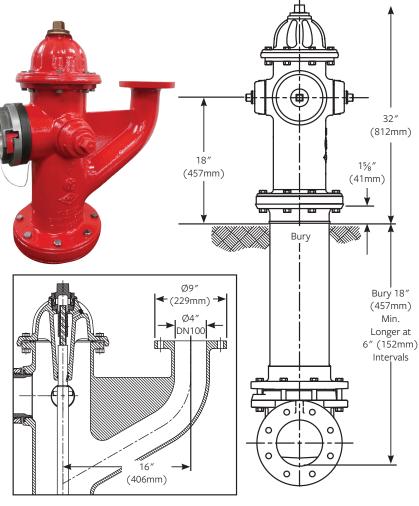
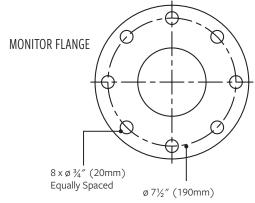
MUELLER

SUPER CENTURION® MONITOR HYDRANT

PRODUCT FEATURES

- Model A-479HP, 4-Way Hydrant maximum working pressure 350psig/24barg (2400kPa); test pressure 700psig/48barg (4800kPa).
- Integral 4"/DN100 Monitor elbow.
- UL Listed and FM Approved
- Meets or exceeds all applicable requirements of ANSI/AWWA C502 Standard and certified to ANSI/NSF 61/372.
- O-ring sealed Bonnet, Ground, and Shoe Flange
 better leak resistance, easier maintenance.
- Stem E-Coated for Corrosion Resistance.
- O-ring sealed Oil Reservoir with Filler Plug permits easy check of oil level and refill without removing Bonnet; filled at factory.
- Operating mechanism lubrication automatic lubrication of Stem threads and bearing surfaces each time Hydrant is operated.
- Full flow performance large radius Hose and Pumper openings and conical Upper Valve Plate reduce turbulence and provide low friction loss.
- Field replaceable, O-ring sealed Hose and Pumper Nozzles – threaded in place and retained by Stainless Steel locks. NST or BSP Nozzle threads available. Integral Storz connector (as shown) also available to order.
- O-ring sealed Bronze Seat Ring –
 Resists corrosion and easily removed for maintenance through top of Hydrant.
- Traffic Flange and Stainless Steel Stem Coupling if
 Hydrant is struck, Flange and Coupling break free preventing
 damage to Stem and main Valve, and uncontrolled Water flow
 Coupling will not break into pieces that could drop down and
 affect Valve operation. Reusable Clip is easy to use. Repair is
 simple and economical.
- Double Bronze Drains each time main Valve opens or closes, drain Valves force-flush drain openings to keep them open for effective barrel drainage.
- Inlet Connections: 6"/DN150 Flanged ANSI B16.1 Class 125 Flat Face (optional PN10, PN16 drilling). Mechanical Joint and other Inlet Connections available

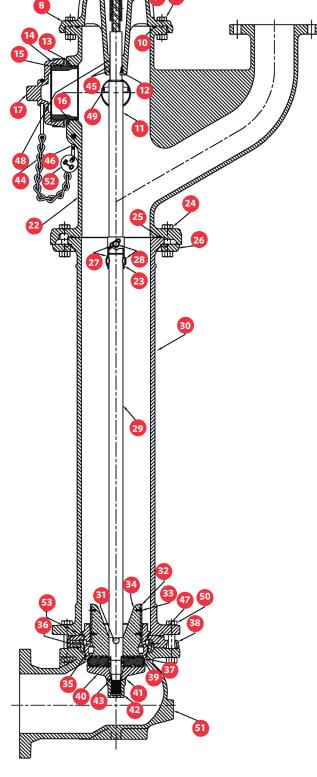




PARTS LIST

1	ID	PART NAME	MATERIAL
### Hold Down Nut O-ring ### Rubber ASTM D2000 BUNA N Bronze ASTM B62 ### Bonnet O-Ring ### Rubber ASTM D2000 BUNA N Actal ### Ac	1	Operating Nut	Bronze ASTM B62
4 Hold Down Nut Bronze ASTM B62 5 Bonnet O-Ring Rubber ASTM D2000 BUNA N 6 Anti-friction Washer Acetal 7 Oil Plug Brass ASTM B16 8 Bonnet Cast Iron ASTM A126 CL.B 9 Bonnet Bolt and Nut Steel/SAE J995 10 Top Upper Barrel O-Ring Rubber ASTM D2000 BUNA N 11 Upper Stem Steel ASTM A576 12 Upper Stem O-Ring Rubber ASTM D2000 BUNA N 13 Nozzle Lock Stainless Steel ASTM A276 14 Pumper Nozzle Gasket Rubber ASTM D2000 Neoprene 16 Pumper Nozzle O-Ring Rubber ASTM D2000 Neoprene 16 Pumper Nozzle Cap Cast Iron ASTM A126 CL.B 17 Pumper Nozzle Cap Cast Iron ASTM A126 CL.B 18 Hose Nozzle Gasket Rubber ASTM D2000 Neoprene 19 Hose Nozzle Gasket Rubber ASTM D2000 Neoprene 19 Hose Nozzle Gasket Rubber ASTM D2000 Neoprene 19 Hose Nozzle Cap Cast Iron ASTM A126 CL.B 19 Hose Nozzle Cap Cast Iron ASTM A126 CL.B 20 Upper Barrel Ductile Iron ASTM A126 CL.B 21 Upper Barrel Ductile Iron ASTM A126 CL.B 22 Upper Barrel Ductile Iron ASTM A126 CL.B 23 Stem Coupling Stainless Steel ASTM A890 24 Traffic Flange O-Ring Rubber ASTM D2000 BUNA N 25 Traffic Flange O-Ring Rubber ASTM D2000 BUNA N 26 Traffic Flange Cast Iron ASTM A126 CL.B 27 Reusable Clip Stainless Steel ASTM A890 28 Clevis Pin Stainless Steel ASTM A276 29 Lower Stem Steel ASTM A276 30 Lower Barrel Cast Iron ASTM A126 CL.B 31 Lower Stem Steel ASTM A276 32 Drain Valve Facing Plastic 33 Drain Valve Screw Stainless Steel ASTM A582 34 Upper Valve Plate (Includes 32 and 33) Brass ASTM B584 35 Seat Ring Bottom O-Ring Brosz ASTM B584 36 Drain Ring Housing Cast Iron ASTM A126 CL.B 37 Seat Ring Brass ASTM B584 38 Drain Ring Housing Cast Iron ASTM A126 CL.B 39 Reversible Reinforced Rubber ASTM D2000 BUNA N 40 Lower Valve Plate Cast Iron ASTM A126 CL.B 41 Lock Washer Stainless Steel ASTM A276 42 Lower Valve Plate Cast Iron ASTM A126 CL.B 43 Nut Seal Rubber ASTM D2000 BUNA N 44 Cap Chains Galvanized Steel 45 Stem O-Ring (Bonnet Side) Rubber ASTM D2000 BUNA N 46 Chain Hook Galvanized Steel 47 Drain Ring Housing O-Ring Rubber ASTM D2000 BUNA N 51 Shoe Ductile Iron ASTM A126 CL.B	2	Wiper Ring	Rubber ASTM D2000 EPDM
Bonnet O-Ring	3	Hold Down Nut O-ring	Rubber ASTM D2000 BUNA N
6 Anti-friction Washer Acetal 7 Oil Plug Brass ASTM B16 8 Bonnet Cast Iron ASTM A126 CL.B 9 Bonnet Bolt and Nut Steel/SAE J995 10 Top Upper Barrel O-Ring Rubber ASTM D2000 BUNA N 11 Upper Stem Steel ASTM A276 12 Upper Stem O-Ring Rubber ASTM D2000 BUNA N 13 Nozzle Lock Stainless Steel ASTM A276 14 Pumper Nozzle Gasket Rubber ASTM D2000 Neoprene 16 Pumper Nozzle Gasket Rubber ASTM D2000 BUNA N 17 Pumper Nozzle Cap Cast Iron ASTM A126 CL.B 18 Hose Nozzle Brass ASTM B584 18 Hose Nozzle Gasket Rubber ASTM D2000 Neoprene 19 Hose Nozzle Cap Cast Iron ASTM A126 CL.B 19 Hose Nozzle Cap Cast Iron ASTM A126 CL.B 20 Upper Barrel Ductile Iron ASTM A536 21 Traffic Flange Bolt and Nut Steel SAE J429/SAE J995 22 Traffic Flange O-Ring Rubber ASTM D2000 BUNA N 24 Traffic Flange O-Ring Rubber ASTM D2000 BUNA N 25 Traffic Flange C-Ring Rubber ASTM D2000 BUNA N 26 Traffic Flange C-Ring Rubber ASTM D2000 BUNA N 27 Reusable Clip Stainless Steel ASTM A276 28 Clevis Pin Stainless Steel ASTM A276 29 Lower Stem Steel ASTM A276 29 Lower Stem Steel ASTM A276 20 Lower Stem Steel ASTM A276 21 Lower Stem Steel ASTM A276 22 Lower Stem Steel ASTM A582 23 Drain Valve Facing Plastic 24 Upper Valve Plate (Includes 32 and 33) 25 Seat Ring Bottom O-Ring Brass ASTM B584 26 Drain Ring Housing Cast Iron ASTM A126 CL.B 27 Revasible Reinforced ASTM D2000 BUNA N 28 Drain Ring Housing Cast Iron ASTM A126 CL.B 39 Reversible Reinforced ASTM D2000 BUNA N 30 Cast Iron ASTM A126 CL.B 31 Lock Washer ASTM D2000 BUNA N 31 Cast Iron ASTM A126 CL.B 32 Seat Ring Brass ASTM B584 33 Drain Ring Housing Cast Iron ASTM A126 CL.B 34 Nut Seal Rubber ASTM D2000 BUNA N 35 Seat Ring Brass ASTM B584 36 Drain Ring Housing Cast Iron ASTM A126 CL.B 37 Seat Ring Brass ASTM B584 38 Drain Ring Housing Cast Iron ASTM A126 CL.B 39 Reversible Re	4	Hold Down Nut	Bronze ASTM B62
