



| Cat. | Desc | Manufacturer | Water | | Reclaimed Water | | Wastewater | |
|---------------------------------------|--|---|---------------------|-----------------------|---------------------|-----------------------|---------------------|----------------|
| | | | Model # | Comments | Model # | Comments | Model # | Comments |
| Air Release | ARV Enclosure | All ARV above ground enclosures shall be vented with tamper proof locking device | | | | | | |
| | | Water Plus Polyethylene Enclosure | 131632 H30-B | Blue 44" Tall | 131632 H30-P | Pantone 44" | 131632 H30-G | Green 44" Tall |
| | | | 171730 H40-B | Blue 30" Tall | 171730 H40-P | Pantone 30" | | |
| | Safety-Guard/Hydro Guard | 15100 Encl | Blue 34" Tall | 15100 Encl | Pantone 34" Tall | 15100 Encl | Green 34" Tall | |
| | Air Release Valves | Air Release Valves shall be Combination Type (Reinforced Nylon Body or Ductile Iron Body for >24" and High Flows) | | | | | | |
| | | ARI (or approved equal) | D-040 | Standard | D-041 | Standard | D-025 (SS) | Standard |
| ARV Vault | Air Release Valve Frame and Cover | | | | | | | |
| | US Foundry | | | | | USF 7665-HH-HJ | | |
| Casing Seals / Spacers | Casing End Seals | Casing End Seals. Annular space between pipe and steel casing shall be brick and mortar with end seals to secure ends. | | | | | | |
| | | Advance Products | Model AC and AW | | Model AC and AW | | Model AC and AW | |
| | | BWM Company | Model WR and PO | | Model WR and PO | | Model WR and PO | |
| | | Cascade Water Works | Model CCES | | Model CCES | | Model CCES | |
| | | CCI Pipeline | Model ESW and ESC | | Model ESW and ESC | | Model ESW and ESC | |
| | | Pipeline Seal & Insulator, Inc. (PSI) | Model C and W | | Model C and W | | Model C and W | |
| | Power Seal | Model 4810ES | | Model 4810ES | | Model 4810ES | | |
| | Casing Spacers | Casing spacers shall be a min. 8-inches wide for pipe 12" Dia or less or min. 12-inches wide for pipe 16" or greater, shall have a minimum 14 gauge 304 stainless steel shell/band, minimum 10 gauge 304 reinforced risers; minimum thickness of 0.090 EPDM or PVC interior liners, glass reinforces polymer or ultra high molecular weight polyethylene and 304 stainless bolts, nuts, and washers. | | | | | | |
| | | Advanve Products | SSI8 / SSI12 | | SSI8 / SSI12 | | SSI8 / SSI12 | |
| | | BWM Company | BWM-SS-8 / SS-12 | | BWM-SS-8 / SS-12 | | BWM-SS-8 / SS-12 | |
| | | Cascade Water Works | Series CCS 8" / 12" | | Series CCS 8" / 12" | | Series CCS 8" / 12" | |
| | | CCI Pipeline | Model CCS8 / CSS12 | | Model CCS8 / CSS12 | | Model CCS8 / CSS12 | |
| Pipeline Seal & Insulator, Inc. (PSI) | | Series S8G-2 / S12G-2 | | Series S8G-2 / S12G-2 | | Series S8G-2 / S12G-2 | | |
| Fittings | Fittings | Ductile Iron Fittings C153 SSB / C110 FLG: (Water & Reclaimed Water fittings shall cement lined or holiday free fusion bonded epoxy lined) (Wastewater fittings interior shall be Protecto 401 and holiday free) | | | | | | |
| | | American | 30" & up | FBE / Cement | 30" & up | FBE / Cement | 30" & up | Protecto 401 |
| | | Sigma | | FBE / Cement | | FBE / Cement | | Protecto 401 |
| | | Star | | FBE / Cement | | FBE / Cement | | Protecto 401 |
| | | Tyler Union & Clow | | FBE / Cement | | FBE / Cement | | Protecto 401 |



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| Hydrants | Hydrants | Hydrants Shall open left, 1-1/2" Pentagon operating nut, NST hose & pumper thread, rotate 360 degrees, closed drains, epoxy on shoe in & out and 304 SS nuts & bolts below ground. | | | | | | |
| | | American Flow Control | B-84-B (5 1/4" inch) | | B-84-B (5 1/4" inch) | | | |
| | | Clow | Medallion 2545 | | Medallion 2545 | | | |
| | | Mueller | Super Centurion 250 | | Super Centurion 250 | | | |
| Joint Restraints | Ductile Iron Pipe MJ Restraints | Mechanical Joint Wedge-action Restraining Gland, Epoxy Coated Restraining ductile iron pipe to mechanical joint fittings, pipe and appurtenances. | | | | | | |
| | | EBAA Iron Inc. | Megalug Series 1100 | | Megalug Series 1100 | | Megalug Series 1100 | |
| | | Ford / Uni-Flange | UFR-1400 | | UFR-1400 | | UFR-1400 | |
| | | Sigma | OneLok Series SLD/SLDE | | OneLok Series SLD/SLDE | | OneLok Series SLD/SLDE | |
| | | Smith Blair | Cam Lok Series 111 | | Cam Lok Series 111 | | Cam Lok Series 111 | |
| | | Star | Star Grip Series 3000 | | Star Grip Series 3000 | | Star Grip Series 3000 | |
| | | Tyler Union | TufGrip Series TLD | | TufGrip Series TLD | | TufGrip Series TLD | |
| | DIP Bell Joint Restraints (4"-12") (New & Existing) | Bell Joint Restraints for Ductile Iron Pipe (4"-12") (New & Existing) - All restraints split serrated on bell and spigot ends. Pipe 16" and greater shall have restraint gaskets or locking bells. (Wastewater only for restraint of existing DIP FM) | | | | | | |
| | | EBAA Iron Inc. | Tru-Dual Series 1500TD | | Tru-Dual Series 1500TD | | Tru-Dual Series 1500TD | |
| | | Ford / Uni-Flange | Uni-Flange Series 1390C | | Uni-Flange Series 1390C | | Uni-Flange Series 1390C | |
| | | Sigma | PV-Lok Series PWP-C | | PV-Lok Series PWP-C | | PV-Lok Series PWP-C | |
| | | Smith Blair | Bell-Lock Series 165 | | Bell-Lock Series 165 | | Bell-Lock Series 165 | |
| | | Star | StarGrip Series 3100S | | StarGrip Series 3100S | | StarGrip Series 3100S | |
| Tyler Union | | TufGrip-Series 300C | | TufGrip-Series 300C | | TufGrip-Series 300C | | |
| DIP Bell Joint Restraints (16" & Greater) | Ductile Iron Pipe Bell Joint Restraints for Ductile Iron Pipe (16" & Greater) - All restraints shall have a split back-up ring for the bell and a serrated or wedge action gland for the spigot end. New installation for water & reclaimed water piping 16" and greater shall have restraint gaskets or locking bells. | | | | | | | |
| | EBAA Iron Inc. | Series 1100HD | Existing Only | Series 1100HD | Existing Only | Series 1100HD | Existing Only | |
| | Sigma | Series SSLDH | Existing Only | Series SSLDH | Existing Only | Series SSLDH | Existing Only | |
| | Star | Series 3100S | Existing Only | Series 3100S | Existing Only | Series 3100S | Existing Only | |



