gate W/Wilkins 49Model 25 Size: 6" Wilkins 855-QT) - 3/4" and Meter ofRevision: 2005 Wodel 2638, 2640, Vertical Up W/Wilkins 48 gate Vertical Up W/Wilkins 48 gate W/Wilkins 49Amended: 4/17/2007, Victaulic Model 702, Bypass of Ningbo Ball Valves (Wilkins 855-QT) -Revision: 2005 Model: 4/17/2007, Victaulic Model 702, Model: 4/17/2007, Victaulic Model 702, W/Wilkins 950XL (bypass) & WilkinsAmended: 4/17/207, Vertical Up W/¾" Wilkins 950XL (bypass) & Wilkins			3/4" and Meter of		
Amended: 5/19/20163/4" and Meter of Badger 3/4" x 5/8" Model 25 Issued: 5/5/2011Issued: 5/5/2011Model: DCDA4S Size: 10" Orientation: Horizontal - Vertical Up W/Wilkins 48 gate valves, Wilkins 491/30/2008, 1/20/2011, 7/22/2015Wilkins / A Division of Zurn Revision: 2011 Model: 350ASTDA Size: 10"3/4" and Meter of Badger 3/4" x 5/8" Model 25 Issued: 5/5/2011Issued: 5/5/2011 Model: 350ASTDARModel: DCDA4S Size: 10" Orientation: Horizontal - Vertical Up W/Wilkins 48 gate Vertical Up1/30/2008, 1/20/2011, 7/22/2015Wilkins / A Division of Vertical Up W/Wilkins 48 gate valves, Victaulic 702, Clow modelRevision: 2011 Nodel: 350ASTDA Size: 8"Nodel: 350ASTDA Size: 6" Orientation: Horizontal - Vertical Up W/Wilkins 48 gate valves, Wilkins 49Model: 100 Nodel: 25/2011 Nodel: 350ASTDAR Size: 6"Model: 2011 Nodel: 350ASTDA Size: 6" Orientation: Horizontal - Vertical Up W/Wilkins 48 gate Vertical UpModel: 350ASTDA Size: 10"Model: 350ASTDA Size: 10" Orientation: Horizontal - Vertical Up W/Wilkins 48 gate Valves (Wilkins 855-QT) - 3/4" and Meter ofModel: 2011 Nodel: 2011 Nodel 203, 2640, Nodel 203, 2640, Nodel 203, 2640, Nodel 2012Model: 2005 Nodel Size: 10" Orientation: Horizontal - Vertical Up W/Wilkins 49Nodel: 30ADA & Size: 10" Orientation: Horizontal - Vertical Up Valves (Wilkins 855-QT) -Nodel: 2005 Nodel Nodel 2012, Nodel 203, 2640, Nodel 2012, Nodel 203, 2640, Nodel 2012, Nodel 2012, Nodel 2012, Nodel 2012, Nodel 2012, Nodel 2012, Nodel 2012, Nodel 2012, Nodel 2012, Nodel 2012, Nodel 2012, Nodel 20	-				
Wilkins / A Division of Zurn Revision: 2011 Model: 350ASTDA Size: 10"Badger 3/4" x 5/8" Model 25 Issued: 5/5/2011 Amended: 8/15/2012Revision: 2011 Model: 350ASTDARSize: 10" Orientation: Horizontal - Vertical Up W/Wilkins 48 gate valves, Wilkins 49Size: 10" Orientation: Horizontal - Vertical Up W/Wilkins 855-QT) -Size: 10" Orientation: Horizontal - Vertical Up W/Wilkins 48 gate Vertical UpSize: 10" Orientation: Horizontal - Vertical Up W/Wilkins 48 gate W/Wilkins 48 gate W/Wilkins 48 gate W/Wilkins 48 gate Vertical UpBadger 3/4" x 5/8" Model: 25 Size: 2011 Wilkins Model: 350ASTDA W/Wilkins Model 48, Clow Model 2638, 2640, Victaulic Model 702, Bypass of Ningbo Ball Valves (Wilkins 855-QT) -Size: 10" Orientation: Horizontal - Vertical Up W/Wilkins 49Size: 10" Orientation: Horizontal - Vertical Up W/Wilkins 855-QT) -Size: 10" Orientation: Horizontal - Vertical Up W/Wilkins 49Size: 10" Orientation: Horizontal - Vertical Up W/Wilkins 855-QT) -Size: 10" Orientation: Horizontal - Vertical Up W/¾" Wilkins 950XL (bypass) & Wilkins		Valves (Wilkins 855-QT) -			
Wilkins / A Division of ZurnModel 25 Issued: 5/5/2011Revision: 2011 Model: 350ASTDAOrientation: Horizontal - Vertical Up W/Wilkins 48 gate valves, Wilkins 49Model 25 Issued: 5/5/2011Revision: 2011 Model: 350ASTDAROrientation: Horizontal - Vertical Up W/Wilkins 48 gate Valves, VictaulicWilkins 48 gate Vertical Up W/Wilkins 48 gate Vertical UpOrientation: Horizontal - Vertical Up W/Wilkins 48 gate Valves, Wilkins 49Orientation: Horizontal - Vertical Up W/Wilkins 48 gate Valves (Wilkins 48 gate Vertical UpOrientation: Horizontal - Vertical Up W/Wilkins 48 gate Valves, Wilkins 49Wilkins 48 gate Vertical Up Valves (Wilkins 855-QT) - 3/4" and Meter ofOrientation: Horizontal - Vertical Up Vertical Up Vertical Up W/Wilkins 48 gate Valves, Wilkins 49Orientation: Horizontal - Vertical Up Vertical Up Vertical Up Valves (Wilkins 855-QT) -Orientation: Horizontal - Vertical Up Vertical Up W/%" Wilkins 950XL (bypass) & Wilkins	Amended: 5/19/2016		Issued: 5/5/2011	Model: DCDA4S	
ZurnIssued: 5/5/2011Model: 350ASTDARVertical UpWilkins / A Division ofRevision: 2011Amended: 8/15/2012Size: 6"w/Kennedy KS II GateZurnModel: 350ASTDASize: 10"Revision: 2011Vertical UpW/Kennedy KS II GateNodel: 350ASTDASize: 10"Revision: 2011Vertical UpGV gate valveModel: 350ASTDA &Size: 3"Size: 8"Size: 8"Size: 8"Size: 8"Size: 8"Clow Model 2638, 2640,Amended: 4/17/2007,Size: 10"Size: 10"Size: 10"Size: 10"Size: 10"Orientation: Horizontal -Vertical UpVictaulic Model 702,J/30/2008, 1/20/2011,Size: 10"Orientation: Horizontal -Vertical UpV/%'' Wilkins 950XLVictaulic Model 702,Victaulic Model 702,Victaulic Model 702,Victaulic Model 702,Vertical UpVertical UpVertical UpVictaulic Model 702,Victaulic Model 702,Victaulic Model 702,Victaulic Model 702,Victaulic Model 702,Victaulic Model 702,Victaulic Model 702,Victaulic Model 702,Victaulic Model 702,Victaulic Model 702,Victaulic Model 702,Victaulic Model 702,Victaulic Model 702,Victaulic Model 702,Victaulic Model 702,Victaulic Model 702,Victauli	Milling / A Division of		Devision: 2011		//22/2015
Revision: 2011 Model: 350ASTDA Size: 10"Amended: 8/15/2012Size: 6" Orientation: Horizontal - Vertical Upw/Kennedy KS II Gate Valves or Apollo Model GV gate valve Issued: 1/15/2001Zurn Revision: 2005 Model: 350ADA & Size: 8"Orientation: Horizontal - Vertical Up w/ Wilkins 48 gate valves, Wilkins 49Revision: 2011 Model: 350ASTDA Size: 8"Vertical Up W/ Wilkins Model 48, Clow Model 2638, 2640, Victaulic Model 702, Bypass of Ningbo Ball Valves (Wilkins 855-QT) - 3/4" and Meter ofw/Kennedy KS II Gate Valves or Apollo Model GV gate valve Issued: 1/15/2001 Amended: 4/17/2007, 1/30/2008, 1/20/2011, 7/22/2015Zurn Revision: 2005 Model: 350ADA & Size: 10" Orientation: Horizontal - Victaulic Model 702, Bypass of Ningbo Ball 3/4" and Meter ofw/Kennedy KS II Gate Valves or Apollo Model GV gate valve Issued: 1/15/2001 Amended: 4/17/2007, 1/30/2008, 1/20/2011, 7/22/2015Zurn Revision: 2005 Model: 350ADA & Size: 10" Orientation: Horizontal - Vertical Up W/¾" Wilkins 950XL (bypass) & Wilkins					Willing (A Division of
Model: 350ASTDA Size: 10"Revision: 2011Orientation: Horizontal - Vertical UpValves or Ápollo Model GV gate valveRevision: 2005 Model: 350ADA & Size: 350ADA & Size: 8"Vertical Up vertical Up valves, Wilkins 48 gate 702, Clow modelModel: 350ASTDA Size: 8"Orientation: Horizontal - Vertical Up Vilkins 48 gate valves, Wilkins 48 gate valves, Wilkins 48 gate valves, Wilkins 48 gateOrientation: Horizontal - Vertical Up Victaulic Model 2638, 2640, Bypass of Ningbo Ball Valves (Wilkins 855-QT) - 3/4" and Meter ofValves or Ápollo Model GV gate valve Issued: 1/15/2001 1/30/2008, 1/20/2011, 7/22/2015Revision: 2005 Model: 350ADA & Size: 10" Orientation: Horizontal - Vertical Up W/¾" Wilkins 950XL (bypass) & Wilkins			Size: 6"		
Size: 10"Revision: 2011Vertical UpGV gate valveModel: 350ADA &Orientation: Horizontal - Vertical UpModel: 350ASTDA Size: 8"w/ Wilkins Model 48, Clow Model 2638, 2640, Victaulic Model 702, Bypass of Ningbo Ball Valves, VictaulicGV gate valve Issued: 1/15/2001 Amended: 4/17/2007, 1/30/2008, 1/20/2011, 7/22/2015Model: 350ADA & Size: 10"Vertical Up valves, VictaulicOrientation: Horizontal - Vertical Up w/ Wilkins 48 gate valves, Wilkins 49Vertical Up Vertical Up Size: 10"Model: 350ADA & Size: 10"Vertical Up valves, VictaulicVertical Up valves, Wilkins 48 gate valves, Wilkins 49Vertical Up Size: 3/4" and Meter ofModel: 350ADA & Size: 10"		Amenueu: 8/15/2012	Oriontation: Horizontal		
Orientation: Horizontal - Vertical UpModel: 350ASTDA Size: 8"w/ Wilkins Model 48, Clow Model 2638, 2640, Victaulic Model 702, Bypass of Ningbo Ball Valves, VictaulicIssued: 1/15/2001 Amended: 4/17/2007, 1/30/2008, 1/20/2011, 7/22/2015350ADAR Size: 10"Orientation: Horizontal - valves, Wilkins 49Orientation: Horizontal - Vertical Up w/ Wilkins 48 gate valves, Wilkins 49W/ Wilkins Model 48, Clow Model 2638, 2640, Victaulic Model 702, Bypass of Ningbo Ball Valves (Wilkins 855-QT) - 3/4" and Meter ofIssued: 1/15/2001 Amended: 4/17/2007, 1/30/2008, 1/20/2011, 7/22/2015350ADAR Size: 10" Orientation: Horizontal - Vertical Up w/ ¾" Wilkins 950XL (bypass) & Wilkins		Povision: 2011			
Vertical Up w/Wilkins 48 gate valves, Wilkins 49Size: 8"Clow Model 2638, 2640, Victaulic Model 702, Bypass of Ningbo Ball Valves (Wilkins 855-QT) - 3/4" and Meter ofAmended: 4/17/2007, 1/30/2008, 1/20/2011, 7/22/2015Size: 10"Vertical Up valves, Victaulic valves, Wilkins 49Orientation: Horizontal - Vertical Up valves, Wilkins 48 gate valves, Wilkins 49Victaulic Model 702, Bypass of Ningbo Ball Valves (Wilkins 855-QT) - 3/4" and Meter ofAmended: 4/17/2007, 1/30/2008, 1/20/2011, 7/22/2015Size: 10" Orientation: Horizontal - Vertical Up w/¾" Wilkins 950XL (bypass) & Wilkins					
w/ Wilkins 48 gate valves, Wilkins 49Orientation: Horizontal - Vertical UpVictaulic Model 702, Bypass of Ningbo Ball Valves (Wilkins 855-QT) -1/30/2008, 1/20/2011, 7/22/2015Orientation: Horizontal - Vertical Up w/¾" Wilkins 950XL (bypass) & Wilkins702, Clow modelOrientation: Horizontal - Vertical Up valves, Wilkins 49Victaulic Model 702, Bypass of Ningbo Ball 3/4" and Meter of1/30/2008, 1/20/2011, 7/22/2015Orientation: Horizontal - Vertical Up w/¾" Wilkins 950XL (bypass) & Wilkins		Size 8"			530ADAR Size: 10"
valves, Wilkins 49Vertical UpBypass of Ningbo Ball7/22/2015Vertical Upbutterfly valves, Victaulicw/ Wilkins 48 gateValves (Wilkins 855-QT) -w/ ¾" Wilkins 950XL702, Clow modelvalves, Wilkins 493/4" and Meter of(bypass) & Wilkins		Orientation: Horizontal		1/20/2009 1/20/2011	
butterfly valves, Victaulicw/ Wilkins 48 gateValves (Wilkins 855-QT) -w/ ¾" Wilkins 950XL702, Clow modelvalves, Wilkins 493/4" and Meter of(bypass) & Wilkins				7/22/2015	
702, Clow model valves, Wilkins 49 3/4" and Meter of (bypass) & Wilkins				,,22,2013	
		valves Wilkins 49			
				I	