7 Oil Plug Brass ASTM B16 8 Bonnet Cast Iron ASTM A126 CL.B 9 Bonnet Bolt and Nut Steel/SAE J995 10 Top Upper Barrel O-Ring Rubber ASTM D2000 BUNA N 11 Upper Stem Steel ASTM A276 12 Upper Stem O-Ring Rubber ASTM D2000 BUNA N 13 Nozzle Lock Stainless Steel ASTM A276 14 Pumper Nozzle Gasket Rubber ASTM D2000 Neoprene 16 Pumper Nozzle O-Ring Rubber ASTM D2000 Neoprene 16 Pumper Nozzle Gasket Rubber ASTM D2000 Neoprene 16 Pumper Nozzle Cap Cast Iron ASTM A126 CL.B **18 Hose Nozzle Brass ASTM B584 17 Pumper Nozzle Cap Cast Iron ASTM A126 CL.B **20 Hose Nozzle Gasket Rubber ASTM D2000 Neoprene 18*20 Hose Nozzle Gasket Rubber ASTM D2000 Neoprene 18*21 Hose Nozzle Cap Cast Iron ASTM A126 CL.B 18*22 Upper Barrel Ductile Iron ASTM A126 CL.B 22 Upper Barrel Ductile Iron ASTM A126 CL.B 23 Stem Coupling Stainless Steel ASTM A890 24 Traffic Flange O-Ring Rubber ASTM D2000 BUNA N 25 Traffic Flange O-Ring Rubber ASTM D2000 BUNA N 26 Traffic Flange Cast Iron ASTM A126 CL.B 27 Reusable Clip Stainless Steel ASTM A276 28 Clevis Pin Stainless Steel ASTM A276 29 Lower Stem Steel ASTM A576 30 Lower Barrel Cast Iron ASTM A126 CL.B 31 Lower Stem Steel ASTM A576 30 Lower Stem Steel ASTM A576 31 Lower Stem Steel ASTM A576 32 Drain Valve Facing Plastic 33 Drain Valve Facing Plastic 34 (Includes 32 and 33) 35 Seat Ring Brass ASTM B584 40 Drain Ring Bottom O-Ring Brass ASTM B584 41 Lock Washer Stainless Steel ASTM A276 42 Lower Valve Plate Cast Iron ASTM A126 CL.B 43 Nut Seal Reversible Reinforced Iron Encapsulated Rubber ASTM D2000 40 Lower Valve Plate Cast Iron ASTM A126 CL.B 41 Lock Washer Stainless Steel ASTM A276 42 Lower Valve Plate Cast Iron ASTM A126 CL.B 43 Nut Seal Rubber ASTM D2000 BUNA N 44 Cap Chains Galvanized Steel 45 Stem O-Ring (Bonnet Side) Cast Iron ASTM A126 CL.B 51 Shoe Ductile Iron ASTM B58 52 Bury Tag Stainless Steel ASTM A290 51 Shoe Bolt and Nut Steel SAE J429/SAE J995 53 Top Seat O-Ring Stainless Steel ASTM A240	5	Bonnet O-Ring	Rubber ASTM D2000 BUNA N
8 Bonnet Cast Iron ASTM A126 CL.B 9 Bonnet Bolt and Nut Steel/SAE J995 10 Top Upper Barrel O-Ring Rubber ASTM D2000 BUNA N 11 Upper Stem Steel ASTM A576 12 Upper Stem O-Ring Rubber ASTM D2000 BUNA N 13 Nozzle Lock Stainless Steel ASTM A276 14 Pumper Nozzle Brass ASTM B584 15 Pumper Nozzle Gasket Rubber ASTM D2000 Neoprene 16 Pumper Nozzle Cap Rubber ASTM D2000 Neoprene 16 Pumper Nozzle Cap Rubber ASTM D2000 Neoprene 17 Pumper Nozzle Cap Rubber ASTM D2000 Neoprene 18 Hose Nozzle Gasket Rubber ASTM D2000 Neoprene 19 Hose Nozzle Gasket Rubber ASTM D2000 Neoprene 19 Hose Nozzle Cap Cast Iron ASTM A126 CL.B 19 Hose Nozzle Cap Cast Iron ASTM A126 CL.B 20 Upper Barrel Ductile Iron ASTM A536 21 Traffic Flange O-Ring Rubber ASTM D2000 BUNA N 21 Traffic Flange O-Ring Stainless Steel ASTM A890 22 Traffic Flange O-Ring Rubber ASTM D2000 BUNA N 23 Stem Coupling Stainless Steel ASTM A890 24 Traffic Flange Cast Iron ASTM A126 CL.B 25 Traffic Flange Cast Iron ASTM A126 CL.B 26 Clevis Pin Stainless Steel ASTM A276 27 Reusable Clip Stainless Steel ASTM A276 28 Clevis Pin Stainless Steel ASTM A276 29 Lower Stem Steel ASTM A276 30 Lower Barrel Cast Iron ASTM A126 CL.B 31 Lower Stem Stainless Steel ASTM A582 32 Drain Valve Facing Plastic 33 Drain Valve Facing Plastic 34 Upper Valve Plate (Includes 32 and 33) 35 Seat Ring Bottom O-Ring Brass ASTM B584 46 Upper Valve Plate (Includes 32 and 33) 47 Seat Ring Brass ASTM B584 48 Drain Ring Housing Cast Iron ASTM A126 CL.B 49 Reversible Reinforced Main Valve ASTM D2000 BUNA N 40 Lower Valve Plate Nut Cast Iron ASTM A126 CL.B 41 Lock Washer Stainless Steel ASTM A276 42 Lower Valve Plate Nut Cast Iron ASTM A126 CL.B 43 Nut Seal Reversible Reinforced Main Valve ASTM D2000 BUNA N 44 Cap Chains Galvanized Steel 45 Stem O-Ring Bonnet Side) Rubber ASTM D2000 BUNA N 46 Chain Hook Galvanized Steel 47 Drain Ring Housing O-Ring Rubber ASTM D2000 BUNA N 48 Sleeve Copper ASTM B52 50 Shoe Bolt and Nut Steel SAE J429/SAE J995 51 Shoe Ductile Iron ASTM A536 52 Bury Tag Stainless Steel ASTM A240	6	Anti-friction Washer	Acetal
9 Bonnet Bolt and Nut 10 Top Upper Barrel O-Ring 11 Upper Stem Steel ASTM AS76 12 Upper Stem O-Ring Rubber ASTM D2000 BUNA N 13 Nozzle Lock Stainless Steel ASTM A276 14 Pumper Nozzle Brass ASTM B584 15 Pumper Nozzle Gasket Rubber ASTM D2000 BUNA N 16 Pumper Nozzle Gasket Rubber ASTM D2000 Reoprene 17 Pumper Nozzle Cap Cast Iron ASTM A126 CL.B 18 Hose Nozzle Gasket Rubber ASTM D2000 Neoprene 18 Hose Nozzle Gasket Rubber ASTM D2000 Neoprene 19 Rubber ASTM D2000 Neoprene 19 Lose Nozzle Gap Cast Iron ASTM A126 CL.B 20 Upper Barrel Ductile Iron ASTM A126 CL.B 21 Upper Barrel Ductile Iron ASTM A536 22 Upper Barrel Ductile Iron ASTM A536 23 Stem Coupling Stainless Steel ASTM A890 24 Traffic Flange Bolt and Nut Steel SAE J429/SAE J995 25 Traffic Flange O-Ring Rubber ASTM D2000 BUNA N 26 Traffic Flange Cast Iron ASTM A126 CL.B 27 Reusable Clip Stainless Steel ASTM A276 28 Clevis Pin Stainless Steel ASTM A276 29 Lower Stem Steel ASTM A576 30 Lower Barrel Cast Iron ASTM A126 CL.B 31 Lower Stem Pin Stainless Steel ASTM A576 30 Lower Stem Pin Stainless Steel ASTM A576 31 Lower Stem Pin Stainless Steel ASTM A576 32 Drain Valve Facing Plastic 33 Drain Valve Facing Brass ASTM B584 34 Upper Valve Plate (Includes 32 and 33) 35 Seat Ring Bottom O-Ring Brass ASTM B584 36 Drain Ring Housing Cast Iron ASTM A126 CL.B 37 Seat Ring Brass ASTM B62 38 Drain Ring Housing Cast Iron ASTM A126 CL.B 40 Lower Valve Plate Cast Iron ASTM A126 CL.B 41 Lock Washer Stainless Steel ASTM A276 42 Lower Valve Plate Cast Iron ASTM A126 CL.B 43 Nut Seal Rubber ASTM D2000 BUNA N 44 Cap Chains Galvarized Steel 45 Stem O-Ring (Bonnet Side) Rubber ASTM D2000 BUNA N 46 Chain Hook Galvarized Steel 47 Drain Ring Housing O-Ring Rubber ASTM D2000 BUNA N 48 Sleeve Copper ASTM B52 50 Shoe Bolt and Nut Steel SAE J429/SAE J995	7	Oil Plug	Brass ASTM B16