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| Joint Restraints | Ductile iron pipe Bell Joint Restraint Gaskets and Locking Bell (4" & Above) | Bell Joint Restraint Gaskets and Locking Bell (4" & Above) Stainless Steel locking wedges built into the gasket-rubber. ANSI/AWWA C111/A21.11 Standard for Rubber-Gasket Joints for Ductile Iron Pressure Pipe. Ductile Iron Bell Joint Restraint for Push-On Pipe- Locking bell joint system that prevents joint separation and allows for joint deflection. Bells shall be painted red to verify restrained gasket. | | | | | | |
| | | American | Fast Grip Gasket | Gasket | Fast Grip Gasket | Gasket | N/A | N/A |
| | | | Flex-Ring Joint | Bell Lock | Flex-Ring Joint | Bell Lock | N/A | N/A |
| | | | Lok-Ring Joint | Bell Lock | Lok-Ring Joint | Bell Lock | N/A | N/A |
| | | Griffin | Talon RJ Gasket | Gasket | Talon RJ Gasket | Gasket | N/A | N/A |
| | | | Snap-Lok | Bell Lock | Snap-Lok | Bell Lock | N/A | N/A |
| | | McWane Inc. DI Pipe Group | Sure Stop 350 Gasket | Gasket | Sure Stop 350 Gasket | Gasket | N/A | N/A |
| | | | Thrust-Lock | Bell Lock | Thrust-Lock | Bell Lock | N/A | N/A |
| | | | TR-Flex | Bell Lock | TR-Flex | Bell Lock | N/A | N/A |
| | | | Super-Lock | Bell Lock | Super-Lock | Bell Lock | N/A | N/A |
| | | US Pipe | Field Lok 350 Gasket | Gasket | Field Lok 350 Gasket | Gasket | N/A | N/A |
| | | | Field Lok Gasket | Gasket | Field Lok Gasket | Gasket | N/A | N/A |
| | | | TR-Flex | Bell Lock | TR-Flex | Bell Lock | N/A | N/A |
| | | | HP Lok Restraint Joint | Bell Lock | HP Lok Restraint Joint | Bell Lock | N/A | N/A |
| | | PVC Pipe MJ Restraints | Mechanical Joint Wedge-action Restraining Gland, Epoxy Coated Restrain PVC pipe to mechanical joint fittings, and appurtenances. | | | | | |
| EBAA Iron Inc. | Mega-lug Series 2000PV | | Mega-lug Series 2000PV | | Mega-lug Series 2000PV | | | |
| Ford / Uni-Flange | UFR 1500 Series | | UFR 1500 Series | | UFR 1500 Series | | | |
| Sigma | One Lok Series SLC/SLCE | | One Lok Series SLC/SLCE | | One Lok Series SLC/SLCE | | | |
| Smith Blair | Cam Lok Series 120 | | Cam Lok Series 120 | | Cam Lok Series 120 | | | |
| Star | Star Grip Series 4000 | | Star Grip Series 4000 | | Star Grip Series 4000 | | | |
| Tyler Union | TufGrip Series TLP | | TufGrip Series TLP | | TufGrip Series TLP | | | |
| PVC Bell Joint Restraints (4" - 12") (New & Existing) | PVC Bell Joint Restraints: PVC pipe Split Serrated on Bell End and Spigot End. (4" - 12") (New & Existing) | | | | | | | |
| | EBAA Iron Inc. | Tru-Dual Series 1500TD | | Tru-Dual Series 1500TD | | Tru-Dual Series 1500TD | | |
| | Ford / Uni-Flange | Uni-Flange Series 1390 | | Uni-Flange Series 1390 | | Uni-Flange Series 1390 | | |
| | Sigma | PV-Lok Series PWP | | PV-Lok Series PWP | | PV-Lok Series PWP | | |
| | Smith Blair | Bell-Lock Series 165 | | Bell-Lock Series 165 | | Bell-Lock Series 165 | | |
| | Star | Series 1100C | | Series 1100C | | Series 1100C | | |
| | Tyler Union | TufGrip 300C | | TufGrip 300C | | TufGrip 300C | | |