Model 48 Gate Valve, Clow R/W F6136 Gate Valve or Victaulic 702 Butterfly Valve Bisued: 6/1/2001 Amended: 10/27/2007, 10/14/2008, 1/26/2010 Amended: 10/27	 Model: 350DA Size: 8" orientation: Horizontal- Vertical Up s 950XL Model: 48 Gate Valve, 950XLTDABFS Size: 2 inch Size: 2 inch Size: 2 inch Size: 2 inch Size: 2 inch Size: 2 inch Size: 2 inch Size: 2 inch Size: 2 inch Size: 2 inch SouttDABFS Size: 2 inch Size: 2 inch Size: 2 inch Size: 2 inch Size: 2 inch Size: 2 inch Size: 2 inch Size: 2 inch Size: 2 inch Size: 2 inch Size: 2 inch Size: 2 inch Size: 2 inch Size: 2 inch Size: 2 inch Size: 10" Soutterfly Valve, Wilkins Size: 10" Model: 450DA Size: 10" Model: 450DA Size: 10" Soutt boom w/*" Wilkins Souxt bage 5/8" by 3/4" model 25LL Souxt Ball Valves - QT and meter Badger 5/8" by 3/4" model 25LL Souxt Ball Valves - QT and meter Badger 5/8" by 3/4" model 25LL Souxt Ball Valves - QT and meter Badger 5/8" by 3/4" model 25LL Souxt DABFSS w/Wilkins 2" Model 49 Buttefly Valve, Wilkins Yalves - QT and meter Badger 5/8" by 3/4" model 25LL Souxt DABFSS Wilkins 4" model: 11/4/2008, Yalves - QT and meter Badger 5/8" by 3/4" model 25LL Souxt TDABFS Wilkins 4" model 25LL Sued: 3/15/2004 Amended: 11/4/2008, Yalves - QT and meter Badger 5/8" by 3/4" model 25LL Sued: 3/15/2004 Amended: 11/4/2008,
---	---

Ayrlett, LLC	LaSalle Bristol	696-11P, 696-12A, 696-	Ayrlett, LLC	Hajoca (MAINLINE [®] &
Revision: 2009	Revision: 2009	12P	Revision: 2009	BRIGADE™) c/o IPS Corp
Model: A4 MAX (500 DFU)	Model: Utopia LB250-11 Issued: 5/25/2016	Issued: 3/11/2010 Amended: 1/19/2011,	Model: A4 MAX (500 DFU)	Revision: 2009 Model: Maxi-Vent
Issued: 10/20/2008	1350Ed: 5/25/2010	12/16/2011	Issued: 10/20/2008	Size: 3" & 4"
Amended: 2/22/2010	Revision: 2009		Amended: 2/22/2010	Issued: 9/15/2008
	Model: Utopia LB250-12	Studor Ltd.		Amended: 2/22/2010,
Contractor Sales	Issued: 5/25/2016	Revision: 2009	Revision: 2009	12/16/2011
Revision: 2009 Model: Quick Vent	Oatey Company	Model: Maxi-Vent Size: 3" & 4"	Model: AB Size: 1-1/2 & 2 inch	Revision: 2009
FA1520	Revision: 2009	Push-Fit Rubber	PVC (part no. P50 & PT-	Model: Mini-Vent
Size: 1 1/2" & 2"	Model: Sure Vent 3" x	Connector	300), ABS (part no. A55	Size: 1 1/2" & 2"
Issued: 6/8/2010	4" (500 DFU*) Size: 3 inch	Issued: 3/26/1993 Amended: 3/5/2013	& AT-500), Fire retardant	Issued: 9/15/2008 Amended: 2/22/2010,
Ferguson PROFLO [®] c/o	*Represents max DFU's	Amended: 3/3/2013	Issued: 1/6/1999	12/16/2011
Oatey Company	for 4" drain pipe when	Revision: 2009	Amended: 12/8/2005,	
Revision: 2009	installed in stacks with	Model: Mini Vent	4/6/2006, 2/22/2010,	Revision: 2009
Model: PROFLO - 160DFU	greater than 3 branch intervals, 3" max 24	Size: 1-1/2" & 2" Issued: 3/26/1993	10/7/2010, 12/8/2010	Model: Redi-Vent Size: 1 1/2" & 2"
Size: 2"	DFU's	Amended: 10/1/1993,	Canplas Industries Ltd.	Issued: 9/15/2008
Issued: 12/2/2010	Issued: 9/29/2004	11/24/2003, 3/1/2006,	Revision: 2009	Amended: 2/22/2010,
Devision 2000	Amended: 2/22/2010	9/19/2008, 2/22/2010	Model: PermOseal -	12/16/2011
Revision: 2009 Model: PROFLO - 24DFU	Revision: 2009	Revision: 2009	112011 (ABS) & 212011 (PVC)	LaSalle Bristol
Size: 2"	Model: Sure Vent 1.5" X	Model: Redi-Vent	Size: 1 1/2" & 2"	Revision: 2009
Issued: 12/2/2010	2"(24 DFU*)	Size: 1 1/2" & 2"	Issued: 7/23/2007	Model: Utopia LB250-11
Revision: 2009	Size: 2 Inch *Represents max DFU's	AAV Tee Redi-Vent Air Admittance Valve with	Amended: 2/22/2010	Issued: 5/25/2016
Model: PROFLO -	for 2" when installed in	Tubular Adapter	Contractor Sales	Revision: 2009
500DFU	stacks with greater than	Issued: 4/21/2011	Revision: 2009	Model: Utopia LB250-12
Size: 3"	3 branch intervals, 1.5"		Model: Quick Vent	Issued: 5/25/2016
Issued: 12/2/2010	max 8 DFU's Issued: 9/29/2004	Revision: 2009 Model: Tec Vent	FA1520 Size: 1 1/2" & 2"	Oatey Company
Revision: 2009	Amended: 7/5/2007,	Size: 1 1/2" & 2"	Issued: 6/8/2010	Revision: 2009
Model: PROFLO - 8DFU	2/22/2010	Issued: 4/5/2011		Model: Sure Vent 3"
Size: 1 1/2"	D	Amended: 10/28/2011	Ferguson PROFLO [®] c/o	(500 DFU)
Issued: 12/2/2010	Revision: 2009 Model: Sure Vent 2"		Oatey Company Revision: 2009	Size: 3 inch 20 DFU Max
Frajon Valves, Inc.	(160 DFU*)	STANDARD #ASSE	Model: PROFLO -	Issued: 6/13/2000
Revision: 2009	Size: 2 inch	1051	160DFU	Amended: 8/1/2004,
Model: FA15	*Represents max DFU's	Individual and Branch	Size: 2"	2/22/2010
Size: 1 1/2" Issued: 4/21/2008	for 2" when installed in stacks with greater than	Type Air Admittance	Issued: 12/2/2010	Revision: 2009
Amended: 8/27/2009,	3 branch intervals	Valves for Sanitary Drainage Systems	Revision: 2009	Model: Sure-Vent 1.5"
2/22/2010	Issued: 9/29/2004	ASSE-2009	Model: PROFLO - 24DFU	(8 DFU)
Povision: 2000	Amended: 2/22/2010		Size: 2" Issued: 12/2/2010	Size: 1-1/2 inch 3 DFU Max
Revision: 2009 Model: FA1520	Revision: 2009	AB Durgo	Issued. 12/2/2010	Issued: 6/13/2000
Size: 1 1/2" & 2"	Model: Sure-Vent 1.5 (8	Revision: 2009 Model: BA 50-94	Revision: 2009	Amended: 8/1/2004,
Issued: 2/16/2009	DFU*)	Size: 1-1/2 inch	Model: PROFLO -	2/22/2010
Amended: 8/27/2009, 2/22/2010	Size: 1 1/2 inch *Represents max DFU's	Issued: 5/14/1993	500DFU Size: 3"	Revision: 2009
2/22/2010	for 1.5" when installed in	Amended: 9/1/1998,	Issued: 12/2/2010	Model: Sure-Vent 1.5" X
Hajoca (MAINLINE [®] &	stacks with greater than	4/24/2006, 11/3/2009, 2/22/2010		2" (24 DFU)
BRIGADE™) c/o IPS Corp Revision: 2009	3 branch intervals Issued: 9/29/2004	2,22,2010	Revision: 2009 Model: PROFLO - 8DFU	Size: 2 inch 6 DFU Max
Model: Maxi-Vent	Amended: 7/5/2007,	Revision: 2009	Size: 1 1/2"	Issued: 6/13/2000
Size: 3" & 4"	2/22/2010	Model: BA 90-74 Size: 3 inch	Issued: 12/2/2010	Amended: 8/1/2004,
Issued: 9/15/2008		Issued: 5/14/1993		2/22/2010
Amended: 2/22/2010, 12/16/2011	Sioux Chief Mfg. Co. Inc. Revision: 2009	Amended: 9/1/1998,	Frajon Valves, Inc. Revision: 2009	Revision: 2009
12/10/2011	Model: Turbo Vent	4/24/2006, 11/3/2009,	Model: FA15	Model: Sure-Vent 2"
Revision: 2009	(Includes: 250-11A (1	2/22/2010	Size: 1 1/2"	(160 DFU)
Model: Mini-Vent	1/2" ABS); 250-11P (1	Revision: 2009	Issued: 4/21/2008	Size: 2 inch
Size: 1 1/2" & 2" Issued: 9/15/2008	1/2" PVC); 250-12A (2" ABS); 250-12P (2" PVC);	Model: Durgo Jr.	Amended: 8/27/2009, 2/22/2010	6 DFU Max Issued: 6/13/2000
Amended: 2/22/2010,	250-11TW (1 1/2"); 250-	Size: 1-1/2"		Amended: 8/1/2004,
12/16/2011	11TB (1 1/2"), 250-11,	Issued: 6/22/1999 Amended: 11/3/2009,	Revision: 2009	2/22/2010
Rovision: 2000	250-12, 250-11A, 250-	2/22/2010	Model: FA1520	
Revision: 2009 Model: Redi-Vent	11AC, 250-11PC, 250- 12AC, 250-12PC, 250-		Size: 1 1/2" & 2" Issued: 2/16/2009	
Size: 1 1/2" & 2"	122AC, 250-121C, 250- 122AC, 250-122PC, 250-		Amended: 8/27/2009,	
Issued: 5/9/2011	122AB, 250-122PB, 250-		2/22/2010	
Amended: 12/16/2011	696122A, 250-696122P, 250-696R122A and 250-			
	696R122P, 696-11A,			
	,	1	1	1

RectorSeal, LLC Revision: 2009 Model: Magic Vent-Micro Vent 97400 w/o adapter Size: 1-1/2 inch Issued: 10/13/1998 Amended: 12/9/2005, 2/22/2010

Revision: 2009 Model: Magic Vent-Micro Vent 97405 w/ PVC adapters Size: 1-1/2 inch Issued: 10/13/1998 Amended: 12/9/2005, 2/22/2010

Revision: 2009 Model: Magic Vent-Micro Vent 97406 w/ ABS adapters Size: 1 1/2 inch Issued: 10/13/1998 Amended: 12/9/2005, 2/22/2010

Sioux Chief Mfg. Co. Inc. Revision: 2009 Model: Turbo Vent Includes: 250-11A (1 1/2" ABS); 250-11P (1 1/2" PVC); 250-12A (2" ABS); 250-12P (2" PVC); 250-11TW (1 1/2"); 250-11TB (1 1/2") 250-11, 250-12, 250-11A, 250-11AC, 250-11PC, 250-12AC, 250-12PC, 250-122AC, 250-122PC, 250-122AC, 250-122PC, 250-122AC, 250-122PC, 250-122AB, 250-122PC, 250-122AB, 250-122PC, 250-122AB, 250-122PC, 250-122AB, 250-122PC, 250-122AB, 250-122PC, 250-122AB, 250-122PC, 250-122AB, 250-122PC, 250-122AB, 250-122PC, 250-122AC, 250-122PC, 250-122AB, 250-122PC, 250-124B, 2

12/16/2011

Studor Ltd. Revision: 2009 Model: Maxi-Vent Size: 3" & 4" Issued: 10/2/1990 Amended: 3/5/2013

Revision: 2009 Model: Mini-Vent Size: 1-1/2" & 2" Issued: 10/2/1990 Amended: 10/1/1993, 11/24/2003, 9/19/2008, 2/22/2010, 3/5/2013

Revision: 2009 Model: Redi-Vent Size: 1-1/2" & 2" Issued: 10/2/1990 Amended: 3/5/2013 Revision: 2009 Model: Tec-Vent Size: 1-1/2" & 2" Issued: 10/2/1990 Amended: 3/5/2013

Revision: 2009 Model: Trap-Vent P/N 20395 Size: 1-1/4 and 1-1/2 Air Admittance Valve Issued: 8/31/2018

Valley Forge/Ayrlett Revision: 2009 Model: Valley Forge/Ayrlett 6 Size: 1 1/2", 2" PVC, ABS, Fire retardant FRV5 Issued: 10/18/2010

STANDARD #ASSE 1052 Hose Connection Backflow Preventers ASSE-2016

JAY R. SMITH MFG., CO. Revision: 2016 Model: 5515 / 5615 Size: 1/2" Issued: 9/19/2012

Revision: 2016 Model: 5519 Size: 3/4 inch Issued: 10/7/2002

Revision: 2016 Model: 5619 Size: 3/4 inch Issued: 10/7/2002

Woodford Mfg. Co. Revision: 2016 Model: 50 Size: 3/4" 3/4" Hose Thread Male/Female Issued: 1/31/2008

Zurn Industries, Inc. Revision: 2016 Model: Z1399-BFP Size: 3/4 inch Exemption from displaying the logo granted 01/19/2006 Issued: 12/1/2003 Amended: 10/12/2009

Revision: 2016 Model: Z1399XL-BFP Size: 3/4 inch Issued: 1/14/2019 Amended: 1/17/2019 Apollo Valves / Conbraco Industries Revision: 2004 Model: HBDUC Size: 3/4 inch Issued: 1/3/2000 Amended: 1/20/2011

PRIER Products, Inc. Revision: 2004 Model: P-004, P-004B, P-RH2 Size: 3/4" and 1" Hose Thread Outlets Includes the following models; P-RH2 Post Mount Roof Hydrant Issued: 11/1/2005 Amended: 7/27/2017

Watts Regulator Company Revision: 2004 Model: LFN9-CD Size: 3/4 inch Issued: 10/9/2014

Revision: 2004 Model: N9-CD Size: 3/4 inch Issued: 5/7/1996

Woodford Mfg. Co. Revision: 2004 Model: 37H - Inlet types HA, HF, HD2, HD1, HW, HWS Issued: 4/20/1994

STANDARD #ASSE 1053

<u>1033</u> Dual Check Backflow Preventer Wall Hydrants - Freeze Resistant Type ASSE-2004

Arrowhead Brass & Plumbing LLC Revision: 2004 Model: 410 Series (Includes: 412, 412NL, 413, 413NL, 414, 414NL, 415, 415NL, 416, 416NL, 418, 418NL, 419, 419NL) - 1/2" FIP x 3/4" MIP Issued: 4/7/2009 Amended: 6/9/2009

JAY R. SMITH MFG., CO. Revision: 2004 Model: 5515/5615 Size: 1/2" Inlet x 3/4" outlet Issued: 9/19/2012

Woodford Mfg. Co. Revision: 2004 Model: 30 w/ inlet options of C, CP, CP3, P, PX Issued: 6/24/2009 Revision: 2004 Model: 68 Size: 3/4" NPT Issued: 6/11/2015