10Top Upper Barrel O-RingRubber ASTM D2000 BUNA N11Upper StemSteel ASTM AS7612Upper Stem O-RingRubber ASTM D2000 BUNA N13Nozzle LockStainless Steel ASTM A27614Pumper NozzleBrass ASTM B58415Pumper Nozzle O-RingRubber ASTM D2000 Neoprene16Pumper Nozzle CapRubber ASTM D2000 BUNA N17Pumper Nozzle CapCast Iron ASTM A126 CL.B**18Hose Nozzle GasketRubber ASTM D2000 Neoprene**20Hose Nozzle CapCast Iron ASTM A126 CL.B**21Hose Nozzle CapCast Iron ASTM A126 CL.B22Upper BarrelDuctile Iron ASTM A53623Stem CouplingStainless Steel ASTM A89024Traffic Flange Bolt and NutSteel SAE J429/SAE J99525Traffic Flange O-RingRubber ASTM D2000 BUNA N26Traffic FlangeCast Iron ASTM A126 CL. B27Reusable ClipStainless Steel ASTM A27628Clevis PinStainless Steel ASTM A27629Lower StemSteel ASTM A57630Lower Stem PinStainless Steel ASTM A5631Lower Stem PinStainless Steel ASTM A5632Drain Valve FacingPlastic33Drain Valve FacingPlastic34Upper Valve Plate (Includes 32 and 33)Brass ASTM B58435Seat Ring Bottom O-RingBroase ASTM D2000 BUNA N36Drain Ring HousingCast Iron ASTM A126 CL.B39Reversible Reinforced<	8	Bonnet	
11 Upper Stem O-Ring Rubber ASTM D2000 BUNA N 13 Nozzle Lock Stainless Steel ASTM A276 14 Pumper Nozzle Brass ASTM B584 15 Pumper Nozzle Gasket Rubber ASTM D2000 Neoprene 16 Pumper Nozzle Cap Rubber ASTM D2000 BUNA N 17 Pumper Nozzle Cap Rubber ASTM D2000 BUNA N 17 Pumper Nozzle Cap Cast Iron ASTM A126 CL.B 18 Hose Nozzle Gasket Rubber ASTM D2000 Neoprene 19 Hose Nozzle Gasket Rubber ASTM D2000 Neoprene 19 Hose Nozzle Gasket Rubber ASTM D2000 Neoprene 19 Rubber ASTM D2000 Neoprene 19 Rubber ASTM D2000 Neoprene 19 Rubber ASTM D2000 BUNA N 19 Hose Nozzle Cap Cast Iron ASTM A126 CL.B 20 Upper Barrel Ductile Iron ASTM A126 CL.B 21 Upper Barrel Ductile Iron ASTM A536 22 Upper Barrel Ductile Iron ASTM A536 23 Stem Coupling Stainless Steel ASTM A890 24 Traffic Flange O-Ring Rubber ASTM D2000 BUNA N 25 Traffic Flange Cast Iron ASTM D2000 BUNA N 26 Traffic Flange Cast Iron ASTM A126 CL.B 27 Reusable Clip Stainless Steel ASTM A276 28 Clevis Pin Stainless Steel ASTM A276 29 Lower Stem Steel ASTM A276 29 Lower Stem Steel ASTM A276 29 Lower Stem Steel ASTM A576 30 Lower Barrel Cast Iron ASTM A126 CL.B 31 Lower Stem Pin Stainless Steel ASTM A576 32 Drain Valve Facing Plastic 33 Drain Valve Screw Stainless Steel ASTM A276 34 Upper Valve Plate (Includes 32 and 33) 35 Seat Ring Bottom O-Ring Rubber ASTM D2000 BUNA N 36 Drain Ring Bottom O-Ring Brass ASTM B584 37 Seat Ring Bottom O-Ring Rubber ASTM D2000 BUNA N 38 Drain Ring Housing Cast Iron ASTM A126 CL.B 39 Reversible Reinforced Main Valve ASTM D2000 BUNA N 40 Lower Valve Plate Cast Iron ASTM A126 CL.B 41 Lock Washer Stainless Steel ASTM A276 42 Lower Valve Plate Nut Cast Iron ASTM A126 CL.B 43 Nut Seal Rubber ASTM D2000 BUNA N 44 Cap Chains Galvanized Steel 45 Stem O-Ring (Bonnet Side) Rubber ASTM D2000 BUNA N 46 Chain Hook Galvanized Steel 47 Drain Ring Housing O-Ring Rubber ASTM D2000 BUNA N 48 Sleeve Copper ASTM B75 50 Shoe Bolt and Nut Steel SAE J429/SAE J995 51 Shoe Ductile Iron ASTM A536 52 Bury Tag Steel SAE M3290	9	Bonnet Bolt and Nut	Steel/SAE J995
12Upper Stem O-RingRubber ASTM D2000 BUNA N13Nozzle LockStainless Steel ASTM A27614Pumper Nozzle GasketRubber ASTM D2000 Neoprene16Pumper Nozzle O-RingRubber ASTM D2000 BUNA N17Pumper Nozzle CapCast Iron ASTM A126 CL.B**18Hose Nozzle GasketRubber ASTM D2000 Neoprene**20Hose Nozzle GasketRubber ASTM D2000 Neoprene**20Hose Nozzle GapCast Iron ASTM A126 CL.B**21Hose Nozzle CapCast Iron ASTM D2000 Neoprene**22Upper BarrelDuctile Iron ASTM A126 CL.B23Stem CouplingStainless Steel ASTM A89024Traffic Flange Bolt and NutSteel SAE J429/SAE J99525Traffic Flange O-RingCast Iron ASTM A126 CL.B26Traffic FlangeCast Iron ASTM A126 CL.B27Reusable ClipStainless Steel ASTM A27628Clevis PinStainless Steel ASTM A27629Lower StemSteel ASTM A57630Lower BarrelCast Iron ASTM A126 CL.B31Lower Stem DinStainless Steel ASTM A58232Drain Valve FacingPlastic33Drain Valve ScrewStainless Steel ASTM A57634Upper Valve Plate (Includes 32 and 33)Brass ASTM B58435Seat Ring Bottom O-RingRubber ASTM D2000 BUNA N36Drain Ring HousingCast Iron ASTM A126 CL.B39Reversible Reinforced Main ValveASTM D2000 BUNA N40Lower Valve Plate NutC	_		
13Nozzle LockStainless Steel ASTM A27614Pumper NozzleBrass ASTM B58415Pumper Nozzle GasketRubber ASTM D2000 Neoprene16Pumper Nozzle CapRubber ASTM D2000 BUNA N17Pumper Nozzle CapCast Iron ASTM A126 CL.B**18Hose Nozzle GasketRubber ASTM D2000 Neoprene**20Hose Nozzle O-RingRubber ASTM D2000 Neoprene**21Hose Nozzle CapCast Iron ASTM A126 CL.B22Upper BarrelDuctile Iron ASTM A126 CL.B23Stem CouplingStainless Steel ASTM A89024Traffic Flange Bolt and NutSteel SAE J429/SAE J99525Traffic Flange O-RingRubber ASTM D2000 BUNA N26Traffic FlangeCast Iron ASTM A126 CL. B27Reusable ClipStainless Steel ASTM A27628Clevis PinStainless Steel ASTM A57630Lower StemSteel ASTM A57630Lower BarrelCast Iron ASTM A126 CL.B31Lower Stem PinStainless Steel ASTM A58232Drain Valve FacingPlastic34Upper Valve Plate (Includes 32 and 33)Brass ASTM B58435Seat Ring Bottom O-RingRubber ASTM D2000 BUNA N36Drain RingBrass ASTM B6237Seat RingBrass ASTM B6238Drain Ring HousingCast Iron ASTM A126 CL.B40Lower Valve PlateCast Iron ASTM A126 CL.B41Lock WasherStainless Steel ASTM A27642Lower Valve Plate Nut<	11		
14 Pumper Nozzle Gasket 15 Pumper Nozzle Gasket 16 Pumper Nozzle O-Ring 17 Pumper Nozzle Cap 18 Hose Nozzle Cap 19 Cast Iron ASTM D2000 BUNA N 19 Hose Nozzle Gasket 19 Hose Nozzle Gasket 19 Hose Nozzle Gasket 19 Hose Nozzle Gasket 19 Hose Nozzle Cap 20 Hose Nozzle Cap 21 Hose Nozzle Cap 22 Upper Barrel 23 Stem Coupling 24 Traffic Flange Bolt and Nut 25 Traffic Flange O-Ring 26 Cast Iron ASTM A126 CL.B 27 Reusable Clip 28 Clevis Pin 29 Lower Stem 29 Lower Stem 30 Lower Barrel 31 Lower Stem Pin 32 Drain Valve Screw 33 Drain Valve Screw 34 Upper Valve Plate (Includes 32 and 33) 35 Seat Ring Bottom O-Ring 36 Drain Ring 37 Seat Ring 38 Drain Ring Housing 39 Reversible Reinforced Main Valve 40 Lower Valve Plate Nat Nat Seal 41 Lock Washer 42 Lower Valve Plate Nat Nat Seal 43 Nut Seal 44 Cap Chains 45 Stem O-Ring (Bonnet Side) 46 Chain Hook 47 Drain Ring Housing O-Ring 48 Sleeve 49 Upper Stem Pin 51 Stainless Steel ASTM A276 52 Bury Tag 53 Steel Stainless Steel ASTM A276 53 Stainless Steel ASTM A276 54 Cast Iron ASTM A126 CL.B 55 Bury Tag 56 Stainless Steel ASTM A276 57 Stainless Steel ASTM A276 58 Cast Iron ASTM A126 CL.B 58 Cast Ring Brass ASTM B584 69 Cast Iron ASTM A126 CL.B 60 Cast Iron ASTM A126 CL.B 70 Seat Ring Brass ASTM B584 71 Cast Iron ASTM A126 CL.B 72 Reversible Reinforced Rain Valve Rain Ring Housing Cast Iron ASTM A126 CL.B 73 Reversible Reinforced Rain Valve Rain Ring Housing Cast Iron ASTM A126 CL.B 74 Cap Chains Galvanized Steel 75 Stem O-Ring (Bonnet Side) Rubber ASTM D2000 BUNA N 75 Steel SAE J429/SAE J995 75 Shoe Bolt and Nut Steel SAE J429/SAE J995 75 Shoe Bolt and Nut Steel SAE J429/SAE J995 75 Shoe Bolt and Nut Steel SAE J429/SAE J995 75 Steel SAE J429/SAE J995 75 Stainless Steel ASTM A536 76 Steel SAE J429/SAE J995 76 Stainless Steel ASTM A540		- 11	