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| Joint Restraints | PVC Bell Joint Restraints (16" & Greater) | PVC Bell Joint Restraints: (16" & Greater) PVC pipe Split Serrated on Bell End and Spigot End. Water & Reclaimed Water Existing pipe only. Wastewater shall be new and existing pipe. | | | | | | |
| | | Ford / Uni-Flange | Series 1390 | Existing Only | Series 1390 | Existing Only | Series 1390 | |
| | | JCM | Sur-Grip Series 621 | Existing Only | Sur-Grip Series 621 | Existing Only | Sur-Grip Series 621 | |
| | | Sigma | PV-Lok PWP | Existing Only | PV-Lok PWP | Existing Only | PV-Lok PWP | |
| | | Smith Blair | Bell-Lock Series 165 | Existing Only | Bell-Lock Series 165 | Existing Only | Bell-Lock Series 165 | |
| | | Star | Series 1100C | Existing Only | Series 1100C | Existing Only | Series 1100C | |
| Pipe | PVC C900 DR 18 Bell & Spigot (4" - 12") | C900 Bell & Spigot PVC Pipe: 4 to 12-inch - AWWA C-900, Minimum DR18 for Water, Reclaimed and Wastewater. DR14 for Fire Lines. Manufacturers shall be members in good standing with Uni-Bell to maintain approval status. | | | | | | |
| | | Certaineed 4" to 12" | Certa-Lok C900/RJ | Blue | Certa-Lok C900/RJ | Pantone Purple | Certa-Lok C900/RJ | Green |
| | | Diamond Plastics Corp. | C-900 | Blue | C-900 | Pantone Purple | Diamond C900 | Green |
| | | Ipex Inc. | C-900 Blue Brute | Blue | C-900 | Pantone Purple | C-900 Blue Brute | Green |
| | | JM Eagle | C-900 | Blue | C-900 | Pantone Purple | C-900 | Green |
| | | National Pipe & Plastics Inc. | C-900 Blue Brute | Blue | C-900 | Pantone Purple | C-900 Pipe | Green |
| | | North American Pipe Corp. (NAPCO) | C-900 | Blue | C-900 | Pantone Purple | C-900 | Green |
| | | Sanderson Pipe Corp. | C-900 | Blue | C-900 | Pantone Purple | C-900 | Green |
| | PVC C905 DR 18 Bell & Spigot 16" and Larger | C905 Bell & Spigot PVC Pipe 16" and Larger: AWWA C-905, Minimum DR18 for all Force Mains up to 24". Minimum DR21/DR25 for 30" and greater. Manufacturers shall be members in good standing with Uni-Bell to maintain approval status. | | | | | | |
| | | Certaineed 16" | N/A | N/A | N/A | N/A | Certa-Lok C905/RJ | N/A |
| | | Diamond Plastics Corp. | N/A | N/A | N/A | N/A | Trans-21 DR18 | Green |
| | | Ipex Inc | N/A | N/A | N/A | N/A | IPEX Centurion | Green |
| | | JM Eagle | N/A | N/A | N/A | N/A | C905 Big Blue | Green |
| North American Pipe Corp. (NAPCO) | | N/A | N/A | N/A | N/A | C905 | Green | |



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| Pipe | HDPE C906 DR11 | HDPE Pipe DR11 AWWA C906 shall be Ductile Iron Pipe Size, PE 3408/3608/4710 DIPS manufactured in accordance with ASTM F-714 and listed with NSF. Pipe shall be marked in accordance with either AWWA C901,AWWA C906. Compression type connections are not acceptable in new installations. Pipe joints shall be butt fusion or electro-fusion with flange or adapter. All HDPE shall be color coded to the Utility. Color identifications are in accordance with the APWA/ULCC Uniform Color Code. Manufacturers shall be members in good standing with PPI to maintain approval status. | | | | | | |
| | | JM Eagle | HDPE | DR11 Blue | HDPE | DR11 Pantone | HDPE | DR11Green |
| | | Performance Pipe (Chevron) | Driscoplex 4000 | DR11 Blue | Driscoplex 4000 | DR11 Pantone | Driscoplex 4000 | DR11Green |
| | | PolyPipe, Inc. | EHMW Poly Pipe | DR11 Blue | EHMW Poly Pipe | DR11 Pantone | EHMW Poly Pipe | DR11Green |
| | Ductile Iron Pipe | Ductile iron/Cast iron: (4" to 12" = Class 350, 16" to 24" - Class 250, 30" to 64" = Class 200). Water and Reclaimed water shall be cement lined. Wastewater Piping shall be Protecto 401 and Holiday Free. Exterior coatings as specified. Wastewater DIP piping shall be for pump station piping only. Manufacturers shall be members in good standing with DIPRA to maintain approval status. | | | | | | |
| | | American | Cement Lined | Blue | Cement Lined | Pantone Purple | Protecto 401 | Pump Station |
| | | Griffin | Cement Lined | Blue | Cement Lined | Pantone Purple | Protecto 401 | Pump Station |
| | | McWane Inc. DI Pipe Group | Cement Lined | Blue | Cement Lined | Pantone Purple | Protecto 401 | Pump Station |
| | | US Pipe | Cement Lined | Blue | Cement Lined | Pantone Purple | Protecto 401 | Pump Station |
| | Services | Service Saddles | Service Saddles for 1" (CC) & 2" (Iron pipe threads) Water & Reclaimed Water services on mains greater than 12". Service saddles for 2" taps (iron pipe threads) on 4" mains and greater for Waste Water. : Epoxy or nylon coated stainless steel 18-8-type 304 double straps, controlled O.D. saddles to be used on C-900 / C905 or DI for all 1-in and -2in taps on pipes over 12in. | | | | | |
| Ford | | | Series FC202 | 16" & greater | Series FC203 | 16" & greater | Series FC204 | 4" & greater |
| JCM | | | Series 406 | 16" & greater | Series 406 | 16" & greater | Series 406 | 4" & greater |
| Mueller | | | DR2S | 16" & greater | DR2S | 16" & greater | DR2S | 4" & greater |
| Romac | | | Series 202NS | 16" & greater | Series 202NS | 16" & greater | Series 202NS | 4" & greater |
| Smith Blair | | | Series 317 | 16" & greater | Series 317 | 16" & greater | Series 317 | 4" & greater |
| Service Saddles for HDPE | | Service Saddles for 1" (CC) & 2" (Iron Pipe threads) Water and Reclaimed Water Services: Epoxy or nylon coated stainless steel 18-8-type 304 double straps, controlled O.D. saddles to be used on HDPE for all 1-in and -2in taps. Taps to HDPE pipe shall be approved on a case by case basis. | | | | | | |
| | | Ford | Series FCP202 | | Series FCP202 | | Series FCP202 | |
| | | Romac | Series 202N-H | | Series 202N-H | | Series 202N-H | |
| | | Smith Blair | Series 317-1 for HDPE | | Series 317-1 for HDPE | | Series 317-1 for HDPE | |
| Corporatin Stops Ball Type | | Corporation Stops Ball Type (1-inch with AWWA taper C threads only)/pack joint outlet for CTS) 2" Corporation Stop Ball Type shall be 2" MIP X FIP | | | | | | |
| | | Ford | FB1000-4-NL, FB1000-7-NL | | FB1000-4-NL, FB1000-7-NL | | FB1000-7-NL | 2" ARV |
| | | Mueller | P-25008N, P-25028N, B-20046N | | P-25008N, P-25028N, B-20046N | | B-20046N | 2" ARV |