<u>STANDARD #ASSE</u> 1055

Chemical Dispensing Systems ASSE-2009

Brightwell Dispensers

Revision: 2009 Model: Ecomix 2 Compact, Air-Gap Includes: DPC1L1H-WK/AG **ECOMIX 2 PRODUCT** COMPACT LOW/HIGH FLOW, AIR-GAP DPC1L1L-WK/AG ECOMIX 2 PRODUCT COMPACT LOW FLOW, AIR-GAP; DPC1H1H-WK/AG ECOMIX 2 PRODUCT COMPACT HIGH FLOW, AIR-GAP Issued: 10/22/2015

Revision: 2009 Model: Ecomix 2 Compact, Bright-Gap Includes: **DPC1L1H-WK ECOMIX 2 PRODUCT COMPACT** LOW/HIGH FLOW, BRIGHT-GAP; DPC1L1L-WK ECOMIX 2 PRODUCT COMPACT LOW FLOW, BRIGHT-GAP: **DPC1H1H-WKECOMIX 2** PRODUCT COMPACT HIGH FLOW, BRIGHTGAP Issued: 10/22/2015

Revision: 2009 Model: Ecomix Compact - Air Gap High & Low Flow

Issued: 4/2/2014 Amended: 2/3/2015

Revision: 2009 Model: Ecomix Compact - Bright Gap High & Low Flow

Issued: 4/2/2014 Amended: 2/3/2015

Revision: 2009 Model: Ecomix High & Low Flow Issued: 2/3/2015

Revision: 2009 Model: EcoMulti 5 Compact Air-Gap, High & Low Flow Includes: DXC4L1H-WK/AG ECOMULTI 5 PRODUCT

DXC4H1L-WK/AG ECOMULTI 5 PRODUCT COMPACT HIGH/LOW FLOW, AIR-GAP DXC4L1L-WK/AG ECOMULTI 5 PRODUCT COMPACT, LOW FLOW AIR-GAP; DXC4H1H-WK/AG ECOMULTI 5 PRODUCT COMPACT HIGH FLOW, AIR-GAP Issued: 7/1/2016 Revision: 2009 Model: EcoMulti 5 Compact Bright-Gap, High & Low Flow Includes: DXC4L1H-WK ECOMULTI **5 PRODUCT COMPACT** LOW/HIGH FLOW, **BRIGHT-GAP** DXC4H1L-WK ECOMULTI **5 PRODUCT COMPACT** HIGH/LOW FLOW, BRIGHT-GAP DXC4L1L-WK ECOMULTI 5 PRODUCT COMPACT, LOW FLOW BRIGHT-GAP; DXC4H1H-WK ECOMULTI **5 PRODUCT COMPACT HIGH FLOW, BRIGHT-**GAP. Issued: 4/2/2014

COMPACT LOW/HIGH

FLOW, AIR-GAP;

Revision: 2009 Model: EcoMulti Compact Bright-Gap, High & Low Flow Includes: DXC4H-WK ECOMULTI 4 PRODUCT COMPACT HIGH FLOW BRIGHT-GAP; DXC4L-WK ECOMULTI 4 PRODUCT COMPACT LOW FLOW, BRIGHT-GAP. Issued: 7/1/2016

Revision: 2009 Model: EcoMulti Compact, Air-Gap, High & Low Flow Includes: DXC4H-WK/AG ECOMULTI 4 PRODUCT COMPACT HIGH FLOW, AIR-GAP; DXC4L-WK/AG ECOMULTI 4 PRODUCT COMPACT LOW FLOW, AIR-GAP; Issued: 7/1/2016

Revision: 2009	Revision: 2009	Revision: 2009	7630071, 7630072) -	Revision: 2009
Model: EcoSink Double	Model: Ecolab Control	Model: Multiflex Series	Type B	Model: The models
(2 chemicals) Includes:	Tower IV Issued: 6/16/2004	88XXXX Issued: 11/28/2000	Issued: 9/25/1998	above may be followed
DS1HC1HC-S	Amended: 3/16/2010	Amended: 3/16/2010,	Amended: 3/16/2010	by the following suffixes: X X X X X X XX XX
(BrightGap);	, anendea: 3, 10, 2010	10/18/2012	Revision: 2009	The first three XXX
DS1HC1HC-S/AG	Revision: 2009		Model: MX100 Series -	indicate the number of
(AirGap)	Model: Ecolab Fill Point	Revision: 2009	Stainless	products
İssued: 9/13/2016 Amended: 12/21/2016	1 & Ecolab Fill Point 4 Issued: 6/16/2004	Model: QDV Series (Includes: 8440, 8441,	(P= Plastic; A = Air Gap; F = Flex Gap; S = Spout) -	The fourth X indicates the cover material
Amended: 12/21/2010	Amended: 3/16/2010	8442, 8443, 8420, 8422,	Type B	The fith X indicates
Revision: 2009		8423, 8424, 8425, 8428,	Issued: 9/25/1998	Airgap or Flex Gap
Model: EcoSink Dual (2	Revision: 2009	8430, 8432, 8433, 8434,	Amended: 3/16/2010	The sixth and seveth XX
chemicals) Includes:	Model: Ecolab Oasis Pro	8435, 8438)	Revision: 2009	indicate the flow rate
DS1HC1HH-S	4 Issued: 6/16/2004	Issued: 11/28/2000 Amended: 3/16/2010	Model: MX400 Series -	The eight and night XX
(BrightGap);	Amended: 3/16/2010	, intended: 3/10/2010	Stainless	indicates the Bottle or
DS1HC1HH-S/AG		Revision: 2009	(A = Air Gap; F = Flex	Bucket Fill Option
(AirGap)	Revision: 2009	Model: Sinkmaster	Gap; 2 = 2 Valve) - Type	Number of Dreduct
Issued: 9/13/2016 Amended: 12/21/2016	Model: Ecolab Quck Fill Pro I & Ecolabe Quck Fill	Series 88x1 & 88xAG Issued: 11/28/2000	B Issued: 9/25/1998	Number of Product 101 = 1 Product Mixing
Amended: 12/21/2010	Pro IV	133060. 11/28/2000	Amended: 3/16/2010	Station
Revision: 2009	Issued: 6/16/2004	Revision: 2009		102 = 2 Product Mixing
Model: EcoSink Single (1	Amended: 3/16/2010	Model: SMP	Revision: 2009	Station
chemical) Includes:	Revision: 2009	Issued: 11/28/2000 Amended: 3/16/2010	Model: MXH Series Issued: 9/25/1998	103 = 3 Product Mixing Station
DS1HC-S (BrightGap);	Model: Ecolab Select 4	Amended: 3/10/2010	1350eu. 9/23/1998	104 = 4 Product Mixing
DS1HC-S/AG (AirGap)	Issued: 6/16/2004	Revision: 2009	Revision: 2009	Station
Issued: 9/13/2016	Amended: 3/16/2010	Model: Streamline Series	Model: Sinkmate (SM)	401 = Dial 4 Product
Amended: 12/21/2016	Revision: 2009	8xx1 & 8xxAG-2 Issued: 11/28/2000	Series (A = Air Gap; F = Flex	Mixing Station 100 = Single Product Sink
Dema Engineering	Model: Ecolab Ultra 1	Amended: 3/16/2010	Gap; 100 = 1 product;	Dispenser
Revision: 2009	Issued: 6/16/2004		200 = 2 product - Type B	200 = Dual Product Sink
Model: 16-30	Amended: 3/16/2010	Revision: 2009	Issued: 9/25/1998	Dispenser
lssued: 1/14/2002 Amended: 3/16/2010	Hydro Systems Co.	Model: TaskMizer Series 48xx1 &48xx3	Amended: 1/7/2007, 3/16/2010	501 = 5 Product Mixing Station
Amended: 3/10/2010	Revision: 2009	Issued: 11/28/2000	5/10/2010	801 = 8 Product Mixing
Revision: 2009	Model: AccuDose Series	Amended: 3/16/2010		Station
Model: 163AG	38xx1 & 38xx AG-2			
Size: 3/4 inch Exemption from	Issued: 11/28/2000 Amended: 3/16/2010	Knight, LLC Revision: 2009		Cover Material P = Plastic Cover
displaying the seal	Amended: 3/10/2010	Model: Click & Clean		S = staintess Steel Cover
granted 10/20/2005	Revision: 2009	(CNC) Series		
Issued: 5/7/1999	Model: AccuMax 35xx1	(A = Air Gap; F= Flex		Air Gap/Flex Gap
Amended: 3/16/2010	& 35xxAG Issued: 9/21/2015	Gap; 100 = 1 product; 200 = 200 product)		A = Air Gap F = Flex Gap
Revision: 2009	135020. 372172013	Issued: 12/21/2011		T – Tiex Gap
Model: SL1	Revision: 2009			Flow rate option
Issued: 1/14/2002	Model: AccuPro Series	Revision: 2009		1 = 1GPM
Amended: 3/7/2013	39xx1 & 39xxAG Issued: 12/2/2009	Model: KP1H Center Daycon		4 = 4GPM 3 = 3GPM
Diversey	Amended: 3/16/2010	Issued: 3/29/2011		13 = 1GPM & 3GPM
Revision: 2009				14 = 1GPM & 4GPM
Model: Revoflow -	Revision: 2009	Revision: 2009		Dettile on Ducket Fill
5520558 Issued: 5/16/2014	Model: Command Center 4	Model: KP1H Complete Series		Bottle or Bucket Fill Option
	Issued: 12/2/2009	(7630161, 7630162,		Blank = Bottle fill
Revision: 2009	Amended: 3/16/2010	7630163, 7630164,		B = Bucket fill
Model: Revoflow Powder MDL	Revision: 2009	7630165, 7630166, 7630167, 7630168,		BB = Bottle & Bucket fill
Size: 3/8"	Model: JWP J-100	7630167, 7630168, 7630170,		Issued: 9/25/1998
Issued: 11/26/2008	Issued: 11/28/2000	7630171, 7630172,		
Amended: 7/27/2009,	Amended: 3/16/2010	7630182, 7630183,		Misco Products
3/16/2010, 8/10/2010	Revision: 2009	763015, 7629990, 7630154) - Type B		Revision: 2009 Model: PrecisionFlo
Ecolab, Inc.	Model: Maximizer Series	Issued: 9/25/1998		Disposable
Revision: 2009	28xx1 & 28xxAG-2	Amended: 9/20/2005,		Issued: 5/30/2018
Model: Ecolab Compac	Issued: 11/28/2000	2/7/2008, 3/16/2010		
B.A. & Ecolab Compac P.B.	Amended: 6/15/2009, 3/16/2010	Revision: 2009		
Issued: 6/16/2004	5, 10, 2010	Model: KP1H Series		
Amended: 3/16/2010		(7630061, 7630062,		
		7630063, 7630064,		
		7630065, 7630066, 7630067, 7630068,		
		7630069, 7630070,		

Pops Technologies LLC Revision: 2009 Model: 8007 (Quarter Turn Sink Dispenser) 3/4" NPHS Inlet, 1/4" Chemical Supply Barb Fitting, 1/2" Barb fitting outlet Issued: 12/1/2009 Amended: 3/16/2010, 12/8/2010 Revision: 2009 Model: Maintenance Free Dispensing System (MFDS) İssued: 12/1/2009 Seko SpA Revision: 2009 Model: DPB1A(Diluit Plus) -Includes:DPB1A04S, DPB1A16S Issued: 7/27/2012 Amended: 12/3/2018 Revision: 2009 Model: DPB1F(Diluit Plus)

Includes:DPB1F04S, DPB1F16S, DPB1F30S Issued: 7/27/2012 Amended: 12/3/2018

Revision: 2009 Model: DPB4A(Diluit Plus) -Includes:DPB4A04S, DPB4A16S Issued: 7/27/2012 Amended: 12/3/2018

Revision: 2009 Model: DPB4F(Diluit Plus) -Includes:DPB4F04S, DPB4F16S, DPB4F30S Issued: 7/27/2012 Amended: 12/3/2018

Revision: 2009 Model: DPS1A(Diluit Plus) -Includes:DPS1A04S Issued: 7/27/2012 Amended: 12/3/2018

Revision: 2009 Model: DPS2F(Diluit Plus) -Includes:DPS1F04S Issued: 7/27/2012 Amended: 12/3/2018

Revision: 2009 Model: DPS4A(Diluit Plus) -Includes:DPS4A04S Issued: 7/27/2012 Amended: 12/3/2018 Revision: 2009 Model: DPS4F(Diluit Plus) -Includes:DPS4F04S Issued: 7/27/2012 Amended: 12/3/2018

Revision: 2009 Model: PSK1A04UN000, PSK2A04UN000 PSK1A16UN000, PSK2A16UN000 Issued: 8/5/2015

Revision: 2009 Model: PSK1F04UN000, PSK1F16UN000; PSK2F04UN000; PSK2F16UN000 Issued: 8/5/2015

Revision: 2009 Model: PXB1A (Promax) Includes: PXB1A04U, PXB1A16U Issued: 7/27/2012

Revision: 2009 Model: PXB1F (Promax) Includes: PXB1F04U, PXB1F6U, PXB1F30U Issued: 7/27/2012

Revision: 2009 Model: PXB4A (Promax) Includes: PXB4A04U, PXB4A16U Issued: 7/27/2012

Revision: 2009 Model: PXB4F (Promax) Includes: PXB4F04U, PXB4F16U, PXB4F30U Issued: 7/27/2012

Revision: 2009 Model: PXS1A (Promax) Includes: PXS1A04U, PSX1A16U Issued: 7/27/2012

Revision: 2009 Model: PXS1F (Promax) Includes: PXS1F04U, PXS1F16U, PXS1F30U Issued: 7/27/2012

Revision: 2009 Model: PXS4A (Promax) Includes: PXS4A04U, PXS4A16U Issued: 7/27/2012

Revision: 2009 Model: PXS4F (Promax) Includes: PXS4F04U, PXS4F16U, PXS4F30U Issued: 7/27/2012 Sunburst Chemicals Revision: 2009 Model: AST5000 Size: 1/4" inlet & 5/8" vinyl discharge tube Issued: 5/23/2006 Amended: 6/9/2009, 3/16/2010

Revision: 2009 Model: P4C4000 Size: 1/4" inlet & 5/8" vinyl discharge tube Issued: 5/23/2006 Amended: 6/9/2009, 3/16/2010

Revision: 2009 Model: P4C5000E Size: 1/4" inlet & 5/8" vinyl discharge tube Uses 12VDC adapter Issued: 5/23/2006 Amended: 10/12/2012

Revision: 2009 Model: R2U4000 Size: 3/4 inch Issued: 4/10/2004 Amended: 8/4/2004, 10/5/2005, 2/14/2006, 11/13/2007, 2/24/2009, 3/16/2010