15 Pumper Nozzle Gasket 16 Pumper Nozzle O-Ring 17 Pumper Nozzle Cap 18 Hose Nozzle Cap 19 Hose Nozzle Cap 20 Cast Iron ASTM A126 CL.B 21 Hose Nozzle O-Ring 22 Hose Nozzle Cap 23 Stem Coupling 24 Traffic Flange O-Ring 25 Traffic Flange O-Ring 26 Clevis Pin 27 Reusable Clip 28 Clevis Pin 39 Lower Stem Pin 30 Lower Stem Pin 31 Lower Stem Pin 32 Drain Valve Screw 33 Drain Valve Screw 34 (Includes 32 and 33) 35 Seat Ring Bottom O-Ring 36 Drain Ring Housing 37 Seat Ring 38 Drain Ring Housing 39 Reversible Reinforced Main Valve 40 Lower Valve Plate Nut Seal Steel ASTM A126 CL.B 41 Lock Washer 42 Lower Stem Coupling 43 Nut Seal 44 Cap Chains 45 Stem O-Ring 46 Chain Hook 47 Drain Ring Housing 48 Sleeve 49 Upper Stem Pin 51 Stainless Steel ASTM A276 52 Bury Tag 53 Cost Ring Bottom O-Ring 54 Cast Iron ASTM D2000 BUNA N 55 Stainless Steel ASTM A276 66 Cast Ring Bottom O-Ring 67 Cast Ring Brass ASTM B584 68 Cast Ring Bottom O-Ring 78 Seat Ring Brass ASTM B584 79 Cast Ring Brass ASTM B584 70 Cast Iron ASTM A126 CL.B 70 Cast Iron ASTM A126 CL.B 71 Cast Iron ASTM A126 CL.B 72 Cast Ring Brass ASTM B584 73 Seat Ring Brass ASTM B584 74 Cap Chains 75 Cast Iron ASTM A126 CL.B 76 Cast Iron ASTM A126 CL.B 77 Cast Iron ASTM A126 CL.B 78 Cast Iron ASTM A126 CL.B 79 Cast Iron ASTM A126 CL.B 80 Cast Iron ASTM A126 CL.B 81 Cast Iron ASTM A126 CL.B 82 Cast Iron ASTM A126 CL.B 83 Cast Iron ASTM A126 CL.B 84 Cap Chains 84 Cap Chains 85 Cast Iron ASTM A126 CL.B 86 Cast Iron ASTM A126 CL.B 86 Cast Iron ASTM A126 CL.B 87 Cast Iron ASTM A126 CL.B 87 Cast Iron ASTM A126 CL.B 88 Cast Iron ASTM A126 CL.B 89 Cast Iron ASTM A126 CL.B 80 Cast Iron ASTM A126 CL.B 80 Cast Iron ASTM A126 CL.B 81 Cast Iron ASTM A126 CL.B 82 Cast Iron ASTM A126 CL.B 83 Cast Iron ASTM A126 CL.B 84 Cast Iron ASTM A126 CL.B 84 Cast Iron ASTM A126 CL.B 84 Cast Iron ASTM A126 CL.B 85 Cast Iron ASTM A126 CL.B 86 Cast Iron ASTM A126 CL.B 87 Cast Iron ASTM A126 CL.B 87 Cast Iron ASTM A126 CL.B 87	-		
16Pumper Nozzle O-RingRubber ASTM D2000 BUNA N17Pumper Nozzle CapCast Iron ASTM A126 CL.B**18Hose NozzleBrass ASTM B584**19Hose Nozzle GasketRubber ASTM D2000 Neoprene**20Hose Nozzle CapCast Iron ASTM A126 CL.B**21Hose Nozzle CapCast Iron ASTM A126 CL.B22Upper BarrelDuctile Iron ASTM A53623Stem CouplingStainless Steel ASTM A89024Traffic Flange Bolt and NutSteel SAE J429/SAE J99525Traffic Flange O-RingRubber ASTM D2000 BUNA N26Traffic FlangeCast Iron ASTM A126 CL. B27Reusable ClipStainless Steel ASTM A27629Lower StemSteel ASTM A57630Lower Stem PinStainless Steel ASTM A126 CL.B31Lower Stem PinStainless Steel ASTM A126 CL.B32Drain Valve FacingPlastic33Drain Valve FacingPlastic34Upper Valve Plate (Includes 32 and 33)Brass ASTM B58435Seat Ring Bottom O-RingRubber ASTM D2000 BUNA N36Drain RingBronze ASTM B6237Seat RingBrass ASTM B58438Drain Ring HousingCast Iron ASTM A126 CL.B39Reversible Reinforced Main ValveIron Encapsulated Rubber ASTM D200040Lower Valve PlateCast Iron ASTM A126 CL.B41Lock WasherStainless Steel ASTM A27642Lower Valve Plate NutCast Iron ASTM A126 CL.B43			
17Pumper Nozzle Cap Hose NozzleCast Iron ASTM A126 CL.B**18Hose Nozzle GasketRubber ASTM D2000 Neoprene**20Hose Nozzle O-RingRubber ASTM D2000 BUNA N**21Hose Nozzle CapCast Iron ASTM A126 CL.B22Upper BarrelDuctile Iron ASTM A53623Stem CouplingStainless Steel ASTM A89024Traffic Flange Bolt and NutSteel SAE J429/SAE J99525Traffic Flange O-RingRubber ASTM D2000 BUNA N26Traffic FlangeCast Iron ASTM A126 CL. B27Reusable ClipStainless Steel ASTM A27628Clevis PinStainless Steel ASTM A27629Lower StemSteel ASTM A57630Lower BarrelCast Iron ASTM A126 CL.B31Lower Stem PinStainless Steel ASTM A58232Drain Valve FacingPlastic33Drain Valve FacingPlastic34Upper Valve Plate (Includes 32 and 33)Brass ASTM B58435Seat Ring Bottom O-RingRubber ASTM D2000 BUNA N36Drain RingBronze ASTM B6237Seat RingBrass ASTM B58438Drain Ring HousingCast Iron ASTM A126 CL.B39Reversible Reinforced Main ValveIron Encapsulated Rubber ASTM D200040Lower Valve PlateCast Iron ASTM A126 CL.B41Lock WasherStainless Steel ASTM A27642Lower Valve Plate NutCast Iron ASTM A126 CL.B43Nut SealRubber ASTM D2000 BUNA N4	-		
**18 Hose Nozzle Brass ASTM B584 **19 Hose Nozzle Gasket Rubber ASTM D2000 Neoprene **20 Hose Nozzle Cap Rubber ASTM D2000 BUNA N **21 Hose Nozzle Cap Cast Iron ASTM A126 CL.B 22 Upper Barrel Ductile Iron ASTM A536 23 Stem Coupling Stainless Steel ASTM A890 24 Traffic Flange Bolt and Nut Steel SAE J429/SAE J995 25 Traffic Flange O-Ring Rubber ASTM D2000 BUNA N 26 Traffic Flange Cast Iron ASTM A126 CL.B 27 Reusable Clip Stainless Steel I8-8 28 Clevis Pin Stainless Steel ASTM A276 29 Lower Stem Steel ASTM A576 30 Lower Barrel Cast Iron ASTM A126 CL.B 31 Lower Stem Pin Stainless Steel ASTM A582 32 Drain Valve Facing Plastic 33 Drain Valve Screw Stainless Steel ASTM A276 34 Upper Valve Plate (Includes 32 and 33) 35 Seat Ring Bottom O-Ring Bronze ASTM B584 36 Drain Ring Bronze ASTM B62 37 Seat Ring Bottom O-Ring Bronze ASTM B62 38 Drain Ring Bronze ASTM B62 39 Reversible Reinforced Main Valve ASTM D2000 BUNA N 40 Lower Valve Plate Cast Iron ASTM A126 CL.B 41 Lock Washer Stainless Steel ASTM A276 42 Lower Valve Plate Nut Cast Iron ASTM A126 CL.B 43 Nut Seal Rubber ASTM D2000 BUNA N 44 Cap Chains Galvanized Steel ASTM A276 45 Stem O-Ring (Bonnet Side) Galvanized Steel 46 Chain Hook Galvanized Steel 47 Drain Ring Housing O-Ring Rubber ASTM D2000 BUNA N 48 Sleeve Copper ASTM B75 49 Upper Stem Pin Stainless Steel ASTM A582 50 Shoe Bolt and Nut Steel SAE J429/SAE J995 51 Shoe Ductile Iron ASTM A540	_		
**19 Hose Nozzle Gasket Rubber ASTM D2000 Neoprene **20 Hose Nozzle O-Ring Rubber ASTM D2000 BUNA N **21 Hose Nozzle Cap Cast Iron ASTM A126 CL.B 22 Upper Barrel Ductile Iron ASTM A536 23 Stem Coupling Stainless Steel ASTM A890 24 Traffic Flange Bolt and Nut Steel SAE J429/SAE J995 25 Traffic Flange C-Ring Rubber ASTM D2000 BUNA N 26 