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| | Curb Stops | Curb Stops - Angle 90° Valves: Ball type compression 1" CTS Pack Joint by 5/8"x3/4" & 3/4" Meter Swivel Nut | | | | | | |
| | | Ford | KV43-342W-NL | | KV43-342W-NL | | N/A | N/A |
| | Dual Horns | Curb Stops - shall have two 90° Curb Stops for Double Meter Configuration | | | | | | |
| | | Ford | UV43-42W-NL | | UV43-42W-NL | | N/A | N/A |
| | PE tubing | Polyethylene tubing: AWWA C901. UV protection (SDR-9) 1-inch and 2-inch only. PE 3408 / PE 4710 | | | | | | |
| | | Charter Plastics | Blue Ice | | Lav Ice | | N/A | N/A |
| | | Endot | Endopure Blue | | Endocore Lavender | | N/A | N/A |
| | | JM Eagle | Pure-Core | | N/A | N/A | N/A | N/A |
| Tapping Sleeves and Valves | Tapping Sleeves | Tapping Sleeves: (Mechanical joint for taps on cast iron, ductile iron, PVC & AC pipe, including size on size) with stainless steel nuts and bolts. | | | | | | |
| | | American Flow Control | Series 2800 | | Series 2800 | | Series 2800 | |
| | | | Series 1004 | | Series 1004 | | Series 1004 | |
| | | Clow | Series F-5205 | DIP/PVC | Series F-5205 | DIP/PVC | Series F-5205 | DIP/PVC |
| | | | Series F-5207 | AC Pipe | Series F-5207 | AC Pipe | Series F-5207 | AC Pipe |
| | | JCM | Series 414 | FBE | Series 414 | FBE | Series 414 | FBE |
| | | Mueller | Series H-615 | DIP/PVC | Series H-615 | DIP/PVC | Series H-615 | DIP/PVC |
| | | | Series H-619 | AC Pipe | Series H-619 | AC Pipe | Series H-619 | AC Pipe |
| | Smith Blair | Style 623 | FBE | Style 623 | FBE | Style 623 | FBE | |
| | Tapping Valves: 12" and smaller | Tapping Valves: 12" and smaller - Tapping Valves shall be furnished with an alignment lip and installed in the vertical position for Water and Reclaim Water. Wastewater shall be installed horizontally and abandoned in the open position. Tapping valves shall be resilient seated only and meet the requirements of AWWA C509 or C515 | | | | | | |
| | | American Flow Control | Series 2500 | Alignment Lip | Series 2500 | Alignment Lip | Series 2500 | Alignment Lip |
| | | Clow | Series F-6114 | Alignment Lip | Series F-6114 | Alignment Lip | Series F-6114 | Alignment Lip |
| Mueller | | Series T2360 (4"-12" Alignment Lip | | Series T2360 (4"-12" Alignment Lip | | Series T2360 (4"-12" Alignment Lip | | |



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| Tapping Sleeves and Valves | Tapping Valves: 16" and Larger | Tapping Valves: 16" and Larger - Tapping valves shall be furnished with an alignment lip and be installed in the vertical position for Water and Reclaimed Water. No tapping valve shall be installed horizontally for Water and Reclaim Water unless approved by the engineer. Tapping Valves 16" and larger AWWA C515 resilient seated only (16" and 24" no gearing required) above 24" shall be installed vertically with a spur gear actuator unless noted by the engineer. All tapping valves above 24" shall be furnished with NPT pipe plugs for flushing the tracks when valves are installed horizontally. Tapping valves for Wastewater shall be installed horizontally and abandoned in open position. | | | | | | |
| | | American Flow Control | Series 2500 | Alignment Lip & flushing port | Series 2500 | Alignment Lip & flushing port | Series 2500 | Alignment Lip & flushing port |
| | | Clow | Series F-6114 | Alignment Lip & flushing port | Series F-6114 | Alignment Lip & flushing port | Series F-6114 | Alignment Lip & flushing port |
| | | Mueller | Series T2361 (14"&up) | Alignment Lip & flushing port | Series T2361 (14"&up) | Alignment Lip & flushing port | Series T2361 (14"&up) | Alignment Lip & flushing port |
| Valves | Check Valves | Valves (Check) 4-inch and Larger (8 mil epoxy lined) | | | | | | |
| | | American Flow Control | N/A | | N/A | | Series 600 or 50 line | |
| | | Clow / M&H / Kennedy | N/A | | N/A | | 106 | |
| | | Mueller | N/A | | N/A | | Series 2600 | |
| | Gate Valves 4" - 12" | Gate Valves 12" and smaller - resilient seated only AWWA C509 or C515. Valve seat shall be leak-tight in both directions at 150 psi. | | | | | | |
| | | American Flow Control | Series 2500 | | Series 2500 | | N/A | N/A |
| | | Clow | Series F-6100 | | Series F-6100 | | N/A | N/A |
| | | Mueller | Series A-2360 | | Series A-2360 | | N/A | N/A |
| | Gate Valves (Vertical) 16" and Up | Gate Valves 16" and larger (Vertical Installation) AWWA C515 resilient seated only (16" and 24" no gearing required) above 24" shall be installed vertically with a gear actuator unless noted by the engineer. Valve seat shall be leak-tight in both directions at 150 psi. | | | | | | |
| | | American Flow Control | Series 2500 | | Series 2500 | | N/A | N/A |
| Clow | | Series F-6100 | | Series F-6100 | | N/A | N/A | |
| Mueller | | Series A-2360 | | Series A-2360 | | N/A | N/A | |