Revision: 2009 Model: R2U5000 Size: 3/4 inch Issued: 3/17/2005 Amended: 2/14/2006, 11/13/2007, 2/24/2009, 3/16/2010

Revision: 2009 Model: R2U6000 Size: 3/4 inch Ready To Use Dispenser Issued: 8/27/2015

Revision: 2009 Model: TTB5000 Size: 1/4" inlet & 5/8" vinyl discharge tube Issued: 5/23/2006 Amended: 6/9/2009, 3/16/2010 STANDARD #ASSE

Spill Resistant Vacuum Breaker ASSE-2013

Apollo Valves / Conbraco Industries Revision: 2013 Model: SVB4A, SVBLF4A Size: 1" A2 - w/ball valves (Standard), A4 - w/union end ball valves, F - SAE threaded test cocks (standard), LL - locking lever handles

Issued: 5/22/2017

Revision: 2013 Model: SVB4A, SVBLF4A Size: 3/4" A2 - w/ball valves (Standard), A4 - w/union end ball valves, F - SAE threaded test cocks (standard), LL - locking lever handles

Issued: 5/22/2017

Wilkins / A Division of Zurn Revision: 2013 Model: 460 & 460XL

Size: 1" Issued: 3/21/2006 Amended: 8/20/2012, 12/15/2017

Revision: 2013 Model: 460 & 460XL Size: 1/2" w/ FNPT connections Issued: 3/21/2006 Amended: 8/20/2012, 12/15/2017

Revision: 2013 Model: 460 & 460XL Size: 3/4" Issued: 3/21/2006 Amended: 8/20/2012, 12/15/2017

Revision: 2013 Model: 460 & 460XL Size: 3/8" w/ FNPT connections Issued: 3/21/2006 Amended: 8/20/2012, 12/15/2017

Apollo Valves / Conbraco Industries Revision: 2001 Model: SVB4W Size: 1/4" Issued: 11/8/1999 Amended: 7/16/2004, 1/20/2011 Revision: 2001 Model: SVB4W Size: 3/8" Issued: 11/8/1999 Amended: 7/16/2004, 1/20/2011

Revision: 2001 Model: SVB4W Size: 3/8" inlet x 1/2" outlet Issued: 11/8/1999 Amended: 7/16/2004, 1/20/2011

Watts Regulator

Company Revision: 2001 Model: Series 008 / LF008 Size: 1 inch With Options - PC (Polymer Coated), -QT (Quarter Turn), -SC (Satin Chrome) Issued: 3/22/1999 Amended: 2/21/2006, 11/23/2008, 2/19/2013

Revision: 2001 Model: Series 008 / LF008 Size: 1/2 inch With Options - PC (Polymer Coated), -QT (Quarter Turn), -SC (Satin Chrome) Issued: 3/22/1999 Amended: 2/21/2006, 11/23/2008, 2/19/2013

Revision: 2001 Model: Series 008 / LF008 Size: 3/4 inch With Options - PC (Polymer Coated), -QT (Quarter Turn), -SC (Satin Chrome) Issued: 3/22/1999 Amended: 2/21/2006, 11/23/2008, 2/19/2013

Revision: 2001 Model: Series 008 / LF008 Size: 3/8 inch With Options - PC (Polymer Coated), -QT (Quarter Turn), -SC (Satin Chrome) Issued: 3/22/1999 Amended: 2/21/2006, 11/23/2008, 2/19/2013

<u>STANDARD #ASSE</u>	Revision: 2012	construction; M-	Apollo Valves /	Revision: 2006
<u>1057</u> Freeze Resistant	Model: Y34-AG Size: 3/4" Female NPT	modular/all classes	Conbraco Industries Revision: 2006	Model: 301 33.5" x 16.5 x 26.5, 302 48 x 17 x
Sanitary Yard Hydrants	(7 ft. lengths.)		Model: ENC4AN1 &	27.5
with Backflow	Issued: 9/27/2005	Issued: 11/1/1998	ENC4AN1H	Issued: 9/9/2002
Protection ASSE-2012	Amended: 3/21/2013	Amended: 2/23/2016, 11/1/2017, 9/14/2018	Size: Largest size tested: 36" x 105" x 53"	G & C Enclosures, Inc.
AJJL-2012			Issued: 3/1/2016	Revision: 2006
Hoeptner Perfected	STANDARD #ASSE	Revision: 2017	ACRE Acquisition LLC	Model: Type A Lift Off
Products Revision: 2012	<u>1060</u>	Model: Flip Top Fiberglass (Includes: .75,	ASBE Acquisition, LLC dba AquaShield	Design Type (WS-1S,WS-2S,WS-
Model: #2131E, 2131RE,	Outdoor Enclosures for Fluid Conveying	1, 1T, 1.5, 2, 2T, 2S,	Revision: 2006	ÌFMYA,WS-2FMYA,WS-
2132E, 2133E, 2134E,	Components	2ST, PVB-1, PVB-2,	Model: BFP1-S & BFP2-S	2SNY-FM,WS-SP1,WS-
2135E, 2136E, 2137E Size: 3/4"	ASSÉ-2017	3000, 4000, 5000, 3N, 3E, AVG1824,	Size: Largest Size tested: 46 x 17 x 29	2UCZ,WS-FMYA/P,WS- SP1/P, WS-1S/CV) -
Issued: 5/24/2007	Hubbell Lenoir City, Inc.	AVG2036, AVG2041,	S- w/strainer	Class I, II, III
Amended: 3/21/2013,	Revision: 2017	AVG2240, AVG2248, AVG3648)	Issued: 10/25/2001 Amended: 5/16/2008,	Issued: 3/11/1998 Amended: 9/12/2006,
9/22/2016	Model: Aluminum	Size: Largest size tested:	10/13/2017, 12/10/2018	10/9/2008
Revision: 2012	(Includes: 2000AC, 2.5C, 2.75C, 3NC, 3ENC,	53" x 64" x 56"		
Model: Freeze Flow 213X-ADA	4000ANC, 4NC, 4EC,	Model Prefixes: HB- heat; LB- no heat; VG- no	Revision: 2006 Model: BFP-3, 4, 6, 8, 10	Revision: 2006 Model: Type B Single In-
Issued: 12/6/2001	4N, 4E, 6N, 6E, 8N, 8E, 10N, 10E, 10EDS,	insulation or heat; VCH-	N, NS, O, OS	Line
Amended: 3/21/2013	DF4FOL, DF4WOL,	heat (valve cover); VC-	Size: Largest Size tested:	(WS-3-NRS,WS-3-NRS-
Revision: 2012	DF6FOL, DF6WOL,	no heat (valve cover); VGVC- no insulation or	175 x 43 x 92 N-Non-Rising Stem, NS-	S,WS-3-OSY,WS-3-OSY- S,WS-4-NRS,WS-4-NRS-
Model: Freeze Flow	DF8FOL, DF8WOL, DF10FOL, DF10WOL,	heat (valve cover); M-	Non-Rising Stem	S,WS-4-OSY,WS-4-OSY-
213XS	4FE-AL, 6FE-AL, 8FE-AL,	Modular/all classes	w/Strainer, O-Outside	S,WS-6-NRS,WS-6-NRS- S,WS-6-OSY,WS-6-OSY-
lssued: 12/6/2001 Amended: 3/21/2013	10FE-AL, DF10FN,		Stem & Yoke, OS- Outside Stem & Yoke	S,WS-8-NRS,WS-8-NRS-
	DF4ZO, DF6ZO, DF8ZO, DF10ZN, DF10ZO)	Issued: 11/1/1998	w/Strainer	S,WS-8-OSY,WS-8-OSY-
Murdock Manufacturing	Size: Largest size tested:	Amended: 2/23/2016, 9/14/2018	Issued: 10/25/2001 Amended: 5/16/2008,	S,WS-10-NRS,WS-10- NRS-S,WS-10-OSY,WS-
Revision: 2012 Model: M-NP75	87" x 172" x 85" Model prefixes: HB-	5/14/2010	12/20/2016,	10-OSY-S) - Class I, II, III
Size: Size: 3/4 inch	heat; LB- no heat; DF-	Revision: 2017	10/13/2017, 12/10/2018	Issued: 3/11/1998
Issued: 9/20/2004 Amended: 3/14/2012,	durafold; M- modular/all	Model: Rocks (Includes: R.75, R1, R2, R3, R4FE,	Revision: 2006	Amended: 10/9/2008
3/21/2013	classes Model suffixes: N- nrs; E- osy; NS- nrs &	R4N)	Model: NBFP-4, 6, 8, 10	Revision: 2006
Povision: 2012	strainer; ES- osy &	Size: Largest size tested: 36" x 105" x 53"	N, O Size: Largest Size tested:	Model: Type C Single N- Pattern
Revision: 2012 Model: M-NPL75	strainer; D- Dual; H- heat; L- no heat	Model Prefixes: GH-heat	67 x 51 x 54	(WS-4RM-NRS, WS-4FM-
Size: Size: 3/4 inch		(fiberglass); GL- no heat	N-Non-Rising Stem, O-	OSY, WS-6FM-NRS, WS-
lssued: 9/20/2004 Amended: 2/4/2010,	Low all 11/1/1000	(fiberglass); VGGL- no insulation or heat	Outside Stem & Yoke Issued: 10/25/2001	6FM-OSY, WS-8FM-NRS, WS-8FM-OSY, WS-10FM-
2/10/2010, 3/21/2013	Issued: 11/1/1998 Amended: 2/23/2016,	(fiberglass); PH- heat	Amended: 5/16/2008,	NRS, WS-10FM-OSY, WS-
Woodford Mfg. Co	9/14/2018	(polyethylene); PL- no heat (polyethylene);	12/20/2016, 10/13/2017, 12/10/2018	1S/FA, WS-2S/FA, WS- 2SNY/FA, WS-4FM-OSY-
Woodford Mfg. Co. Revision: 2012	Povision: 2017	VGPL- no insulation or		UZ, WS-6FM-OSY-UZ,
Model: H34	Revision: 2017 Model: Designer	heat (polyethylene);	BF Products, Inc.	WS-4FM-OSY-FDC, WS-
Size: 1 inch NPT Issued: 5/25/2004	Fiberglass (Includes:	M-modular/all classes	Revision: 2006 Model: APD Series	4FM-OSY-UZ-FDC, WS- 6FM-OSY-FDC, WS-6FM-
Amended: 3/21/2013	4FEM, 6FEM, 8FEM, 10FEM)		Size: Largest Enclosure:	OSY-UZ-FDC, WS-8FM-
	Size: Largest size tested:	Issued: 11/1/1998 Amended: 2/23/2016,	112" x 71" x 31" Series includes: 112-	OSY-FDC, WS-10 FM- OSY-FDC, WS-8FM-OSY-
Revision: 2012 Model: S3	53" x 64" x 56" Model prefixes: HB-	9/14/2018	APD, 98-APD, 78-APD,	UZ, WS-8FM-OSY-UZ-
Size: 3/4 inch NPT	Model prefixes: HB- heat; LB- no heat; M-	Devision: 2017	65-ÁPD, 56N-APD, 45N-	FDC, WS-10FM-OSY-UZ,
Issued: 5/25/2004 Amended: 3/21/2013	modular/all classes	Revision: 2017 Model: Windbreaker A	APD, 322-APD, 232-APD, 371-APD, 271-APD, 191-	WS-10FM-OSY-UZ-FDC) - Class I, II, III
Amenaed. 3721/2013		Series (A30, A39, A41,	APD	Issued: 3/11/1998
Revision: 2012	Issued: 11/1/1998	A51)	Issued: 6/25/2001 Amended: 5/19/2010	Amended: 10/9/2008
Model: S4H Size: 3/4 inch NPT	Amended: 2/23/2016,		Amenueu. 5/19/2010	Revision: 2006
Issued: 5/25/2004	9/14/2018		Dekorra Products LLC	Model: Type D Dual N
Amended: 3/21/2013	Revision: 2017	Issued: 11/1/1998 Amended: 11/26/2007,	Revision: 2006 Model: 101 (31"x 26" x	Pattern (WS-D-4FM-NRS,WS-D-
Revision: 2012	Model: Drop Over (Includes: EZ.75, NCEZ3,	2/23/2016, 9/14/2018	21"); 102 (27" x 21" x	4FM-OSY,WS-D-6FM-
Model: SRH	NCEZ3000, NCEZ4000,	Povision: 2017	25"); 103 (56" x 42" x	NRS, WS-D-6FM-OSY, WS-
Size: 3/4" NPT Outlet Issued: 6/30/2010	EZLV.75, ÉZLV1)	Revision: 2017 Model: Windbreaker B	30"); 110 (40" x 23" x 20"); 116 (47" x 20" x	D-8FM-NRS,WS-D-8FM- OSY,WS-D-10FM-
Amended: 3/21/2013	Size: Largest size tested: 36" x 105" x 53"	Series (B30, B39, B41,	29");	NRS, WS-D-10FM-OSY) -
	Model Prefixes: H- heat;	B51, B68, B80, B110, B110/EXT, B115, B155)	Issued: 9/9/2002 Amended: 5/22/2002,	Class I, II, III Issued: 3/11/1998
	VG- no insulation or heat; NCH- access panels	Issued: 11/1/1998	7/9/2007, 7/8/2008,	Amended: 10/9/2008
	and heat; P-	Amended: 11/26/2007,	5/6/2009, 2/23/2010,	
	polyethylene	2/23/2016, 9/14/2018	1/19/2011	
		1	1	

Class I, II, III 30"H) Issued: 3/11/1998 Amended: 10/9/2008 Hubbell Lenoir City, Inc. Revision: 2006 Model: Hot Box PEZ1 +P010026023‡ Size: Outside 14" x 30" x 25" Inside 10" x 26" x 23" + - Prefixes: H – heat; L – no heat; V - no insulation or heat ‡ - Suffixes: G – green color; T – tan/beige color Issued: 11/1/2017 Amended: 11/1/2017 Revision: 2006 Model: Hot Box PEZ2 SS,CK) +P010026023‡ Size: Outside 19" x 43" x 28" Inside 15" x 39" x 26"____ + - Prefixes: H – heat; L – no heat; V – no insulation or heat ‡ - Suffixes: G – green color; T – tan/beige color Issued: 11/1/201 1000 Piedmont Well Covers Revision: 2006 Model: 1530 Size: 30" x 13" x 25' Issued: 3/26/2004 Amended: 4/14/2010 Revision: 2006 SS,CK) Model: 1530-2 Size: 27" x 10" x 25" Issued: 5/31/2005 Amended: 4/14/2010 SS,CK) Revision: 2006 Model: 1550 Size: 41.5" x 16.5" x 27" Issued: 3/26/2004 Amended: 4/14/2010 SS,CK) Revision: 2006 Model: 1550-2 Size: 38" x 15" x 34" Issued: 5/31/2005 Amended: 4/14/2010 SAFE-T-COVER SS,CK) Revision: 2006 Model: 100 Series Includes: 130D-FG (8" W x 25"L x 19"H) & 135D-FG (9"W x 26"L x 25"H) -Issued: 4/8/2010 Amended: 4/14/2010 SS,CK) 800TLU880M-AL *all