Traffic Flange C-Ring Rubber ASTM D2000 BUNA N 26 Traffic Flange Cast Iron ASTM A126 CL. B 27 Reusable Clip Stainless Steel ASTM A276 29 Lower Stem Steel ASTM A576 20 Lower Stem Steel ASTM A576 30 Lower Stem Steel ASTM A126 CL. B 31 Lower Stem Pin Stainless Steel ASTM A276 32 Drain Valve Facing Plastic 33 Drain Valve Screw Stainless Steel ASTM A276 44 Upper Valve Plate (Includes 32 and 33) 35 Seat Ring Bottom O-Ring Rubber ASTM D2000 BUNA N 36 Drain Ring Brass ASTM B584 37 Seat Ring Brass ASTM B584 38 Drain Ring Housing Cast Iron ASTM A126 CL.B 40 Lower Valve Plate Nut Cast Iron ASTM A126 CL.B 41 Lock Washer Stainless Steel ASTM A276 42 Lower Valve Plate Nut Cast Iron ASTM A126 CL.B 43 Nut Seal Rubber ASTM D2000 BUNA N 44 Cap Chains Galvanized Steel ASTM A276 45 Stem O-Ring (Bonnet Side) Rubber ASTM D2000 BUNA N 46 Chain Hook Galvanized Steel 47 Drain Ring Housing O-Ring Rubber ASTM D2000 BUNA N 48 Sleeve Copper ASTM B75 49 Upper Stem Pin Stainless Steel ASTM A582 50 Shoe Bolt and Nut Steel SAE J429/SAE J995 51 Shoe Ductile Iron ASTM A536 52 Bury Tag Steel SAE J895 53 Top Seat O-Ring Stainless Steel ASTM A240			
**20 Hose Nozzle O-Ring Rubber ASTM D2000 BUNA N **21 Hose Nozzle Cap Cast Iron ASTM A126 CL.B 22 Upper Barrel Ductile Iron ASTM A536 23 Stem Coupling Stainless Steel ASTM A890 24 Traffic Flange Bolt and Nut Steel SAE J429/SAE J995 25 Traffic Flange O-Ring Rubber ASTM D2000 BUNA N 26 Traffic Flange Cast Iron ASTM A126 CL. B 27 Reusable Clip Stainless Steel ASTM A276 28 Clevis Pin Stainless Steel ASTM A276 29 Lower Stem Steel ASTM A576 30 Lower Barrel Cast Iron ASTM A126 CL. B 31 Lower Stem Pin Stainless Steel ASTM A576 30 Lower Barrel Cast Iron ASTM A126 CL.B 31 Lower Stem Pin Stainless Steel ASTM A576 32 Drain Valve Facing Plastic 33 Drain Valve Screw Stainless Steel ASTM A276 40 Upper Valve Plate (Includes 32 and 33) 35 Seat Ring Bottom O-Ring Bronze ASTM B584 36 Drain Ring Housing Cast Iron ASTM A126 CL.B 37 Seat Ring Bronze ASTM B584 38 Drain Ring Housing Cast Iron ASTM A126 CL.B 40 Lower Valve Plate Cast Iron ASTM A126 CL.B 41 Lock Washer Stainless Steel ASTM A276 42 Lower Valve Plate Nut Cast Iron ASTM A126 CL.B 41 Lock Washer Stainless Steel ASTM A276 42 Lower Valve Plate Nut Cast Iron ASTM A126 CL.B 43 Nut Seal Rubber ASTM D2000 BUNA N 44 Cap Chains Galvanized Steel 45 Stem O-Ring (Bonnet Side) Rubber ASTM D2000 BUNA N 46 Chain Hook Galvanized Steel 47 Drain Ring Housing O-Ring Rubber ASTM D2000 BUNA N 48 Sleeve Copper ASTM B75 49 Upper Stem Pin Stainless Steel ASTM A582 50 Shoe Bolt and Nut Steel SAE J429/SAE J995 51 Shoe Ductile Iron ASTM A536 52 Bury Tag Steel SAE J3995 53 Top Seat O-Ring Stainless Steel ASTM A240			
**21 Hose Nozzle Cap 22 Upper Barrel 23 Stem Coupling 24 Traffic Flange Bolt and Nut 25 Stem Steel ASTM A126 CL. B 26 Traffic Flange O-Ring 27 Reusable Clip 28 Clevis Pin 29 Lower Stem 30 Lower Barrel 31 Lower Stem Pin 32 Drain Valve Screw 33 Drain Ring 34 Upper Valve Plate (Includes 32 and 33) 35 Seat Ring 36 Drain Ring Housing 37 Seat Ring 38 Drain Ring Housing 40 Lower Valve Plate Main Valve Main Valve Main Valve Main Valve Plate Nut Mathematical Steel ASTM A276 42 Lower Valve Plate Nut Mathematical Steel Main Main Main Main Main Main Main Main			' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '
22Upper BarrelDuctile Iron ASTM A53623Stem CouplingStainless Steel ASTM A89024Traffic Flange Bolt and NutSteel SAE J429/SAE J99525Traffic Flange O-RingRubber ASTM D2000 BUNA N26Traffic FlangeCast Iron ASTM A126 CL. B27Reusable ClipStainless Steel 18-828Clevis PinStainless Steel ASTM A27629Lower StemSteel ASTM A57630Lower BarrelCast Iron ASTM A126 CL. B31Lower Stem PinStainless Steel ASTM A58232Drain Valve FacingPlastic33Drain Valve ScrewStainless Steel ASTM A27634Upper Valve Plate (Includes 32 and 33)Brass ASTM B58435Seat Ring Bottom O-RingRubber ASTM D2000 BUNA N36Drain RingBronze ASTM B6237Seat RingBrass ASTM B58438Drain Ring HousingCast Iron ASTM A126 CL. B39Reversible Reinforced Main ValveIron Encapsulated Rubber ASTM D200040Lower Valve PlateCast Iron ASTM A126 CL. B41Lock WasherStainless Steel ASTM A27642Lower Valve Plate NutCast Iron ASTM A126 CL. B43Nut SealRubber44Cap ChainsGalvanized Steel45Stem O-Ring (Bonnet Side)Rubber ASTM D2000 BUNA N46Chain HookGalvanized Steel47Drain Ring Housing O-RingRubber ASTM D2000 BUNA N48SleeveCopper ASTM B75		j	
23Stem CouplingStainless Steel ASTM A89024Traffic Flange Bolt and NutSteel SAE J429/SAE J99525Traffic Flange O-RingRubber ASTM D2000 BUNA N26Traffic FlangeCast Iron ASTM A126 CL. B27Reusable ClipStainless Steel 18-828Clevis PinStainless Steel ASTM A27629Lower StemSteel ASTM A57630Lower BarrelCast Iron ASTM A126 CL. B31Lower Stem PinStainless Steel ASTM A58232Drain Valve FacingPlastic33Drain Valve FacingPlastic34Upper Valve Plate (Includes 32 and 33)Brass ASTM B58435Seat Ring Bottom O-RingRubber ASTM D2000 BUNA N36Drain RingBronze ASTM B6237Seat RingBrass ASTM B58438Drain Ring HousingCast Iron ASTM A126 CL. B39Reversible Reinforced Main ValveIron Encapsulated Rubber ASTM D200040Lower Valve PlateCast Iron ASTM A126 CL. B41Lock WasherStainless Steel ASTM A27642Lower Valve Plate NutCast Iron ASTM A126 CL. B43Nut SealRubber44Cap ChainsGalvanized Steel45Stem O-Ring (Bonnet Side)Rubber ASTM D2000 BUNA N46Chain HookGalvanized Steel47Drain Ring Housing O-RingRubber ASTM D2000 BUNA N48SleeveCopper ASTM B7549Upper Stem PinStainless Steel ASTM A582 <t< th=""><th></th><th>·</th><th></th></t<>		·	