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| Valves | Plug Valves | Plug Valves - Bi-directional, MJ & Flanged (min. 8mil fusion bonded epoxy with stainless steel bolts), gear operator to be sized for rated pressure of the valve. Valves 4"-20" shall be 80% Full Port and valves 24" and greater shall be minimum of 70% full port. Valve shall be factory tested to minimum 100 PSI in both directions. | | | | | | | | |
| | | Clow | N/A | N/A | N/A | N/A | F-5412 FLG | 4" & up | | |
| | | | N/A | N/A | N/A | N/A | F-5413 MJ | 4" & up | | |
| | | Dezurik | N/A | N/A | N/A | N/A | Series PEF or PEC | 4" & up | | |
| | | Millikan / Pratt | N/A | N/A | N/A | N/A | Eccentric/Ballcentric | 4" & up | | |
| | | Val-Matic | N/A | N/A | N/A | N/A | 5600 or 5800 (FLG) | 4" & up | | |
| N/A | N/A | | N/A | N/A | 5700 or 5900 (MJ) | 4" & up | | | | |
| Valve Boxes | Valve Boxes (Standard) | Two piece standard screw type Heavy Duty Valve Boxes and type of service cast in heavy duty traffic lid (H20 loading) ASTM A48 | | | | | | | | |
| | | Bingham/Taylor | Series 4905 | Box | N/A | N/A | Series 4905 | Box | | |
| | | | 4905-X | Extension | N/A | N/A | 4905-X | Extension | | |
| | | | 4905-L1.5 | Blue Water Lid | N/A | N/A | 4905-L1.5 | Green Sewer Lid | | |
| | | Sigma | Series VB-261X-267X | Box | N/A | N/A | Series VB-261X-267X | Box | | |
| | | | VB 6302 | Extension | N/A | N/A | VB 6302 | Extension | | |
| | | | VB-2600WX | Blue Water Lid | N/A | N/A | VB-2600SX | Green Sewer Lid | | |
| | | Star | Series VB-0002 | Box | Series VB-0002 | Box | Series VB-0002 | Box | | |
| | | | VBEX 12-24S | Extension | VBEX 12-24S | Extension | VBEX 12-24S | Extension | | |
| | | | VBLIDW | Blue Water Lid | VBLIDRW | Purple Reclaim Lid | VBLIDS | Green Sewer Lid | | |
| | | Tyler Union | Series 6850 | Box | Series 6850 | Box | Series 6850 | Box | | |
| | | | 58, 59, 60 | Extension | 58, 59, 60 | Extension | 58, 59, 60 | Extension | | |
| | | | Standard Lid | Blue Water Lid | Standard Lid | Purple Reclaim Lid | Standard Lid | Green Sewer Lid | | |
| | | Valve Box | Valve Box | For mains equal to, or greater than, 16" diameter or equal to greater than 6' feet deep | | | | | | |
| | | | | American Flow Control | # 2A - 9A Retrofit Valve Box Insert | Fit inside std valve boxes | N/A | | 2A - 9A Retrofit Valve Box Insert | Green Sewer Lid |
| Mueller Company | MVB050C thru MVB130C with Extension Stem MVB875 Guide Plate | | | Blue Water Lid | MVB050CR thru MVB130CR with Extension Stem MVB875 Guide Plate | Purple Reclaim Lid | MVB050C thru MVB130C with Extension Stem MVB875 Guide Plate | Green Sewer Lid | | |