Revision: 2006

2D)

Model: Type E - Dual In-

Line Design Type (WS-

Revision: 2006 Model: 200 Series Includes: 230D-FG (11"W x 35"L x 24"H) & 235D-FG (12"W x 37"L x Issued: 4/8/2010 Amended: 4/14/2010 Revision: 2006 Model: 250TCS-FG (sized: 12x39x36in), 100L-FG, 200L-FG, 150CS-FG, 250CS-FG Issued: 4/21/1998 Amended: 8/28/2015 Revision: 2006 Model: Lift off design: Series 100, Series 200 Series 100: (100S-AL, 110-AL *all models also with options AK, PG, Series 200: (200S-AL *all models also with options AK, PG, SS,CK) Issued: 4/21/1998 Amended: 10/6/2010 Revision: 2006 Model: Panel Design Series: Series 75, Series 100, Series 200, Series 300, Series 400, Series 600, Series 800, Series Series 75: (75SN-AL - all models also with options AK, PG, SS,CK Series 100: (100SN-AL, 100SNT-AL- all models also with options AK, PG, Series 200: (200D-AL, 200SN-AL *all models also with options AK, PG, Series 300: (300-AL, 300T-AL, 300D-AL, 300DS-AL, 300TD-AL, 300TDS-AL *all models also with options AK, PG, Series 400: (400-AL, 400T-AL, 400D-AL, 400DS-AL, 400TD-AL, 400TDS-AL, 400LU880-AL, 400TLU880-AL, 400SN-AL *all models also with options AK, PG, Series 600: (600-AL, 600T-AL, 600TS-AL, 600D-AL, 600DS-AL, 600TD-AL, 600TDS-AL, 600LU880-AL 600TLU880-AL *also with options AK, PG, Series 800: (800-AL, 800T-AL, 800D-AL, 800DS-AL, 800TD-AL 800TDS-AL, 800LU880-AL, 800TLU880-AL,

models also with options AK, PG, SS,CK) Series 1000: (1000-AL, 1000S-AL, 1000T-AL, 1000D-AL, 1000DS-AL, 1000TD-AL, 1000TDS-AL, 1000LU880-AL 1000TLU880-AL 1000TLU880M-AL, 1000TS-AL *all models also with options AK, PG, SS,CK) Issued: 4/21/1998 Amended: 10/6/2010 Watts Regulator Company Revision: 2006 Model: Flip Top **Fiberglass** WB-75, WB-1, WB1.5, WB-2, WBT-2, WB-N3, WB-E3, WB-E3 Issued: 3/31/1999 Amended: 2/29/2008 Revision: 2006 Model: Lift Off Fiberglass WB-PVB1,WB-PVB2 Issued: 3/31/1999 Amended: 2/29/2008 Revision: 2006 Model: Sectional Aluminum WB-N4, WB-E4, WB-N6, WB-E6, WB-N8, WB-E8, WB-N10, WB-E10 Issued: 3/31/1999 Amended: 2/29/2008 <u>STANDARD #ASSE</u> 1062 Temperature Actuated, Flow Reduction (TAFR) Valves for Individual Supply Fittings ASSE-2006 Cash Acme / Reliance Worldwide Corp Revision: 2006 Model: BD-01 Issued: 4/3/2002 Amended: 5/31/2007 Revision: 2006 Model: SD-01 (24718) Size: 1/2" TAFR - Heatguard shut-off Shower device Device Issued: 2/23/2011 Revision: 2006 Model: TD-01 (24718) Size: 1/2" TAFR - Heatguard shutoff Tap device Device (for Facet Spout) Issued: 4/3/2002 Amended: 5/31/2007

Powers, a Watts **Regulator Company** Revision: 2006 Model: HT-110, HT-115 Size: 1/2 inch Issued: 6/3/2003 Amended: 5/31/2007, 1/29/2013 **Precision Plumbing Products** Revision: 2006 Model: TFV-500 TH Issued: 11/16/2004 Amended: 5/31/2007

Revision: 2006 Model: TLV-500 Issued: 11/16/2004 Amended: 5/31/2007

Revision: 2006 Model: TSV-500 Issued: 11/16/2004 Amended: 5/31/2007

STANDARD #ASSE 1063

Air Valve and Vent Inflow Preventer. ASSE-2016

Val-Matic Valve Revision: 2016 Model: 1301 Size: 1' Issued: 4/7/2009

Revision: 2016 Model: 1302 Size: 2" Issued: 4/7/2009

STANDARD #ASSE 1066

Individual Pressure Balancing In-Line Valves for Individual Fixture Fittings ASSE-1997

Precision Plumbing Products Revision: 1997 Model: TRB-2 Tempera Valve Size: 1/2 inch Issued: 3/3/1998

STANDARD #ASSE 1069

Automatic Temperature **Control Mixing Valves** ASSE-2005

Apollo Valves / **Conbraco Industries** Revision: 2005 Model: 34HL (Model MVHL) Size: 1" inlet x 1-1/4" outlet Issued: 5/12/2005 Amended: 9/23/2008

Revision: 2005 Model: MVBLF (34BLF 310 Series) Size: 1" .5 pm Minimum flow rate Issued: 5/12/2005

Revision: 2005 Model: MVBLF (34BLF 310 Series) Size: 1/2" and 3/4" .5 gpm Minimum flow rate Issued: 5/12/2005

Bradley Corporation Revision: 2005 Model: S59-4016* Series Size: 1/2" and 3/4" Note : Series model

numbers designated with a "*" may be followed by alphanumeric codes, which does not affect function or form of the product, to indicate:

NPT connection options

Sweat connection options PEX connection

options PEX expansion connection options Customer model number

Issued: 2/17/2012 Amended: 12/7/2018

Cash Acme / Reliance Worldwide Corp

Model: Heatguard 110-D

(LF), Heatguard 110-BV

Size: 1" NPT, Sweat, PEX Barb, CPVC, Sharkbite w/ Lead Content less

than or equal to .25%

Revision: 2005

(LF)

Revision: 2005 Model: Heatguard 110-D (LF), Heatguard 110-BV (LF) Size: 1/2" NPT, Sweat, PEX Barb, CPVC, Sharkbite with lead content less than or equal to 0.25% Issued: 2/2/2007 Revision: 2005

Model: Heatguard 110-D (LF), Heatguard 110-BV (LF) Size: 3/4" NPT, Sweat, PEX Barb, CPVC, Sharkbite w/ Lead Content less than or equal to .25% Issued: 2/2/2007

Revision: 2005 Model: Heatguard 110-LSB Size: 1/2" NPT, PEX Barb w/ Lead Content less than or equal to .25% Issued: 8/29/2016

Revision: 2005 Model: Heatguard 110-LSB Size: 3/4" NPT, PEX Barb w/ Lead Content less than or equal to .25% Issued: 8/29/2016

Revision: 2005 Model: Heatguard 160LF Size: 1" Issued: 2/2/2007 Amended: 11/6/2012, 6/27/2016

Revision: 2005 Model: Heatguard 160LF Size: 1/2" Issued: 2/2/2007 Amended: 11/6/2012, 6/27/2016

Revision: 2005 Model: Heatguard 160LF Size: 3/4" Issued: 2/2/2007 Amended: 11/6/2012, 6/27/2016

Chicago Faucet / A Geberit Company Revision: 2005 Model: 122-ABNF Size: 1/2" Issued: 8/17/2009 Amended: 11/12/2009

Kohler-Mira Revision: 2005 Model: RADA 215AL Size: 1/2" Issued: 9/19/2008 Revision: 2005 Model: RADA Outlook Size: 3/4 inlets and outlets Issued: 9/19/2008

Lawler Manufacturing Company, Inc. Revision: 2005 Model: 410-CAB / 469-CAB Size: 3/4 inch lead content less than or equal to .25% on model 410-CAB/469-CAB

Issued: 8/29/2011

Amended: 1/10/2013

Revision: 2005 Model: 410-SC7 / 469-SC7 Size: 3/4 inch lead content less than or equal to .25% on model 410-SC7/469-SC7 Issued: 8/29/2011 Amended: 1/10/2013

Revision: 2005 Model: 410-TH / 469-TH Size: 3/4 inch lead content less than or equal to .25% on model 410-TH/469-TH Issued: 8/29/2011 Amended: 1/10/2013

Revision: 2005 Model: 570 1/2" Size: 1/2" Lead content less than or equal to .25% Issued: 6/12/2007

Revision: 2005 Model: 570 3/4" Size: 3/4" Lead content less than or equal to .25% Issued: 6/12/2007

Leonard Valve Revision: 2005 Model: 269-LF Size: 1/2" Lead content is less than or equal to 0.25% Issued: 12/8/2010

Revision: 2005 Model: 369-LF Size: 3/4" Lead content is less than or equal to 0.25% Issued: 12/8/2010 Revision: 2005 Model: XL-690 & XL-690-LF Size: 1" inlet x 1 1/4" outlet Suffix Options: RF, CP, DT, IT, TC lead content is equal or less than 0.25% on model XL-690-LF Issued: 12/8/2010 Amended: 9/23/2011, 10/22/2012 Powers, a Watts Powers, a Watts

Regulator Company Revision: 2005 Model: LM495 & (LF) LM495 Series Size: 1/2" Includes: LM495-1 (threaded), LM495-2 (solder), LM495-3 (CPVC), LM495-4 (PEX), LM495-5 (quick-connect) Issued: 6/23/2008 Amended: 5/27/2009, 2/7/2011

Revision: 2005 Model: LM496 & (LF) LM496 Series Size: 3/4" Includes: LM496-1 (threaded), LM496-2 (solder), LM496-3 (CPVC), LM496-4 (PEX), LM496-5 (quick-connect) Issued: 6/23/2008 Amended: 5/27/2009, 2/7/2011

Revision: 2005 Model: LM497 & (LF) LM497 Series Size: 1" Includes: LM497-1 (threaded), LM497-2 (solder), LM497-3 (CPVC), LM497-4 (PEX), LM497-5 (quick-connect) Issued: 6/23/2008 Amended: 5/27/2009, 2/7/2011

Watts Regulator Company Revision: 2005 Model: MMV-M1 Series & (LF) MMV-M1 Series 1/2", 3/4", 1" (UT, US, CPVC, PEX, QC, LF) Issued: 6/18/2008 Amended: 5/27/2009, 9/9/2009, 3/6/2013

STANDARD #ASSE 1070

ASSE 1070-2015 / ASME A112.1070-2015 / CSA B125.70-15 Water Temperature Limiting Devices ASSE-2015

Ademco Inc. / Honeywell Revision: 2015 Model: UMV500-LF/U Size: 3/8" compression Issued: 12/14/2017 Amended: 10/5/2018

Apollo Valves / Conbraco Industries Revision: 2015 Model: MVBLF (34BLF 310 Series) Size: 1" .5 gpm Minimum flow rate Issued: 4/16/2018

Revision: 2015 Model: MVBLF (34BLF 310 Series) Size: 1/2" and 3/4" .5 gpm Minimum flow rate Issued: 4/16/2018

Bradley Corporation Revision: 2015 Model: S59-4000* Issued: 6/8/2009 Amended: 8/20/2018, 12/31/2018

Revision: 2015 Model: S59-4000A* Issued: 4/4/2007

Revision: 2015 Model: S59-4000BY* Issued: 6/30/2010 Amended: 8/20/2018, 12/31/2018

Revision: 2015 Model: S59-4004 & S59-4004XS Size: 1/2" NPSM Issued: 4/4/2007 Amended: 8/20/2018

Revision: 2015 Model: S59-4007* Issued: 3/1/2017 Amended: 8/20/2018, 12/31/2018 Revision: 2015 Model: S59-4008*

Note: Series model numbers designated with a "*" may be followed by alphanumeric codes, which does not affect function or form of the product, to indicate: o customer model number Issued: 7/25/2007 Amended: 8/20/2018, 12/31/2018

Revision: 2015 Model: S59-4016⁺

Note: Series model numbers designated with a "+" may be followed by alphanumeric codes, which does not affect function or form of the product, to indicate: NPT connection 0 options Sweat 0 connection options PEX connection 0 options PEX expansion 0 connection options customer 0 model number Issued: 2/17/2012 Amended: 8/20/2018, 12/31/2018

Cash Acme / Reliance Worldwide Corp Revision: 2015 Model: Heatguard 110-D LF Size: 1/2", (With integrated SharkBite® connections) Issued: 4/10/2015 Amended: 2/2/2018

Revision: 2015 Model: Heatguard 110-D LF Size: 3/4" (With integrated SharkBite® connections) Issued: 4/10/2015 Amended: 2/2/2018

Revision: 2015 Model: Heatguard 110-D LF, Heatguard 110-BV LF Size: 1" NPT, Sweat, PEX Barb, CPVC, Sharkbite 0.25% or less lead content Issued: 12/21/2005 Amended: 2/7/2013, 2/2/2018 Revision: 2015 Model: Heatguard 110-D LF, Heatguard 110-BV LF Size: 1/2" NPT, Sweat, PEX Barb, CPVC, Sharkbite 0.25% or less lead content Issued: 12/21/2005 Amended: 2/7/2013, 2/2/2018 Revision: 2015 Model: Heatguard 110-D

Model: Heatguard 110-D LF, Heatguard 110-BV LF Size: 3/4" NPT, Sweat, PEX Barb, CPVC, Sharkbite 0.25% or less lead content Issued: 12/21/2005 Amended: 2/7/2013, 2/2/2018

Revision: 2015 Model: Heatguard 110-LSB Size: 1/2" NPT, PEX Barb w/ Lead Content less than or equal to 0.25% Issued: 8/29/2016 Amended: 2/2/2018

Revision: 2015 Model: Heatguard 110-LSB Size: 3/4" NPT, PEX Barb w/ Lead Content less than or equal to 0.25% Issued: 8/29/2016 Amended: 2/2/2018

Revision: 2015 Model: Heatguard 135 LF Size: 3/8 compression fittings or compression fittings with tee Issued: 12/22/2017 Amended: 2/12/2018

Revision: 2015 Model: Heatguard 145 LF Size: 3/8" Compression Lead content is equal to or less than .25% Minimum flow rate: 0.34 GPM Issued: 10/10/2011 Amended: 2/2/2018