Traffic Flange Bolt and Nut Steel SAE J429/SAE J995 Traffic Flange O-Ring Rubber ASTM D2000 BUNA N Traffic Flange Cast Iron ASTM A126 CL. B Reusable Clip Stainless Steel 18-8 Clevis Pin Stainless Steel ASTM A276 Lower Stem Steel ASTM A576 Lower Barrel Cast Iron ASTM A126 CL. B To Plastic To Plastic To Plastic To Plastic Rubber ASTM A582 Drain Valve Facing Plastic To Plastic To Plastic Rubber ASTM B584 Lower Stem Pin Stainless Steel ASTM A576 Rubber ASTM B584 Prain Ring Bottom O-Ring Rubber ASTM D2000 BUNA N Reversible Reinforced Main Valve Reversible Reinforced Main Valve Cast Iron ASTM A126 CL. B Reversible Reinforced Main Valve Cast Iron ASTM A126 CL. B Reversible Reinforced Main Valve Cast Iron ASTM A126 CL. B Reversible Reinforced Main Valve Cast Iron ASTM A126 CL. B Rubber ASTM D2000 Cast Iron ASTM A126 CL. B Rubber ASTM D2000 Cast Iron ASTM A126 CL. B Rubber ASTM D2000 Cast Iron ASTM A126 CL. B Rubber ASTM D2000 Cast Iron ASTM A126 CL. B Rubber ASTM D2000 Cast Iron ASTM A126 CL. B To Encapsulated Rubber ASTM D2000 Cast Iron ASTM A126 CL. B Rubber ASTM D2000 Cast Iron ASTM A126 CL. B Rubber ASTM D2000 Cast Iron ASTM A126 CL. B Rubber ASTM D2000 Cast Iron ASTM A126 CL. B Rubber ASTM D2000 Cast Iron ASTM A126 CL. B Rubber ASTM D2000 Cast Iron ASTM A126 CL. B To Encapsulated Rubber ASTM D2000 Cast Iron ASTM A126 CL. B Rubber ASTM D2000 Cast Iron ASTM A126 CL. B Rubber ASTM D2000 BUNA N Galvanized Steel To Drain Ring Housing O-Ring Rubber ASTM D2000 BUNA N Galvanized Steel To Drain Ring Housing O-Ring Rubber ASTM D2000 BUNA N Sleeve Copper ASTM B75 Dain Ring Housing O-Ring Stainless Steel ASTM A536 Steel SAE J429/SAE J995 Top Seat O-Ring Stainless Steel ASTM A240		• • • • • • • • • • • • • • • • • • • •	
25Traffic Flange O-RingRubber ASTM D2000 BUNA N26Traffic FlangeCast Iron ASTM A126 CL. B27Reusable ClipStainless Steel 18-828Clevis PinStainless Steel ASTM A27629Lower StemSteel ASTM A57630Lower BarrelCast Iron ASTM A126 CL.B31Lower Stem PinStainless Steel ASTM A58232Drain Valve FacingPlastic33Drain Valve ScrewStainless Steel ASTM A27634Upper Valve Plate (Includes 32 and 33)Brass ASTM B58435Seat Ring Bottom O-RingRubber ASTM D2000 BUNA N36Drain RingBronze ASTM B6237Seat RingBrass ASTM B58438Drain Ring HousingCast Iron ASTM A126 CL.B39Reversible Reinforced Main ValveIron Encapsulated Rubber ASTM D200040Lower Valve PlateCast Iron ASTM A126 CL.B41Lock WasherStainless Steel ASTM A27642Lower Valve Plate NutCast Iron ASTM A126 CL.B43Nut SealRubber44Cap ChainsGalvanized Steel45Stem O-Ring (Bonnet Side)Rubber ASTM D2000 BUNA N46Chain HookGalvanized Steel47Drain Ring Housing O-RingRubber ASTM D2000 BUNA N48SleeveCopper ASTM B7549Upper Stem PinStainless Steel ASTM A58250Shoe Bolt and NutSteel SAE J429/SAE J99551ShoeDuctile Iron ASTM A53652<	-		
26Traffic FlangeCast Iron ASTM A126 CL. B27Reusable ClipStainless Steel 18-828Clevis PinStainless Steel ASTM A27629Lower StemSteel ASTM A57630Lower BarrelCast Iron ASTM A126 CL.B31Lower Stem PinStainless Steel ASTM A58232Drain Valve FacingPlastic33Drain Valve ScrewStainless Steel ASTM A27634Upper Valve Plate (Includes 32 and 33)Brass ASTM B58435Seat Ring Bottom O-RingRubber ASTM D2000 BUNA N36Drain RingBronze ASTM B6237Seat RingBrass ASTM B58438Drain Ring HousingCast Iron ASTM A126 CL.B39Reversible Reinforced Main ValveIron Encapsulated Rubber ASTM D200040Lower Valve PlateCast Iron ASTM A126 CL.B41Lock WasherStainless Steel ASTM A27642Lower Valve Plate NutCast Iron ASTM A126 CL.B43Nut SealRubber44Cap ChainsGalvanized Steel45Stem O-Ring (Bonnet Side)Rubber ASTM D2000 BUNA N46Chain HookGalvanized Steel47Drain Ring Housing O-RingRubber ASTM D2000 BUNA N48SleeveCopper ASTM B7549Upper Stem PinStainless Steel ASTM A58250Shoe Bolt and NutSteel SAE J429/SAE J99551ShoeDuctile Iron ASTM A53652Bury TagSteel SAE ISTM A240			,
27 Reusable Clip Stainless Steel 18-8 28 Clevis Pin Stainless Steel ASTM A276 29 Lower Stem Steel ASTM A576 30 Lower Barrel Cast Iron ASTM A126 CL.B 31 Lower Stem Pin Stainless Steel ASTM A582 32 Drain Valve Facing Plastic 33 Drain Valve Screw Stainless Steel ASTM A276 34 Upper Valve Plate (Includes 32 and 33) 35 Seat Ring Bottom O-Ring Rubber ASTM D2000 BUNA N 36 Drain Ring Bronze ASTM B62 37 Seat Ring Bronze ASTM B62 38 Drain Ring Housing Cast Iron ASTM A126 CL.B 39 Reversible Reinforced Main Valve ASTM D2000 40 Lower Valve Plate Cast Iron ASTM A126 CL.B 41 Lock Washer Stainless Steel ASTM A276 42 Lower Valve Plate Cast Iron ASTM A126 CL.B 43 Nut Seal Rubber ASTM D2000 44 Cap Chains Galvanized Steel 45 Stem O-Ring (Bonnet Side) Rubber ASTM D2000 BUNA N 46 Chain Hook Galvanized Steel 47 Drain Ring Housing O-Ring Rubber ASTM D2000 BUNA N 48 Sleeve Copper ASTM B75 49 Upper Stem Pin Stainless Steel ASTM A536 50 Shoe Bolt and Nut Steel SAE J995 51 Shoe Ductile Iron ASTM A240		0 0	
28Clevis PinStainless Steel ASTM A27629Lower StemSteel ASTM A57630Lower BarrelCast Iron ASTM A126 CL.B31Lower Stem PinStainless Steel ASTM A58232Drain Valve FacingPlastic34Upper Valve Plate (Includes 32 and 33)Stainless Steel ASTM A27634Upper Valve Plate (Includes 32 and 33)Rubber ASTM D2000 BUNA N36Drain RingBronze ASTM B6237Seat RingBrass ASTM B58438Drain Ring HousingCast Iron ASTM A126 CL.B39Reversible Reinforced Main ValveIron Encapsulated Rubber ASTM D200040Lower Valve PlateCast Iron ASTM A126 CL.B41Lock WasherStainless Steel ASTM A27642Lower Valve Plate NutCast Iron ASTM A126 CL.B43Nut SealRubber44Cap ChainsGalvanized Steel45Stem O-Ring (Bonnet Side)Rubber ASTM D2000 BUNA N46Chain HookGalvanized Steel47Drain Ring Housing O-RingRubber ASTM D2000 BUNA N48SleeveCopper ASTM B7549Upper Stem PinStainless Steel ASTM A58250Shoe Bolt and NutSteel SAE J429/SAE J99551ShoeDuctile Iron ASTM A53652Bury TagSteel SAE J89553Top Seat O-RingStainless Steel ASTM A240			
29Lower StemSteel ASTM A57630Lower BarrelCast Iron ASTM A126 CL.B31Lower Stem PinStainless Steel ASTM A58232Drain Valve FacingPlastic33Drain Valve ScrewStainless Steel ASTM A27634Upper Valve Plate (Includes 32 and 33)Brass ASTM B58435Seat Ring Bottom O-RingRubber ASTM D2000 BUNA N36Drain RingBronze ASTM B6237Seat RingBrass ASTM B58438Drain Ring HousingCast Iron ASTM A126 CL.B39Reversible Reinforced Main ValveIron Encapsulated Rubber ASTM D200040Lower Valve PlateCast Iron ASTM A126 CL.B41Lock WasherStainless Steel ASTM A27642Lower Valve Plate NutCast Iron ASTM A126 CL.B43Nut SealRubber44Cap ChainsGalvanized Steel45Stem O-Ring (Bonnet Side)Rubber ASTM D2000 BUNA N46Chain HookGalvanized Steel47Drain Ring Housing O-RingRubber ASTM D2000 BUNA N48SleeveCopper ASTM B7549Upper Stem PinStainless Steel ASTM A58250Shoe Bolt and NutSteel SAE J429/SAE J99551ShoeDuctile Iron ASTM A53652Bury TagSteel SAE J89553Top Seat O-RingStainless Steel ASTM A240			