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|-----------------------|---------------------------|---|---------|----------|-----------------|--------------------------|--|--------------|
| | | | Model # | Comments | Model # | Comments | Model # | Comments |
| Coatings | Coatings for Manholes | Interior coating for manholes with drop connections, force main connections, receiving manholes, and large manholes only. New precast structures and pump stations shall be lined. | | | | | | |
| | | Engineered Spray Solutions | N/A | N/A | N/A | N/A | SprayROQ | min 110 mils |
| | | Kerneos Aluminate | N/A | N/A | N/A | N/A | Sewpercoat | min 110 mils |
| | | Raven Lining System | N/A | N/A | N/A | N/A | Raven 155 Primer | min 110 mils |
| | | | N/A | N/A | N/A | N/A | Raven 405 | min 110 mils |
| | | Sauereisen | N/A | N/A | N/A | N/A | 210 Series | min 110 mils |
| | | | N/A | N/A | N/A | N/A | Topcoat Glaze 210G | min 110 mils |
| CCI Spectrum, Inc | N/A | N/A | N/A | N/A | Spectrashield | min 110 mils | | |
| PVC Pipe and fittings | Pipe SDR 35 Gravity Mains | PVC Pipe for Gravity SDR26/SDR 35 (Green in color) ASTM-D034. Manufacturers shall be members in good standing with Uni-Bell to maintain approval status. | | | | | | |
| | | Certainteed | N/A | N/A | N/A | N/A | Gravity Sewer Pipe | |
| | | Diamond Plastics Corp. | N/A | N/A | N/A | N/A | Sani-21 SDR-35 | |
| | | JM Eagle | N/A | N/A | N/A | N/A | Gravity Sewer | |
| | | National Pipe & Plastics, Inc. | N/A | N/A | N/A | N/A | Ever-Green Sewer Pipe | |
| | | North American Pipe Corp. (NAPCO) | N/A | N/A | N/A | N/A | Gravity Sewer | |
| | | Sanderson Pipe Corp. | N/A | N/A | N/A | N/A | Gravity Sewer | |
| | Fittings SDR 35 | Fittings, Adapters and Plugs - Gravity PVC ASTM-D3034, Min SDR26/ SDR 35 | | | | | | |
| | | GPK Products, Inc. | N/A | N/A | N/A | N/A | SDR26/SDR35 Gasketed sewer fittings | |
| | | Harrington Corporation (HARCO) | N/A | N/A | N/A | N/A | SDR26/SDR35 Gasketed sewer fittings | |
| | | Multi Fittings Corp. | N/A | N/A | N/A | N/A | SDR26/SDR 35 Trench Tough Sewer Fittings | |
| | | JM Eagle | N/A | N/A | N/A | N/A | SDR26/SDR35 Gasketed sewer fittings | |
| | | Plastic Trends Inc | N/A | N/A | N/A | N/A | SDR26/SDR35 Gasketed sewer fittings | |
| | | TIGRE USA, Inc. | N/A | N/A | N/A | N/A | SDR26/SDR35 Gasketed sewer fittings | |
| | Flexible Pipe Connectors | Flexible Pipe Connectors and Transitions | | | | | | |
| | | Fernco | N/A | N/A | N/A | N/A | 1002, 1051, 1056 Series | |
| Indiana Seal | | N/A | N/A | N/A | N/A | 102, 151, 156 Series | | |
| Mission Rubber | | N/A | N/A | N/A | N/A | MR02, MR51, MR 56 Series | | |



| Cat. | Desc | Manufacturer | Water | | Reclaimed Water | | Wastewater | |
|-----------------------------|---|---|---------|----------|-----------------|---------------------------|---|-------------|
| | | | Model # | Comments | Model # | Comments | Model # | Comments |
| Precast Concrete Structures | MH Lids | Frame and Cover | | | | | | |
| | | USF Fabrication Inc. | N/A | N/A | N/A | N/A | Per City Details | |
| | Adj Ring | Top Adjusting Rings - HDPE with heavy duty loading (H-20) | | | | | | |
| | | Ladtech, Inc | N/A | N/A | N/A | N/A | 24R, 24S with Rope Sealant CS2455 | |
| | Hatches | Wet Well and Valve Vault Access Frames and Covers with recessed lock & hasp. Frames and covers per manufacturers specifications. | | | | | | |
| | | Halliday Products | N/A | N/A | N/A | N/A | Per Pump Design | |
| | | USF Fabrication Inc. | N/A | N/A | N/A | N/A | Per Pump Design | |
| | Safety Grate | Wet Well Hatch shall be equipped with integrated hatch entry protection system. | | | | | | |
| | | Halliday Products | N/A | N/A | N/A | N/A | Per Pump Design | |
| | Precast Concrete Structures | Precast Manhole and Wetwell Structures ASTM C478. | | | | | | |
| | | Allied Precast | N/A | N/A | N/A | N/A | Submit for Approval | |
| | | Atlantic Concrete Products, Inc. | N/A | N/A | N/A | N/A | Submit for Approval | |
| | | Delzotto Products, Inc. | N/A | N/A | N/A | N/A | Submit for Approval | |
| | | Mack Concrete | N/A | N/A | N/A | N/A | Submit for Approval | |
| | | Oldcastle Precast | N/A | N/A | N/A | N/A | Submit for Approval | |
| | | Standard Precast Inc. | N/A | N/A | N/A | N/A | Submit for Approval | |
| | Heat Shrink Seal | Heat Shrink Seal - Precast structures shall be primed with manufacturer approved primer prior to application of heat shrunk encapsulation. | | | | | | |
| | | Canusa-CPS | N/A | N/A | N/A | N/A | Wrapid Seal with WrapidSeal Primer (Canusa G Primer) | |
| | | Pipeline Seal & Insulator, Inc. (PSI) | N/A | N/A | N/A | N/A | Riser Wrap with Polyken 1027 or 1039 primer | |
| | Jointing Material | Jointing Material Min. 2" width for all products to ensure squeeze out with manufacturer approved primer. | | | | | | |
| | | Henry Company | N/A | N/A | N/A | N/A | Ram-Nek | with Primer |
| | | Martin Asphalt Company | N/A | N/A | N/A | N/A | Evergrip 990 | with Primer |
| | | Trelleborg Pipe Seals | N/A | N/A | N/A | N/A | NPC – Bidco C-56 | with Primer |
| Pipe Seals Gravity | Resilient Connector Pipe Seals, Manhole - Gravity less than 12-inch and less than 15-ft deep | | | | | | | |
| | Atlantic Concrete | N/A | N/A | N/A | N/A | A-Lok (cast-in-place) | | |
| | Hail Mary Rubber | N/A | N/A | N/A | N/A | Star Seal (cast-in-place) | | |
| | IPS | N/A | N/A | N/A | N/A | Wedge Style | | |
| | NPC | N/A | N/A | N/A | N/A | Kor-N-Seal Model WS | | |
| | Press seal gasket | N/A | N/A | N/A | N/A | PSX Direct Drive | | |