Revision: 2015 Model: Heatguard 160LF Size: 1" Issued: 3/26/2007 Amended: 11/6/2012, 6/27/2016, 2/2/2018

Revision: 2015 Model: Heatguard 160LF Size: 1/2" Issued: 3/26/2007 Amended: 11/6/2012, 6/27/2016, 2/2/2018 Revision: 2015 Model: Heatguard 160LF Size: 3/4" Issued: 3/26/2007 Amended: 11/6/2012, 6/27/2016, 2/2/2018

Revision: 2015 Model: HG020-LF Size: 3/4" NPT with lead content less than or equal to 0.25% Minimum Flow Rate: 1.0 GPM Issued: 12/21/2005 Amended: 2/2/2018

Chicago Faucet / A Geberit Company Revision: 2015 Model: 131-ABNF Series Size: 3/8" Compression Minimum flow rate = 0.35 GPM Prefix's (C) Connector fitting, (MP) MultiPack, (FM) Flush Mode option Suffix (NF) No-Finish (RCF) Finish Issued: 10/19/2011 Amended: 8/26/2016

Revision: 2015 Model: 420-T41 Series Issued: 10/19/2011

Revision: 2015 Model: 420-T45 Series Minimum flow rate = 0.35 GPM Issued: 2/22/2017

Kohler-Mira Revision: 2015 Model: Rada 215A-LL (1.1374.001) Size: 1/2 inch Issued: 8/31/2018

Revision: 2015 Model: Rada 222A-LL (1.1374.004) Size: 3/4 inch Issued: 8/31/2018

Lawler Manufacturing Company, Inc. Revision: 2015 Model: 570 Size: 3/8" Compression Issued: 1/28/2014

Leonard Valve Revision: 2015 Model: 170A-LF Size: 3/8" Issued: 5/26/2016

Powers, a Watts Regulator Company Revision: 2015 Model: LFP580-4 Size: 1/2" PEX Issued: 10/17/2016 Taco, Inc. Revision: 2015 Model: 5121-2 Size: 3/8" Compression -F2 includes compression fittings. -L2 includes compression fittings, tee, and angle fittings. Lead content is equal to or less than 0.25%. Minimum flow rate: 0.34 GPM. Issued: 3/30/2016

Revision: 2015 Model: 5122-B2 Size: 1/2" cpvc with lead content less than or equal to 0.25% Issued: 7/5/2013

Revision: 2015 Model: 5122-C2 Size: 1/2 " Sweat with lead content less than or equal to 0.25% Issued: 7/5/2013

Revision: 2015 Model: 5122-P2 Size: 1/2" barb with lead content less than or equal to 0.25% Issued: 7/5/2013

Revision: 2015 Model: 5122-T2 Size: 1/2" threaded FNPT with lead content less than or equal to 0.25% Issued: 7/5/2013

Revision: 2015 Model: 5123-B2 Size: 3/4" cpvc with lead content less than or equal to 0.25% Issued: 7/5/2013

Revision: 2015 Model: 5123-C2 Size: 3/4" Sweat with lead content less than or equal to 0.25% Issued: 7/5/2013

Revision: 2015 Model: 5123-P2 Size: 3/4" barb with lead content less than or equal to 0.25% Issued: 7/5/2013

Revision: 2015 Model: 5123-T2 Size: 3/4" threaded MNPT with lead content less than or equal to 0.25% Issued: 7/5/2013 Revision: 2015 Model: 5123-WH-N1 Size: 3/4" Water Heater Non Union with lead content less than or equal to 0.25% Issued: 7/5/2013

Revision: 2015 Model: 5124-C2 Size: 1" Sweat with lead content less than or equal to 0.25% Issued: 7/5/2013

Revision: 2015 Model: 5124-P2 Size: 1" barb with lead content less than or equal to 0.25% Issued: 7/5/2013

TOTO USA, Inc. Revision: 2015 Model: TLT10R Size: 1/2 BSPP Issued: 12/21/2016

Wilkins / A Division of Zurn Revision: 2015 Model: 38-ZW3870 & 38-ZW3870XL Size: 3/8" Issued: 10/6/2009 Amended: 8/20/2012

Revision: 2015 Model: 38-ZW3870T & 38-ZW3870XLT Size: 3/8" Issued: 3/1/2007 Amended: 8/20/2012

Ademco Inc. / Honeywell Revision: 2004 Model: AM-1LF 1070 Series AM-1LF 1070 Series -Includes: Union Sweat: AM100C1070-US-1LF (1/2"), AM101C1070-US-1LF (3/4"),AM102C1070-US-1LF (1"); Union Thread: AM100C1070-UT-1LF (1/2"), AM101C1070-UT-1LF (3/4"),AM102C1070-UT-1LF(1") Union CPVC: AM100C1070U-CPVC1LF ÀM101C1070UCPVC1LF (3/4"); Union PEX: AM100C1070-UPEX1LF (1/2"), AM101C1070-UPEX1LF (3/4") Union Press AM100C1070-UP-1LF (1/2"), AM101C1070-UP-1LF (3/4"), AM102C1070-UP-1LF (1'')Temp Gauge: AM100C1070-USTG-LF (1/2"), AM101C1070-USTG-LF (3/4"), AM102C1070-ÚSTG-LF (1'')Puśh Fit: AM100C1070-SB-1LF (1/2"), AM101C1070-SB-1LF(3/4"), AM102C1070-SB-1LF(1") Issued: 7/19/2011 Amended: 3/31/2017, 4/24/2018, 8/16/2018, 10/5/2018

Apollo Valves / Conbraco Industries Revision: 2004 Model: 34B & 34B LF Series (Model MVB & MVB-LF) Size: 1" Minimum Flow Rate: 1.5 GPM Issued: 4/24/2006 Amended: 10/21/2008, 11/17/2010

Revision: 2004 Model: 34B & 34B LF Series (Model MVB & MVB-LF) Size: 1/2" and 3/4" Minimum Flow Rate: 1.5 GPM Issued: 4/24/2006 Amended: 10/21/2008, 11/17/2010

Revision: 2004 Model: 34D & 34D LF Series (Model MVD & MVD-LF) Size: 3/8" x 3/8 " Compression Minimum Flow Rate: 1.5 Issued: 4/24/2006 Amended: 6/26/2018 Chicago Faucet / A **Geberit Company** Revision: 2004 Model: 122-ABNF Size: 1/2" Issued: 8/17/2009 Amended: 11/12/2009 Hsien Chang Metals Co. Revision: 2004 Model: T-*M01 Size: w/ outlet size of 1/2", 3/4" . 1' Minimum flow rate: 0.8 Issued: 2/4/2011 gpm. Revision: 2004 Model: T-*T01 Size: w/ outlet size of 1/2", 3/4", 1" Minimum flow rate: 0.8 Issued: 2/4/2011 Revision: 2004 gpm. Model: T-*Y01 Size: w/ outlet size of 1/2", 3/4", 1" Minimum flow rate: 0.8 Issued: 2/4/2011 Kohler-Mira Revision: 2004 Model: RADA Outlook Size: 3/4 NPT inlets and Outlets Issued: 9/10/2013 Lawler Manufacturing Company, Inc. Revision: 2004 Model: 310 Size: 1/2"

GPM

GPM

GPM

GPM

Minimum flow rate: 0.5GPM lead content less than or equal to .25% on model 310 Issued: 7/5/2011 Amended: 1/10/2013

Revision: 2004 Model: 570 Size: 1/2" Lead content less than or equal to .25% Issued: 6/12/2007

Revision: 2004 Model: 570 Size: 3/4" Lead content less than or equal to .25% Issued: 6/12/2007

Revision: 2004 Model: TMM-1070 Size: 3/8" lead content less than or equal to .25% on model TMM-1070 Issued: 10/12/2009 Amended: 1/10/2013

Leonard Valve Revision: 2004 Model: 170-LF - 3/8" IPS with compression fittings Lead Content is less than or equal to .25% on model 170-LF. Minimum flow rate on model 170-LF is 0.25 Issued: 2/18/2008 Amended: 12/8/2010, 10/22/2012, 2/12/2013

Revision: 2004 Model: 270-LF Size: 1/2" NPT Minimum flow rate on model 270-LF is 0.25 Lead Content is less than or equal to .25% on model 270-LF Issued: 2/18/2008 Amended: 12/7/2009, 10/22/2012, 1/7/2013

Revision: 2004 Model: 370-LF Size: 3/4" NPT Lead Content is less than or equal to .25% on model 370-LF Issued: 6/30/2011 Amended: 10/22/2012

Revision: 2004 Model: XL670-LF Size: 1" inlet x 1-1/4" outlet Lead Content is less than or equal to 0.25% on model XL670-LF. Minimum flow rate on model XL670-LF is 2.5 gpm. Issued: 2/18/2008 Amended: 5/14/2013, 8/10/2017

Powers, a Watts **Regulator Company** Revision: 2004 Model: 105 Series Includes: 105, 105-6, 105A5, 105A15, 105PW, 105L, 105L5, 105VA, 105V5, 105VL, 105VL5 & suffix options of GD or

OGD w/ Minimum Flow Rate of .5 GPM Issued: 4/8/2010 Amended: 12/13/2010

Revision: 2004 Model: 115 Series Includes: 115, 115-6, 115A5, 115A15, 115PW, 115L, 115L5, 115VA 115V5, 115VL, 115VL5 & suffix options of GD or OGD w/ Minimum Flow Rate of .5 GPM Issued: 4/8/2010 Amended: 12/13/2010

Revision: 2004 Model: 205 Series Includes: 205, 205A5, 205-6, 205A15, 205L, 205L5, 205VA, 205V5, 205VL, 205VL5 & suffix options of GD or OGD w/ Minimum Flow Rate of .5 GPM Issued: 4/8/2010 Amended: 12/13/2010

Revision: 2004 Model: 215 Series Includes: 215, 215A5, 0215-6, 215A15, 215L, 215L5, 215VA, 215V5, 215VL, 215VL5 & suffix options of GD or OGD w/ Minimum Flow Rate of .5 GPM Issued: 4/8/2010 Amended: 12/13/2010 Revision: 2004 Model: e480 Series (LF) (QC)(Includes: e480-00 - 1/2" NPT, e480-01-1/2" NPT, e480-10 - 3/8" Compression, e480-11 -3/8" Compression, e480-50 (LF) (QC) - 3/8 compression, e480-51 (LF) (QC) - 3/8 compression) Issued: 1/11/2008 Amended: 9/9/2009, 5/26/2010, 2/10/2012

Revision: 2004 Model: G480-00 (LF) (OC) (Includes: G480-00 - 1/2" NPT, G80-01-1/2" NPT, G480-10 - 3/8" Compression, G480-11 -3/8" Compression, G480-50 (LF) (QC) - 3/8" compression, G480-51 (LF) (QC) - 3/8' compression) Issued: 8/21/2014

Revision: 2004 Model: LM495 Series Size: 1/2", 3/4", 1' (LF) (QC) Issued: 3/16/2005 Amended: 10/12/2009

TOTO USA, Inc. Revision: 2004 Model: TEL5LI15#** Size: 3/8" Compression Includes suffix options of: CP- Chrome Plated; PB- Polished Brass; BN-Brushed Nickel; PN-Polished Nickel; RB- Oil Rubbed Bronze; RS- Rose Bronze; BL-Black Nickel; SN- Satin Nickel; TB- Textured Black

Issued: 6/28/2011

Revision: 2004 Model: TL993SE (includes: LLT993#61, LFC993#61 & #CP option) Minimum flow rate: 1.1 GPM Issued: 6/16/2010

Watts Regulator Company Revision: 2004 Model: (LF) USG-B-M1 (SC, QC) Size: 3/8" Compression Issued: 1/23/2008 Amended: 5/27/2009, 10/12/2009

Revision: 2004 Model: 1070 Series Includes: 1070, 1070-6, 1070A5, 1070A15 1070PW, 1070L, 1070L5, 1070VA, 1070V5 1070VL, 1070VL5 & suffix options of GD or OGD w/ Minimum Flow Rate of .5 GPM Issued: 4/6/2010 Amended: 12/13/2010

Revision: 2004 Model: G1070 Series Includes: G1070 G1070A5, G1070-6, G1070A15, G1070L, G1070L5, G1070VA, G1070V5, G1070VL, G1070VL5 & suffix options of GD or OGD w/ Minimum Flow Rate of .5 GPM Issued: 4/6/2010 Amended: 12/13/2010

Revision: 2004 Model: GP1070 Series Includes: GP1070, GP1070A5, GP1070-6, GP1070A15, GP1070L, GP1070L5, GP1070VA, GP1070V5, GP1070VL, GP1070VL5 & suffix options of GD or OGD w/ Minimum Flow Rate of .5 GPM Issued: 4/6/2010 Amended: 12/13/2010

Revision: 2004 Model: MMV-M1 Series (UT, US, PEX, CPVC, QC, LF) & (LF) MMV-M1 Series (UT, US, PEX, CPVC, QC, LF) Size: 1 Issued: 3/16/2005 Amended: 11/26/2007, 5/27/2009, 10/12/2009, 3/6/2013

Revision: 2004 Model: MMV-M1 Series (UT, US, PEX, CPVC, QC, WP, LF) & (LF) MMV-M1 Series (UT, US, PEX, CPVC, QC, WP, LF) Size: 1/2" Issued: 3/16/2005 Amended: 11/26/2007 5/27/2009, 10/12/2009, 3/6/2013

Revision: 2004 Model: MMV-M1 Series (UT, US, PEX, CPVC, QC, WP, LF) & (LF) MMV-M1 Series (UT, US, PEX, CPVC, QC, WP, LF) Size: 3/4" Issued: 3/16/2005 Amended: 11/26/2007, 5/27/2009, 10/12/2009, 3/6/2013

Revision: 2004 Model: P1070 Series Includes: P1070, P1070-6, P1070A5, P1070A15, P1070PW, P1070L, P1070L5, P1070VA, P1070V5, P1070VL, P1070V5, P1070VL, P1070VL5 & suffix options of GD or OGD w/ Minimum Flow Rate of .5 GPM Issued: 4/6/2010 Amended: 12/13/2010

Revision: 2004 Model: USG-B-M2 (SC, QC) & (LF) USG-B-M2 (SC, QC) Size: 3/8" Issued: 1/17/2012

Wilkins / A Division of Zurn Revision: 2004 Model: ZW1070 TMV & ZW1070XL Size: 1 Issued: 9/1/2005 Amended: 8/20/2012

Revision: 2004 Model: ZW1070 TMV & ZW1070XL Size: 1/2" Issued: 9/1/2005 Amended: 8/20/2012

Revision: 2004 Model: ZW1070 TMV & ZW1070XL Size: 3/4" Issued: 9/1/2005 Amended: 8/20/2012