30Lower BarrelCast Iron ASTM A126 CL.B31Lower Stem PinStainless Steel ASTM A58232Drain Valve FacingPlastic33Drain Valve ScrewStainless Steel ASTM A27634Upper Valve Plate (Includes 32 and 33)Brass ASTM B58435Seat Ring Bottom O-RingRubber ASTM D2000 BUNA N36Drain RingBronze ASTM B6237Seat RingBrass ASTM B58438Drain Ring HousingCast Iron ASTM A126 CL.B39Reversible Reinforced Main ValveIron Encapsulated Rubber ASTM D200040Lower Valve PlateCast Iron ASTM A126 CL.B41Lock WasherStainless Steel ASTM A27642Lower Valve Plate NutCast Iron ASTM A126 CL.B43Nut SealRubber44Cap ChainsGalvanized Steel45Stem O-Ring (Bonnet Side)Rubber ASTM D2000 BUNA N46Chain HookGalvanized Steel47Drain Ring Housing O-RingRubber ASTM D2000 BUNA N48SleeveCopper ASTM B7549Upper Stem PinStainless Steel ASTM A58250Shoe Bolt and NutSteel SAE J429/SAE J99551ShoeDuctile Iron ASTM A53652Bury TagSteel SAE J89553Top Seat O-RingStainless Steel ASTM A240	_		
31Lower Stem PinStainless Steel ASTM A58232Drain Valve FacingPlastic33Drain Valve ScrewStainless Steel ASTM A27634Upper Valve Plate (Includes 32 and 33)Brass ASTM B58435Seat Ring Bottom O-Ring Drain RingRubber ASTM D2000 BUNA N36Drain RingBronze ASTM B6237Seat RingBrass ASTM B58438Drain Ring HousingCast Iron ASTM A126 CL.B39Reversible Reinforced Main ValveIron Encapsulated Rubber ASTM D200040Lower Valve PlateCast Iron ASTM A126 CL.B41Lock WasherStainless Steel ASTM A27642Lower Valve Plate NutCast Iron ASTM A126 CL.B43Nut SealRubber44Cap ChainsGalvanized Steel45Stem O-Ring (Bonnet Side)Rubber ASTM D2000 BUNA N46Chain HookGalvanized Steel47Drain Ring Housing O-RingRubber ASTM D2000 BUNA N48SleeveCopper ASTM B7549Upper Stem PinStainless Steel ASTM A58250Shoe Bolt and NutSteel SAE J429/SAE J99551ShoeDuctile Iron ASTM A53652Bury TagSteel SAE J89553Top Seat O-RingStainless Steel ASTM A240	-		
32Drain Valve FacingPlastic33Drain Valve ScrewStainless Steel ASTM A27634Upper Valve Plate (Includes 32 and 33)Brass ASTM B58435Seat Ring Bottom O-RingRubber ASTM D2000 BUNA N36Drain RingBronze ASTM B6237Seat RingBrass ASTM B58438Drain Ring HousingCast Iron ASTM A126 CL.B39Reversible Reinforced Main ValveIron Encapsulated Rubber ASTM D200040Lower Valve PlateCast Iron ASTM A126 CL.B41Lock WasherStainless Steel ASTM A27642Lower Valve Plate NutCast Iron ASTM A126 CL.B43Nut SealRubber44Cap ChainsGalvanized Steel45Stem O-Ring (Bonnet Side)Rubber ASTM D2000 BUNA N46Chain HookGalvanized Steel47Drain Ring Housing O-RingRubber ASTM D2000 BUNA N48SleeveCopper ASTM B7549Upper Stem PinStainless Steel ASTM A58250Shoe Bolt and NutSteel SAE J429/SAE J99551ShoeDuctile Iron ASTM A53652Bury TagSteel SAE J89553Top Seat O-RingStainless Steel ASTM A240			
33Drain Valve ScrewStainless Steel ASTM A27634Upper Valve Plate (Includes 32 and 33)Brass ASTM B58435Seat Ring Bottom O-Ring Bronze ASTM D2000 BUNA N36Drain Ring Bronze ASTM B6237Seat Ring Bronze ASTM B58438Drain Ring Housing Cast Iron ASTM A126 CL.B39Reversible Reinforced Main Valve ASTM D200040Lower Valve Plate Cast Iron ASTM A126 CL.B41Lock Washer Stainless Steel ASTM A27642Lower Valve Plate Nut Cast Iron ASTM A126 CL.B43Nut Seal Rubber ASTM D2000 BUNA N44Cap Chains Galvanized Steel45Stem O-Ring (Bonnet Side) Rubber ASTM D2000 BUNA N46Chain Hook Galvanized Steel47Drain Ring Housing O-Ring Rubber ASTM D2000 BUNA N48Sleeve Copper ASTM B7549Upper Stem Pin Stainless Steel ASTM A58250Shoe Bolt and Nut Steel SAE J429/SAE J99551Shoe Ductile Iron ASTM A53652Bury Tag Steel SAE J85 Steel ASTM A240		Drain Valve Facing	
35 Seat Ring Bottom O-Ring Rubber ASTM D2000 BUNA N 36 Drain Ring Bronze ASTM B62 37 Seat Ring Bronze ASTM B584 38 Drain Ring Housing Cast Iron ASTM A126 CL.B 39 Reversible Reinforced Main Valve ASTM D2000 40 Lower Valve Plate Cast Iron ASTM A126 CL.B 41 Lock Washer Stainless Steel ASTM A276 42 Lower Valve Plate Nut Cast Iron ASTM A126 CL.B 43 Nut Seal Rubber 44 Cap Chains Galvanized Steel 45 Stem O-Ring (Bonnet Side) Rubber ASTM D2000 BUNA N 46 Chain Hook Galvanized Steel 47 Drain Ring Housing O-Ring Rubber ASTM D2000 BUNA N 48 Sleeve Copper ASTM B75 49 Upper Stem Pin Stainless Steel ASTM A582 50 Shoe Bolt and Nut Steel SAE J429/SAE J995 51 Shoe Ductile Iron ASTM A240	33		Stainless Steel ASTM A276
(Includes 32 and 33) Seat Ring Bottom O-Ring Bronze ASTM D2000 BUNA N Cast Ring Brass ASTM B584 Reversible Reinforced Main Valve Cast Iron ASTM A126 CL.B Lower Valve Plate Cast Iron ASTM A126 CL.B Lower Valve Plate Nut Cast Iron ASTM A126 CL.B Lower Valve Plate Nut Cast Iron ASTM A126 CL.B Rubber Cast Iron ASTM A126 CL.B Rubber Stainless Steel ASTM A276 Cast Iron ASTM A126 CL.B Rubber Cap Chains Galvanized Steel Cap Chains Galvanized Steel Chain Hook Galvanized Steel Chain Hook Galvanized Steel Copper ASTM B75 Drain Ring Housing O-Ring Rubber ASTM D2000 BUNA N Rubber ASTM D2000 BUNA N Chain Hook Galvanized Steel Copper ASTM B75 Steel SAE J429/SAE J995 Shoe Bury Tag Steel SAE J429/SAE J995 Steel SAE J995 Stainless Steel ASTM A536 Steel SAE J995 Stainless Steel ASTM A240	34		Brass ASTM B584
36Drain RingBronze ASTM B6237Seat RingBrass ASTM B58438Drain Ring HousingCast Iron ASTM A126 CL.B39Reversible Reinforced Main ValveIron Encapsulated Rubber ASTM D200040Lower Valve PlateCast Iron ASTM A126 CL.B41Lock WasherStainless Steel ASTM A27642Lower Valve Plate NutCast Iron ASTM A126 CL.B43Nut SealRubber44Cap ChainsGalvanized Steel45Stem O-Ring (Bonnet Side)Rubber ASTM D2000 BUNA N46Chain HookGalvanized Steel47Drain Ring Housing O-Ring SleeveRubber ASTM D2000 BUNA N48SleeveCopper ASTM B7549Upper Stem PinStainless Steel ASTM A58250Shoe Bolt and NutSteel SAE J429/SAE J99551ShoeDuctile Iron ASTM A53652Bury TagSteel SAE J99553Top Seat O-RingStainless Steel ASTM A240		,	
37 Seat Ring Brass ASTM B584 38 Drain Ring Housing Cast Iron ASTM A126 CL.B 39 Reversible Reinforced Main Valve ASTM D2000 40 Lower Valve Plate Cast Iron ASTM A126 CL.B 41 Lock Washer Stainless Steel ASTM A276 42 Lower Valve Plate Nut Cast Iron ASTM A126 CL.B 43 Nut Seal Rubber 44 Cap Chains Galvanized Steel 45 Stem O-Ring (Bonnet Side) Rubber ASTM D2000 BUNA N 46 Chain Hook Galvanized Steel 47 Drain Ring Housing O-Ring Rubber ASTM D2000 BUNA N 48 Sleeve Copper ASTM B75 49 Upper Stem Pin Stainless Steel ASTM A582 50 Shoe Bolt and Nut Steel SAE J429/SAE J995 51 Shoe Ductile Iron ASTM A536 52 Bury Tag Steel SAE J995 53 Top Seat O-Ring Stainless Steel ASTM A240		0 0	