| Cat. | Desc | Manufacturer | Water | | Reclaimed Water | | Wastewater | |
|-------------------------|--------------------|---|---------|----------|-----------------|----------|------------------------------|---------------|
| | | | Model # | Comments | Model # | Comments | Model # | Comments |
| Precast Concrete Struc. | Pipe Seals Gravity | Cast in Place Pipe Seals, Manhole - Gravity Greater Than or Equal to 12-inch and all pipe sizes greater than 15-ft deep | | | | | | |
| | | Atlantic Concrete | N/A | N/A | N/A | N/A | A-Lok | cast in place |
| | | Hail Mary Rubber | N/A | N/A | N/A | N/A | Star Seal | cast in place |
| | FM Pipe Seals | Modular Pipe Seals for Wet Well and Valve Box penetrations and all forcemain connections to existing and new precast concrete structures. EPDM Rubber with 316 SS Hardware | | | | | | |
| | | CCI Pipeline Systems | N/A | N/A | N/A | N/A | Wrap-It Link WL-SS Series | |
| | | Pipeline Seal & Insulator, Inc / Link Seal | N/A | N/A | N/A | N/A | Link-Seal S-316 Modular Seal | |
| | | Proco Products, Inc. | N/A | N/A | N/A | N/A | PenSeal ES-PS Series | |



| Cat. | Desc | Manufacturer | Water | | Reclaimed Water | | Wastewater | |
|---------------------------|----------------------------------|---|---------|----------|-----------------|--------------------------|--|--|
| | | | Model # | Comments | Model # | Comments | Model # | Comments |
| Generator | Generator | Generator Systems, Fixed Shall be UL 2200 Certified. | | | | | | |
| | | Generac | N/A | N/A | N/A | N/A | | Submit for Approval |
| | | Tradewinds | N/A | N/A | N/A | N/A | | Submit for Approval |
| | Fuel Tanks | Generator Fuel Tanks. Shall be UL2085 certified. | | | | | | |
| | | Generac | N/A | N/A | N/A | N/A | | Submit for Approval, Base Mounted |
| | | Tradewinds | N/A | N/A | N/A | N/A | | Submir for Approval |
| GR | Generator Receptacle (GR) | | | | | | | |
| | Pyle National | N/A | N/A | N/A | N/A | | JRE-4100 (230V, 100A, 3P, 4W) with Angle Adapter | |
| Pressure Gauges | Pressure Gauges | Pressure Gauges shall have Diaphragm Seals. Oil filled. | | | | | | |
| | | Ashcroft | N/A | N/A | N/A | N/A | 10 1008SL 02L 60# | Gauge Diaphragm Seal |
| | | | N/A | N/A | N/A | N/A | 25 200SS 02T XYTSE | |
| | | Trerice | N/A | N/A | N/A | N/A | D83LFSS4002LA100 - Gauge | |
| | | | N/A | N/A | N/A | N/A | M51001SSSS - Diaphragm Seal | |
| | | | N/A | N/A | N/A | N/A | D99100 Fill and Mount Charge | |
| | | Winter Gauges | N/A | N/A | N/A | N/A | PFQ770 0-60 PSI | |
| | | | N/A | N/A | N/A | N/A | D70950 top | |
| | | | N/A | N/A | N/A | N/A | D70954 Bottom | |
| Pumps | Pumps | Submersible Pumps | | | | | | |
| | | Flygt | N/A | N/A | N/A | N/A | | |
| | Floats | Float Regulator (FR) - Duplex Pump Stations | | | | | | |
| Rotofloat | | N/A | N/A | N/A | N/A | | Roto-Float | |
| Pump Station Main Service | Main Service Disc. | Main Service Disconnect Breaker | | | | | | |
| | | Square D | N/A | N/A | N/A | N/A | | H or J Frame 3 Pole 600 Volt (HGL or JGL determined by amperage) |
| | Surge Protector Device | Surge Protector - UL 1449, 3rd Edition listed and labeled, minimum 10 year warranty, NEMA LS-1 and IEEE C62, 41/45 tested with NEMA 4X enclosure, internal fusing, voltage and phase to match service. Rated 80,000 amps per mode for Duplex & Triplex stations and 150,000 Amperes per mode for Master Stations. All devices shall be provided with a NEMA 4X Plastic enclosure which is approved in lieu of stainless steel. | | | | | | |
| | | Current Technology (Power & Systems) | N/A | N/A | N/A | N/A | | XN-80, TG-150 or CurrentGuard 150 Plus Series |
| | | Joslyn AKA (Total Protection Solutions) | N/A | N/A | N/A | N/A | | TSS-ST 160 Series, ST 300 Series or JSP-300 Series |
| Surge Suppressors, Inc | N/A | N/A | N/A | N/A | | LSE Series or SHL Series | | |