<u>STANDARD #ASSE</u> 1071

Temperature Actuated Mixing Valves for Plumbed Emergency Equipment ASSE-2012

Apollo Valves / Conbraco Industries Revision: 2012 Model: MVE & MVE-LF (34E & 34E-LF Series) Size: 1/2" or 3/4" FPT or Solder Issued: 5/6/2009 Amended: 11/19/2010, 3/19/2013

Bradley Corporation Revision: 2012 Model: S19-2000* Issued: 8/17/2012 Amended: 3/19/2013, 10/30/2018

Revision: 2012 Model: S19-2150* Issued: 8/17/2012 Amended: 7/9/2014, 5/23/2018, 10/30/2018

Revision: 2012 Model: S19-2250* Issued: 8/17/2012 Amended: 7/9/2014, 5/23/2018, 10/30/2018

Revision: 2012 Model: S19-2350*

Note : Series model numbers designated with a "*" may be followed by alphanumeric codes, which does not affect function or form of the product, to indicate: " exterior finish

options

" customer model number Issued: 8/17/2012 Amended: 5/23/2018, 10/30/2018 Guardian Equipment Revision: 2012 Model: G3600 & G3600LF Size: 1/2"-1/2" NPT Female Lead content is less than or equal to 0.25% on model G3600-LF Issued: 3/11/2009 Amended: 1/14/2013

Revision: 2012 Model: G3700 & G3700-LF

Size: 3/4" inlet x 1" outlet NPT Lead content is less than or equal to 0.25% on model G3700-LF Issued: 3/11/2009 Amended: 6/29/2012, 1/14/2013

Revision: 2012 Model: G3800 & G3800-LF Size: 1" inlet x 1 1/4" outlet Lead content is less than or equal to 0.25% on model G3800-LF Issued: 3/11/2009 Amended: 6/29/2012

Leonard Valve Revision: 2012 Model: TA-300-LF w/ TB & SB options & TA-350-LF w/ safety device Size: 1/2" Lead content is less than or equal to 0.25% on model TA-300-LF and TA-350-LF Issued: 3/24/2009 Amended: 10/29/2009, 6/14/2010, 9/5/2012, 6/1/2015

Revision: 2012 Model: TM-600-LF Size: 3/4" inlet x 1" outlet NPT Lead content is less than or equal to 0.25% on model TM-600-LF Issued: 2/12/2009 Amended: 6/14/2010, 6/20/2012, 6/1/2015

Revision: 2012 Model: TM-800-LF & TM-850-LF w/ safety device Size: 1" inlet x 1 1/4" outlet Lead content is less than or equal to 0.25% on model TM-800-LF and TM-850-LF Issued: 3/24/2009 Amended: 6/14/2010, 6/20/2012, 6/1/2015 Speakman Co. Revision: 2012 Model: SE-350 Size: 1' inlet, 1-1/4" outlet Issued: 4/23/2014

Revision: 2012 Model: SE-362 Size: 3/4" Inlet, 1" Outlet Issued: 1/24/2014

Revision: 2012 Model: SE-370 Size: 1/2" NPT Issued: 11/8/2012 Amended: 3/26/2013

WaterSaver Faucet Revision: 2012 Model: AP3600 & AP3600-LF Size: 1/2" - 1/2" NPT Female Lead content is less than or equal to 0.25% on model AP3600-LF Issued: 3/11/2009 Amended: 8/2/2017

Revision: 2012 Model: AP3700 & AP3700-LF Size: 3/4" x 1" Outlet NPT Lead content is less than or equal to 0.25% on model AP3700-LF Issued: 3/11/2009 Amended: 6/29/2012, 8/2/2017

Revision: 2012 Model: AP3800 & AP3800-LF Size: 1" inlet x 1 1/4" outlet Lead content is less than or equal to 0.25% on model AP3800-LF Issued: 3/11/2009 Amended: 6/29/2012, 8/2/2017

Lawler Manufacturing Company, Inc. Revision: 2008 Model: 911 Size: 1 1/4" NPT female connections lead content less than or equal to .25% on model

911 Issued: 8/3/2009 Amended: 1/10/2013

Revision: 2008 Model: 911E Size: 1 1/4" NPT female connections lead content less than or equal to .25% on model 911E Issued: 8/3/2009 Amended: 8/19/2009, 1/10/2013 Revision: 2008 Model: 911E/F Size: 1/2" NPT Female connections lead content less than or equal to .25% on model 911E/F Issued: 8/3/2009 Amended: 1/10/2013

Powers, a Watts **Regulator Company** Revision: 2008 Model: ES150-Size: 1/2" inlet and outlet 10 - Rough bronze emergency tempering valve; 20 - chromeplated emergency tempering valve; 11 rough bronze emergency tempering valve w/T/P Gauge on outlet; 22 chrome plated emergency tempering valve w/ T/P Gauge on outlet Issued: 1/20/2009

Revision: 2008 Model: ETV200-Size: 3/4" inlet x 1" outlet 10 - Rough bronze emergency tempering valve; 20 - chromeplated emergency tempering valve; 13 rough bronze emergency tempering valve w/ T/P Gauge on outlet; 24 chrome plated emergency tempering valve w/ T/P Gauge on outlet Issued: 1/20/2009

Revision: 2008 Model: ETV400-Size: 1 1/4" inlet x 1 1/2" outlet 10 - Rough bronze emergency tempering valve; 20 - chromeplated emergency tempering valve; 15 rough bronze emergency tempering valve w/ T/P Gauge on outlet; 26 chrome plated emergency tempering valve w/ T/P Gauge on outlet Issued: 1/20/2009

Revision: 2008 Model: ETV500-Size: 2" inlet and outlet 10 - Rough bronze emergency tempering valve; 20 - chromeplated emergency tempering valve; 17 rough bronze emergency tempering valve w/ T/P Gauge on outlet; 28 - chrome plated emergency tempering valve w/ T/P Gauge on outlet; Issued: 1/20/2009

STANDARD #ASSE 1072 Barrier Type Floor Drain Trap Seal Protection Devices ASSE-2007

JAY R. SMITH MFG., CO. Revision: 2007 Model: 2692-02 Size: 2" Issued: 6/20/2012

Revision: 2007 Model: 2692-03 Size: 3" Issued: 6/20/2012 Amended: 6/27/2012

Revision: 2007 Model: 2692-035 Size: 3 1/2" Issued: 6/20/2012

Revision: 2007 Model: 2692-04 Size: 4" Issued: 6/20/2012 Amended: 6/27/2012

MIFAB, Inc. Revision: 2007 Model: MI-GARD-2 Size: 2" Issued: 12/31/2013

Revision: 2007 Model: MI-GARD-35 Size: 3.5" Issued: 1/23/2014

Revision: 2007 Model: MI-GARD-4 Size: 4" Issued: 12/31/2013

Revision: 2007 Model: MI-GARED-3 Size: 3" Issued: 1/23/2014

Precision Plumbing Products Revision: 2007 Model: PDS-2000 Size: 2" PPP Pro Drain Seal Issued: 7/23/2014

Revision: 2007 Model: PDS-3000 Size: 3" PPP Pro Drain Seal Issued: 7/23/2014 Revision: 2007 Model: PDS-4000 Size: 4" PPP Pro Drain Seal Issued: 7/23/2014

RectorSeal, LLC Revision: 2007 Model: SureSeal® SS2009Plus Issued: 9/14/2015 Amended: 8/10/2017

Revision: 2007 Model: SureSeal® SS2009V Issued: 4/12/2011 Amended: 5/1/2014, 8/10/2017

Revision: 2007 Model: SureSeal® SS3009Plus Issued: 9/14/2015 Amended: 8/10/2017

Revision: 2007 Model: SureSeal® SS3009V Issued: 4/12/2011 Amended: 5/1/2014, 8/10/2017

Revision: 2007 Model: SureSeal® SS3509V Issued: 4/12/2011 Amended: 5/1/2014, 8/10/2017

Revision: 2007 Model: SureSeal® SS4009Plus Issued: 9/14/2015 Amended: 8/10/2017

Revision: 2007 Model: SureSeal® SS4009V Issued: 4/12/2011 Amended: 5/1/2014, 8/10/2017

Sioux Chief Mfg. Co. Inc. Revision: 2007 Model: 835-2 Size: 2 inch TrapShield 2 inch Issued: 11/29/2017

Revision: 2007 Model: 835-3 Size: 3 inch TrapShield 3 inch Issued: 11/29/2017

Revision: 2007 Model: 835-35 Size: 3-1/2 inch TrapShield 3.5 inch Issued: 11/29/2017 Revision: 2007 Model: 835-4 Size: 4 in TrapShield 4 inch Issued: 11/29/2017

Zurn Industries, Inc. Revision: 2007 Model: Z1072-2 Size: 2 inch Issued: 5/8/2017

Revision: 2007 Model: Z1072-3 Size: 3 inch Issued: 5/8/2017

Revision: 2007 Model: Z1072-3.5 Size: 3.5 inch Issued: 5/8/2017 Amended: 12/6/2018

Revision: 2007 Model: Z1072-3.5-EZ1 Size: 3.5 inch Issued: 5/8/2017 Amended: 12/6/2018

Revision: 2007 Model: Z1072-4 Size: 4 inch Issued: 5/8/2017

STANDARD #ASSE 1079 Dielectric Pipe Union ASSE-2012

Watts Regulator Company Revision: 2012 Model: 4001E & (LF) 4001E Size: 1 1/2" Issued: 10/21/2011 Amended: 11/1/2011, 3/21/2013

Revision: 2012 Model: 4001E & (LF) 4001E Size: 1 1/4" Issued: 10/21/2011 Amended: 11/1/2011, 3/21/2013

Revision: 2012 Model: 4001E & (LF) 4001E Size: 1" Issued: 10/21/2011 Amended: 11/1/2011, 3/21/2013

Revision: 2012 Model: 4001E & (LF) 4001E Size: 1/2" Issued: 10/21/2011 Amended: 11/1/2011, 3/21/2013 Revision: 2012 Model: 4001E & (LF) 4001E Size: 2" Issued: 10/21/2011 Amended: 11/1/2011, 3/21/2013

Revision: 2012 Model: 4001E & (LF) 4001E Size: 3/4" Issued: 10/21/2011 Amended: 11/1/2011, 3/21/2013

STANDARD #ASSE 1081

Combination Backflow Preventer with Atmospheric Vent and Pressure Reducing Boiler Feed Valve for Res. and Light Comm. systems ASSE-2014

Ademco Inc. / Honeywell Revision: 2014 Model: NK300S 100 Size: 1/2 inch male NPT and sweat tailpieces Issued: 4/17/2017 Amended: 8/11/2017, 10/5/2018

Revision: 2014 Model: NK300S-100UP Size: 1/2 inch union press fittings Issued: 4/17/2017 Amended: 10/5/2018

Taco, Inc. Revision: 2014 Model: 3450 Size: 1/2" -2 Sweat Connection; -H2 Press Connect; -T2 NPT Issued: 8/3/2015 Amended: 5/26/2017

<u>STANDARD #AWWA</u> <u>C512</u>

<u>CS12</u> Air-Release, Air/Vacuum, and Combination Air Valves for Water and Wastewater Service ASSE-2015

Val-Matic Valve Revision: 2015 Model: Air Release Valves - 48A.Y, 49A.Y (H, BW, SV, XF) Size: 2" to 4" Issued: 11/27/2018 Revision: 2015 Model: Air Release Valves 15A.YY, 22.YY, 25.YY, 38.YY, 45.YY, SO.VY, 61.YY (VC, H, HP, P, SV, XF) Size: 1/2" to 6" - NPT models only are certified Issued: 11/27/2018