38Drain Ring HousingCast Iron ASTM A126 CL.B39Reversible Reinforced Main ValveIron Encapsulated Rubber ASTM D200040Lower Valve PlateCast Iron ASTM A126 CL.B41Lock WasherStainless Steel ASTM A27642Lower Valve Plate NutCast Iron ASTM A126 CL.B43Nut SealRubber44Cap ChainsGalvanized Steel45Stem O-Ring (Bonnet Side)Rubber ASTM D2000 BUNA N46Chain HookGalvanized Steel47Drain Ring Housing O-RingRubber ASTM D2000 BUNA N48SleeveCopper ASTM B7549Upper Stem PinStainless Steel ASTM A58250Shoe Bolt and NutSteel SAE J429/SAE J99551ShoeDuctile Iron ASTM A53652Bury TagSteel SAE J99553Top Seat O-RingStainless Steel ASTM A240			
Reversible Reinforced Main Valve Lower Valve Plate Cast Iron ASTM A126 CL.B Lower Valve Plate Nut Cast Iron ASTM A126 CL.B Lower Valve Plate Nut Cast Iron ASTM A126 CL.B Rubber Cast Iron ASTM A126 CL.B Rubber Cast Iron ASTM A126 CL.B Rubber Rubber Cap Chains Galvanized Steel Stem O-Ring (Bonnet Side) Chain Hook Galvanized Steel Torain Ring Housing O-Ring Rubber ASTM D2000 BUNA N Rubber ASTM D2000 BUNA N Copper ASTM B75 Puper Stem Pin Stainless Steel ASTM A582 Shoe Ductile Iron ASTM A536 Steel SAE J995 Top Seat O-Ring Stainless Steel ASTM A240		O	
Main Valve ASTM D2000 Lower Valve Plate Cast Iron ASTM A126 CL.B Lock Washer Stainless Steel ASTM A276 Lower Valve Plate Nut Cast Iron ASTM A126 CL.B Rubber Lower Valve Plate Nut Cast Iron ASTM A126 CL.B Rubber Cap Chains Galvanized Steel Stem O-Ring (Bonnet Side) Chain Hook Galvanized Steel Prain Ring Housing O-Ring Rubber ASTM D2000 BUNA N Copper ASTM B75 Pupper Stem Pin Stainless Steel ASTM A582 Shoe Bolt and Nut Steel SAE J429/SAE J995 Shoe Bury Tag Stainless Steel ASTM A240 Steel SAE J995 Stainless Steel ASTM A240	36	0 0	
41Lock WasherStainless Steel ASTM A27642Lower Valve Plate NutCast Iron ASTM A126 CL.B43Nut SealRubber44Cap ChainsGalvanized Steel45Stem O-Ring (Bonnet Side)Rubber ASTM D2000 BUNA N46Chain HookGalvanized Steel47Drain Ring Housing O-RingRubber ASTM D2000 BUNA N48SleeveCopper ASTM B7549Upper Stem PinStainless Steel ASTM A58250Shoe Bolt and NutSteel SAE J429/SAE J99551ShoeDuctile Iron ASTM A53652Bury TagSteel SAE J99553Top Seat O-RingStainless Steel ASTM A240	39		<u> </u>
42Lower Valve Plate NutCast Iron ASTM A126 CL.B43Nut SealRubber44Cap ChainsGalvanized Steel45Stem O-Ring (Bonnet Side)Rubber ASTM D2000 BUNA N46Chain HookGalvanized Steel47Drain Ring Housing O-RingRubber ASTM D2000 BUNA N48SleeveCopper ASTM B7549Upper Stem PinStainless Steel ASTM A58250Shoe Bolt and NutSteel SAE J429/SAE J99551ShoeDuctile Iron ASTM A53652Bury TagSteel SAE J99553Top Seat O-RingStainless Steel ASTM A240	40	Lower Valve Plate	Cast Iron ASTM A126 CL.B
43Nut SealRubber44Cap ChainsGalvanized Steel45Stem O-Ring (Bonnet Side)Rubber ASTM D2000 BUNA N46Chain HookGalvanized Steel47Drain Ring Housing O-RingRubber ASTM D2000 BUNA N48SleeveCopper ASTM B7549Upper Stem PinStainless Steel ASTM A58250Shoe Bolt and NutSteel SAE J429/SAE J99551ShoeDuctile Iron ASTM A53652Bury TagSteel SAE J99553Top Seat O-RingStainless Steel ASTM A240	41	Lock Washer	Stainless Steel ASTM A276
44 Cap Chains Galvanized Steel 45 Stem O-Ring (Bonnet Side) Rubber ASTM D2000 BUNA N 46 Chain Hook Galvanized Steel 47 Drain Ring Housing O-Ring Rubber ASTM D2000 BUNA N 48 Sleeve Copper ASTM B75 49 Upper Stem Pin Stainless Steel ASTM A582 50 Shoe Bolt and Nut Steel SAE J429/SAE J995 51 Shoe Ductile Iron ASTM A536 52 Bury Tag Stainless Steel ASTM A240	42		
45Stem O-Ring (Bonnet Side)Rubber ASTM D2000 BUNA N46Chain HookGalvanized Steel47Drain Ring Housing O-RingRubber ASTM D2000 BUNA N48SleeveCopper ASTM B7549Upper Stem PinStainless Steel ASTM A58250Shoe Bolt and NutSteel SAE J429/SAE J99551ShoeDuctile Iron ASTM A53652Bury TagSteel SAE J99553Top Seat O-RingStainless Steel ASTM A240	43		Rubber
46Chain HookGalvanized Steel47Drain Ring Housing O-RingRubber ASTM D2000 BUNA N48SleeveCopper ASTM B7549Upper Stem PinStainless Steel ASTM A58250Shoe Bolt and NutSteel SAE J429/SAE J99551ShoeDuctile Iron ASTM A53652Bury TagSteel SAE J99553Top Seat O-RingStainless Steel ASTM A240		I	
47Drain Ring Housing O-RingRubber ASTM D2000 BUNA N48SleeveCopper ASTM B7549Upper Stem PinStainless Steel ASTM A58250Shoe Bolt and NutSteel SAE J429/SAE J99551ShoeDuctile Iron ASTM A53652Bury TagSteel SAE J99553Top Seat O-RingStainless Steel ASTM A240		0 \ ,	
48 Sleeve Copper ASTM B75 49 Upper Stem Pin Stainless Steel ASTM A582 50 Shoe Bolt and Nut Steel SAE J429/SAE J995 51 Shoe Ductile Iron ASTM A536 52 Bury Tag Steel SAE J995 53 Top Seat O-Ring Stainless Steel ASTM A240			
49 Upper Stem Pin Stainless Steel ASTM A582 50 Shoe Bolt and Nut Steel SAE J429/SAE J995 51 Shoe Ductile Iron ASTM A536 52 Bury Tag Steel SAE J995 53 Top Seat O-Ring Stainless Steel ASTM A240		0 0	
50 Shoe Bolt and Nut Steel SAE J429/SAE J995 51 Shoe Ductile Iron ASTM A536 52 Bury Tag Steel SAE J995 53 Top Seat O-Ring Stainless Steel ASTM A240			''
51ShoeDuctile Iron ASTM A53652Bury TagSteel SAE J99553Top Seat O-RingStainless Steel ASTM A240			
52 Bury Tag Steel SAE J995 53 Top Seat O-Ring Stainless Steel ASTM A240			,
53 Top Seat O-Ring Stainless Steel ASTM A240			

Nozzle Information: 1/Pumper Nozzle (4½"/DN110 NST or BSP), 2/Nose Nozzles (2½"/DN65 NST or BSP)



For more information about us, or to view our full line of products, please visit www.mueller-international.com or call International Customer Service at:

UK: +44.1438.487410 Dubai: +971.4.214.6640 Singapore: +65.6816.3088 USA: +1.800.423.1323 International@muellerwp.com

Mueller refers to one or more of Mueller Water Products, Inc., a Delaware corporation ("MWP"), and its subsidiaries. MWP and each of its subsidiaries are legally separate and independent entities when providing products and services. MWP does not provide products or services to third parties. MWP and each of its subsidiaries are liable only for their own acts and omissions and not those of each other. MWP brands include Mueller®, Echologics®, Hydro Gate®, Hydro-Guard®, Jones®, Krausz®, Mi.Net®, Milliken®, Pratt®, Pratt industrial®, Singer®, and U.S. Pipe Valve & Hydrant. Please see muellerwp.com/brands to learn more.

© 2020 Mueller Water Products, Inc. All Rights Reserved. The trademarks, logos and service marks displayed in this document are the property of Mueller Water Products, Inc., its affiliates or other third parties. Products above marked with a section symbol (§) are subject to patents or patent applications. For details visit www.mwppat.com.



^{**}Not shown