ASSE Accepted Shutoff Valves

American Figure 17-NRS RW American Figure 37-OSY RW American Flow Control (Waterous) Series 500-NRS American Flow Control (Waterous) Series 500-OSY American Flow Control Series 2500-NRS American Flow Control Series 2500-OSY Apollo Series 7B-308-01 (& 7B-308-31) Apollo Series 7B-QT Apollo Series 7B-QT Model: 40-201-A2 (1/4 inch) Apollo Series 7B-QT Model: 40-201-T2 (1/4 inch) Apollo Series 7B-QT Model: 40-202-A2 (3/8 inch) Apollo Series 7B-QT Model: 40-202-T2 (3/8 inch) Apollo Series 7B-QT Model: 40-203-A2 (1/2 inch) Apollo Series 7B-QT Model: 40-203-A2 (1/2 inch) Apollo Series 7B-QT Model: 40-203A2S (1/2 inch) Apollo Series 7B-QT Model: 40-203-T2S (1/2 inch) Apollo Series 7B-QT Model: 40-203-T2S (1/2 inch) Apollo Series 7B-QT Model: 40-204-A2U (3/4 inch) Apollo Series 7B-QT Model: 40-204-A2Z (3/4 inch) Apollo Series 7B-QT Model: 40-204-T2U (3/4 inch) Apollo Series 7B-QT Model: 40-204-T2Z (3/4 inch) Apollo Series 7B-QT Model: 40-205-A2U (1 inch) Apollo Series 7B-QT Model: 40-205-A2Z (1 inch) Apollo Series 7B-QT Model: 40-205-T2U (1inch) Apollo Series 7B-QT Model: 40-205-T2Z (1 inch) Apollo Series 7B-QT Model: 40-206-A2 (1-1/4 inch) Apollo Series 7B-QT Model: 40-206-T2 (1-1/4 inch) Apollo Series 7B-QT Model: 40-208-A2U (2 inch) Apollo Series 7B-QT Model: 40-208-A2Z (2 inch) Apollo Series 7B-QT Model: 40-208-T2UV (2 inch) Apollo Series 7B-QT Model: 40-208-T2Z (2 inch) Apollo Series 7H-QT AVK Series 23-OSY (Nibco F607RW OSY) AVK Series 25-NRS AVK Series 25-NRS Clow R/W Model 2638 (GxF) - NRS (4" - 10") (formerly Clow Series F6105-NRS) Clow R/W Model 2638 (GxF) - OSY (4" - 10") (formerly Clow Series F6138-OSY) Clow R/W model 2638 (GxFG) - NRS (4" - 10") (formerly Clow Series F6104-NRS) Clow R/W Model 2639 (GxF) - OSY (4" - 10") (formerly Clow Series F6137-OSY) Clow R/W Model 2639 (GxF) - NRS (2 1/2" - 3") Clow R/W Model 2639 (GxF) - OSY (2 1/2" - 3") Clow R/W model 2639 (GxF) - OSY (2 1/2" - 3") Clow R/W Model 2639 (GxF) - OSY (2 1/2" - 3") Clow R/W Model 2639 (GxG) - NRS (2 1/2" - 3") Clow R/W Model 2639 (GxG) - NRS (2 1/2" - 3") Clow R/W Model 2639 (GxG) - NRS (2 1/2" - 3") Clow R/W Model 2640 (FxF) - NRS (formerly Clow R/W F6102 - NRS) Model: B 9105 (2-1/2 inch) Clow R/W Model 2640 (FxF) - NRS (formerly Clow R/W F6102 - NRS) Model: B 9105 (2-1/2 inch) Clow R/W Model 2640 (FxF) - NRS (formerly Clow R/W F6102 - NRS) Model: B 9106 (3 inch) Clow R/W Model 2640 (FxF) - NRS (formerly Clow R/W F6102 - NRS) Model: B 9106 (3 inch) Clow R/W Model 2640 (FxF) - NRS (formerly Clow R/W F6102 - NRS) Clow R/W Model 2640 (FxF) - NRS (formerly Clow R/W F6102 - NRS) Model: B 92010 (8 inch) Model: B 9205 (2-1/2 inch) Clow R/W Model 2640 (FxF) - NRS (formerly Clow R/W F6102 - NRS) Model: B 9206 (3 inch) Clow R/W Model 2640 (FxF) - OSY (formerly Clow R/W F6136 - OSY) Clow R/W Model 2640 (FxF) - OSY (formerly Clow R/W F6136 - OSY) Clow R/W Model 2640 (FxF) - OSY (formerly Clow R/W F6136 - OSY) Model: 350DA (10 inch) Clow R/W Model 2640 (FxF) - OSY (formerly Clow R/W F6136 - OSY) Model: 350DA (10") Clow R/W Model 2640 (FxF) - OSY Clow R/W Model 2640 (FxF) - OSY Clow R/W Model 2640 (FxF) - OSY - OSY (formerly Clow R/W F6136 - OSY) Model: 375 (8 inch) - OSY (formerly Clow R/W F6136 - OSY) Model: 375A (8 inch) - OSY (formerly Clow R/W F6136 - OSY) Model: 375ADA (8 inch) Clow R/W Model 2640 (FxF) - OSY (formerly Clow R/W F6136 - OSY) Model: 375DA (2-1/2") - OSY (formerly Clow R/W F6136 - OSY) Model: 375DA (3") - OSY (formerly Clow R/W F6136 - OSY) Model: 375DA (8 inch) Clow R/W Model 2640 (FxF) - OSY Clow R/W Model 2640 (FxF) - OSY Clow R/W Model 2640 (FxF) - OSY (formerly Clow R/W F6136 - OSY) Model: 375DAMS (2-1/2") Clow R/W Model 2640 (FxF) - OSY (formerly Clow R/W F6136 - OSY) Model: 375DAMS (3") Clow R/W Model 2640 (FxF) - OSY (formerly Clow R/W F6136 - OSY) Model: 375DAMS (3") Clow R/W Model 2640 (FxF) - OSY (formerly Clow R/W F6136 - OSY) Model: 375DAMS (8 inch) Clow R/W Model 2640 (FxF) - OSY (formerly Clow R/W F6136 - OSY) Model: 375MS (8 inch) Clow R/W Model 2640 (FxF) - OSY (formerly Clow R/W F6136 - OSY) Model: 450 (2-1/2 inch) Clow R/W Model 2640 (FxF) - OSY (formerly Clow R/W F6136 - OSY) Model: 450 (3 inch) Clow R/W Model 2640 (FxF) - OSY (formerly Clow R/W F6136 - OSY) Model: 450 (4 inch) Clow R/W Model 2640 (FxF) - OSY (formerly Clow R/W F6136 - OSY) Model: 450 (6 inch) Clow R/W Model 2640 (FxF) - OSY (formerly Clow R/W F6136 - OSY) Model: 450DA (4 inch) Clow R/W Model 2640 (FxF) - OSY (formerly Clow R/W F6136 - OSY) Model: 450DA (6 inch) Clow R/W Model 2640 (FxF) - OSY (formerly Clow R/W F6136 - OSY) Model: 450V (6 inch) Clow R/W Model 2640 (FxF) - OSY (formerly Clow R/W F6136 - OSY) Model: 475 (4 inch) Clow R/W Model 2640 (FxF) - OSY (formerly Clow R/W F6136 - OSY) Model: 475 (8 inch) Clow R/W Model 2640 (FxF) - OSY (formerly Clow R/W F6136 - OSY) Model: 475DA (4 inch) Clow R/W Model 2640 (FxF) - OSY (formerly Clow R/W F6136 - OSY) Model: 475DAMS (4 inch)

Clow R/W Model 2640 (FxF) - OSY (formerly Clow R/W F6136 - OSY) Model: 475DAV (4 inch) Clow R/W Model 2640 (FxF) - OSY (formerly Clow R/W F6136 - OSY) Model: 475DAVMS (4 inch) Clow R/W Model 2640 (FxF) - OSY (formerly Clow R/W F6136 - OSY) Model: 475MS (4 inch) Clow R/W Model 2640 (FxF) - OSY (formerly Clow R/W F6136 - OSY) Model: 475MS (8 inch) Clow R/W Model 2640 (FxF) - OSY (formerly Clow R/W F6136 - OSY) Model: 475V (4 inch) Clow R/W Model 2640 (FxF) - OSY (formerly Clow R/W F6136 - OSY) Model: 475V (8 inch) Clow R/W Model 2640 (FxF) - OSY (formerly Clow R/W F6136 - OSY) Model: 475VMS (6 inch) Clow R/W Model 2640 (FxF) - OSY (formerly Clow R/W F6136 - OSY) Model: 475VMS (8 inch) Clow R/W Model 2640 (FxF) - OSY (formerly Clow R/W F6136 - OSY) Model: 870V (10 inch) Clow R/W Model 2640 (FxF) - OSY (formerly Clow R/W F6136 - OSY) Model: 880V (10 inch) Clow R/W Model 2640 (FxF) - OSY (formerly Clow R/W F6136 - OSY) Model: 975MS (10 inch) Clow R/W Model 2640 (FxF) - OSY (formerly Clow R/W F6136 - OSY) Model: 975MS (8 inch) Clow R/W Model 2640 (FxF) - OSY (formerly Clow R/W F6136 - OSY) Model: B 91010 (8 inch) Clow R/W Model 2640 (FxF) - OSY Post Indicator/Tapping Valve (formerly Clow R/W F6136-OSY Post Indica Clow R/W Model 2640 (GxF)-OSY (4"-10") Post Indicator/Tapping Valve (formerly Clow R/W F6138-OSY Pos Conbraco Series IBVE-125-QT Enbee Model GV12 (flange by groove)-OSY Febco 622UQT Febco Series 620 QT Febco Series 620U-QT Febco Series 621 - QT Fortune Figure 620U-QT Fortune Firgure 620-QT (Formerly Fortune Figure 601 – QT) private labeled as: Ames, Buckner, Febco Fortune Firgure 620-QT (Formerly Fortune Figure 601 – QT) private labeled as: Ames, Buckner, Febco Model: 2000SS(2000SS-RS) (1-1/2) Fortune Firgure 620-QT (Formerly Fortune Figure 601 – QT) private labeled as: Ames, Buckner, Febco Model: 2000SS(2000SS-RS) (2 inch) Kennedy Figure 02G - Butterfly Valve (8" Kennedy Figure G300E - Butterfl Valve (4", 6") Kennedý Ken Seal I - NRS Kennedy Ken Seal I - OSY Kennedy Ken Seal I - OSY Kennedy Mod. KS-RW Figure 7701 (FxF)-NRS (4"-10") Post Indicator/Tapping (form. Kennedy Ken Seal II) Kennedy Model KS-FW Figure 8068 (FxF) - OSY (2 1/2" - 3") Kennedy Model KS-FW Figure 8701 Figure 8701 (FxF) - NRS (2 1/2" - 3") Kennedy Model KS-FW Figure 8701 Figure 8701 (FxF) - NRS (3" - 10") Post Indicator/Tapping Kennedy Model KS-RW Fig. 7592PABF (FxG) - NRS (form. Kennedy Series 7592PABF) Post Indicator/Tapping Kennedy Model KS-RW Figure 7068 (FxF)-OSY (4" - 10") (formerly Kennedy Ken Seal II - OSY) Kennedy Model KS-RW Figure 7092 (FxG) - OSY (formerly Kennedy Series 7092 (GxF) - OSY) Model: Colt 400 (10") Kennedy Model KS-RW Figure 7093 (FxG) - OSY Kennedy Model KS-RW Figure 7093 (GxG) -OSY Kennedy Model KS-RW Figure 7093ABF (GKG) - OSY Kennedy Model KS-RW Figure 7561 (FxF) - NRS (4"-10") (formerly Kennedy Ken Seal II - NRS) Kennedy Model KS-RW Figure 7592 (FxG) - NRS (formerly Kennedy Series 7592ABF-NRS) Model: Colt 400 (10") Kennedy Model KS-RW Figure 7593 (GxG) - NRS Kennedy Model KS-RW Figure 7593ABF (GxG) - NRS Kennedy Model KS-RW Figure 7593PABF (GxG) - NRS Post Indicator Lee Brass - QT M&H Model 4067-02 (NRS M&H Model 4068-02 (OSY) Matco Norca 105U (OSY) Matco-Norca 10RW (NRS) Mueller Model A2360-NRS Mueller Model R2360-OSY Mueller R/W HP NRS Mueller R/W HP OSY Ningbo Ball Valves (Febco Series 622-QT, Watts Series 855-QT & Wilkins Series 855-QT) Shutoff Valve is integral part of assembly Stockham Model G-610 (OSY) Toro/Orion Integral Ball Valve - QT Unon Model GV12 (flange by groove)-OSY Victaulic Series 702 (Butterfly valves) Watts 405 - RW Watts 408 - OSY Watts 409 RW 2" -OSY Watts 409RW (FxF) -OSY Model: 4000 RP (4000 RP-RS) (10 inch) Watts 409RW (FxG) -OSY Model: 4000 RP (4000 RP-RS) (10 inch) Watts 409kW (FxG) -OSY Model: 4000 kP (4000 kP-RS) (10 inch) Watts Figure FBV (& FBV-E) - QT (Ames Figure FBV (FBV-E)-QT) Model: 009M2QT(LF)(PC) (1 inch) Watts Figure FBV (& FBV-E) - QT (Ames Figure FBV (FBV-E)-QT) Model: 009M2QT(LF)(PC) (2 inch) Watts Figure FBV (& FBV-E) - QT (Ames Figure FBV (FBV-E)-QT) Model: 009M3-QT (LF) (3/4 inch) Watts Figure FBV (& FBV-E) - QT (Ames Figure FBV (FBV-E)-QT) Model: 2000B M3 (3/4 inch) Watts Figure FBV (& FBV-E) - QT (Ames Figure FBV (FBV-E)-QT) Model: 2000B M3 (3/4 inch) Watts Figure FBV (& FBV-E) - QT (Ames Figure FBV (FBV-E)-QT) Model: 2001 (2001-RS) (1 inch) Watts Figure FBV (& FBV-E) - QT (Ames Figure FBV (FBV-E)-QT) Model: 2001 (2001-RS) (1/2 inch) Watts Figure FBV (& FBV-E) - QT (Ames Figure FBV (FBV-E)-QT) Model: 2001 (2001-RS) (3/4 inch) Watts Figure FBV (& FBV-E) - QT (Ames Figure FBV (FBV-E)-QT) Model: 2001 (2001-RS) (3/4 inch) Watts Figure FBV (& FBV-E) - QT (Ames Figure FBV (FBV-E)-QT) Model: 4000BM3 (3/4 inch) Watts Figure FBV (& FBV-E) - QT (Ames Figure FBV (FBV-E)-QT) Model: 4001 (4001-RS) (1 inch) Watts Figure FBV (& FBV-E) - QT (Ames Figure FBV (FBV-E)-QT) Model: 4001 (4001-RS) (1/2 inch) ASSE Seal Authorizations - January 23, 2019

Watts Figure FBV (& FBV-E) - QT (Ames Figure FBV (FBV-E)-QT) Model: 4001 (4001-RS) (3/4 inch)
Watts Figure FBV (& FBV-E) - QT (Ames Figure FBV (FBV-E)-QT) Model: SS007M3QT (1/2 inch)
Watts Figure FBV (& FBV-E) - QT (Ames Figure FBV (FBV-E)-QT) Model: SS007M3QT (3/4 inch)
Watts Figure FBV (& FBV-E) - QT (Ames Figure FBV (FBV-E)-QT) Model: SS009M3QT (1/2 inch)
Watts Figure FBV (& FBV-E) - QT (Ames Figure FBV (FBV-E)-QT) Model: SS009M3QT (1/4 inch)
Watts Figure FBV (& FBV-E) - QT (Ames Figure FBV (FBV-E)-QT) Model: SS009M3QT (3/4 inch)
Watts Figure FBV (& FBV-E) - QT (Ames Figure FBV (FBV-E)-QT) Model: SS009M3QT (3/8 inch)
Watts Figure FBV (& FBV-E) - QT (Ames Figure FBV (FBV-E)-QT) Model: U009M1QT(LF)(PC) (1-1/2 inch)
Watts Figure FBV (& FBV-E) - QT (Ames Figure FBV (FBV-E)-QT) Model: U009M1QT(LF)(PC) (1-1/4 inch)
Watts Figure FBV (& FBV-E) - QT (Ames Figure FBV (FBV-E)-QT) Model: U009M1QT(LF)(PC) (2 inch)
Watts Figure FBV (& FBV-E) - QT (Ames Figure FBV (FBV-E)-QT) Model: U919-QT (LF-U919-QT) (2 inch)
Watts Figure L-FBV-QT, Ames Figure L-FBV-QT, FEBCO Figure L-FBV-QT
Watts Figure LF-FBV-QT
Watts Figure S-FBV (S-FBV-E)-QT
Watts G4000FDA - QT
Watts Series 6080 (& 6080-E) - QT
Wilkins Model 48 (FxF) - NRS (2 1/2" - 6")
Wilkins Model 48 (FxF) - NRS (2 1/2" - 6")Post Indicator/Tapping Valve
Wilkins Model 48 (FxF) - OSY (2 1/2" - 6")
Wilkins Model 48 (GxF) - NRS (2 1/2" - 6")
Wilkins Model 48 (GxF) - NRS (2 1/2" - 6") Post Indicator/Tapping Valve
Wilkins Model 48 (GXF) - OSY (2 1/2" -6")
Wilkins Model 48 (GXG) - NRS (2 1/2" -6") Post Indicator/Tapping Valve
Wilkins Model 48 (GXG) - NRS(2 1/2" -6")
Wilkins Model 48 (GXG) - OSY (2 1/2" -6")
Wilkins Series 34-350XL-QT
Wilkins Series 34-350XL -QT