| Cat. | Desc | Manufacturer | Water | | Reclaimed Water | | Wastewater | |
|----------------------------|-------------------------------------|---|---------|----------|-----------------|----------------|------------------------|----------|
| | | | Model # | Comments | Model # | Comments | Model # | Comments |
| Sub Panel | Sub Panel | Sub-Panel Enclosure - NEMA 12/3R Enclosure 316SS, white polyester Powder coated finish inside and out, With 3 Point Pad lockable Handle, and Door Stop | | | | | | |
| | | Hoffman | N/A | N/A | N/A | N/A | | |
| | | Schaefer | N/A | N/A | N/A | N/A | | |
| | | Universal enclosure systems | N/A | N/A | N/A | N/A | | |
| Pump Station Control Panel | Control Panel | Control Panel Supplier | | | | | | |
| | | ECS | N/A | N/A | N/A | N/A | | |
| | | Sta-Con Inc | N/A | N/A | N/A | N/A | | |
| | Enclosure | Enclosure - NEMA 12/3R Enclosure 316SS, white polyester Powder coated finish inside and out, With 3 Point Pad lockable Handle, and Door Stop | | | | | | |
| | | Hoffman | N/A | N/A | N/A | N/A | | |
| | | Schaefer | N/A | N/A | N/A | N/A | | |
| | | Universal enclosure systems | N/A | N/A | N/A | N/A | | |
| | Mount | Mounting Channel for Enclosures | | | | | | |
| | | Unistrut Stainless Steel | N/A | N/A | N/A | N/A | 1" 5/8 x 1" 5/8 316 SS | |
| | Seal-off | Explosion-Proof Sealoff | | | | | | |
| | | Cooper Crouse-Hinds | N/A | N/A | N/A | N/A | EYSR - 2 Inch Min. | |
| | Flasher | Flasher (FL) | | | | | | |
| | | MPE | N/A | N/A | N/A | N/A | 025-120-105 | |
| | | SSAC | | | | | FS-126 | |
| | Alarm Light | Alarm Light / With Base and Globe (AL) | | | | | | |
| | | American Electric | N/A | N/A | N/A | N/A | F32552 | |
| | | Red Dot Globe | N/A | N/A | N/A | N/A | VGLR-01 | |
| | | Red Dot Base | | | | | VA-01 | |
| | AH | Alarm Horn (AH) | | | | | | |
| | | Wheelock | N/A | N/A | N/A | N/A | 3IT-115-R | |
| Fuse | Fuses (F) | | | | | | | |
| | Bussmann | N/A | N/A | N/A | N/A | FNQ-R or KTK-R | | |
| HOA | Hand-Auto-Off Selector (HOA) | | | | | | | |
| | Square D | N/A | N/A | N/A | N/A | 9001-SKS43B | | |
| HSS | Horn Silence Button (HSS) | | | | | | | |
| | Square D | N/A | N/A | N/A | N/A | 9001-SKR1RH5 | | |



| Cat. | Desc | Manufacturer | Water | | Reclaimed Water | | Wastewater | |
|----------------------------|--|--|---------|----------|------------------|------------------|--|----------------------|
| | | | Model # | Comments | Model # | Comments | Model # | Comments |
| Pump Station Control Panel | Inter-lock | Mechanical Interlock | | | | | | |
| | | Square D | N/A | N/A | N/A | N/A | S29354 | |
| | Breakers | Control Panel Main Circuit Breaker (MCB) With S29450 Circuit Breaker Auxiliary Switch | | | | | | |
| | | Square D | N/A | N/A | N/A | N/A | H or J Frame 3 Pole 600 Volt (HGL or JGL determined by amperage) | |
| | | Emergency Circuit Breaker (ECB) With S29450 Circuit Breaker Auxiliary Switch | | | | | | |
| | | Square D | N/A | N/A | N/A | N/A | H or J Frame 3 Pole 600 Volt (HGL or JGL determined by amperage) | |
| | | Motor Circuit Breaker (MB) | | | | | | |
| | | Square D | N/A | N/A | N/A | N/A | H or J Frame 3 Pole 600 Volt (HGL or JGL determined by amperage) | |
| | MS | Control Circuit Breaker/ GFCI Receptacle Breaker/ SCADA Breaker | | | | | | |
| | | Square D | N/A | N/A | N/A | N/A | QOU120 | |
| | MS | Motor Starter (MS) | | | | | | |
| | | Square D | N/A | N/A | N/A | N/A | Type S Class 8536 | |
| | OL | Overload Heater(OL) | | | | | | |
| | | Square D | N/A | N/A | N/A | N/A | Part number will vary with size needed | |
| | OR | Overload Reset | | | | | | |
| | | Square D | N/A | N/A | N/A | N/A | 9066-RA1 | |
| | Transformer | Control Circuit Transformer (XMFR) | | | | | | |
| | | Square D | N/A | N/A | N/A | N/A | 9070TF75D23 | 120/24 Volt .075 KVA |
| | | Main Circuit Transformer (MCT) | | | | | | |
| | SPB | Square D | N/A | N/A | N/A | N/A | 9070T2000D1 | 480/120 2KVA |
| | | Supplemental Fuses - 3 pole, 1-amp for Phase Monitor | | | | | | |
| | PM | Square D (or approved equal) | N/A | N/A | N/A | N/A | MG24532 | |
| Phase Monitor (PM) | | | | | | | | |
| MPE 240 V. | | N/A | N/A | N/A | N/A | 001-230-118-OVG5 | | |
| MPE 480 V. | N/A | N/A | N/A | N/A | 002-480-123-OVG5 | | | |
| Pump Alternator | Pump Automatic Alternator (PAA) | | | | | | | |
| | Diversified Duplex | N/A | N/A | N/A | N/A | ARA-120-ACA | | |
| | MPE Duplex | N/A | N/A | N/A | N/A | 008-120-13SP | | |



| Cat. | Desc | Manufacturer | Water | | Reclaimed Water | | Wastewater | |
|----------------------------|--|---|---------|----------|-----------------|-------------------------------------|---------------------------------|----------|
| | | | Model # | Comments | Model # | Comments | Model # | Comments |
| Pump Station Control Panel | Alt. Test Switch | Alt. Test Switch | | | | | | |
| | | Carling Technologies | N/A | N/A | N/A | N/A | 6GG5E-78 | |
| | | Honeywell | N/A | N/A | N/A | N/A | 2TL1-50 | |
| | Relay | Relay | | | | | | |
| | | Potter Brumfield 24 Volt | N/A | N/A | N/A | N/A | KRPA-11AN-24 | |
| | | Potter Brumfield 120 Volt | N/A | N/A | N/A | N/A | KRPA-11AN-120 | |
| | | Square D 24 Volt | N/A | N/A | N/A | N/A | 8501KP12P14V14 | |
| | | Square D 120Volt | N/A | N/A | N/A | N/A | 8501KP12P14V20 | |
| | Relay Base | Relay Base | | | | | | |
| | | IEDC 8 Pin Relay Base 600 Volt | N/A | N/A | N/A | N/A | SR2P-06 | |
| | Duplex Receptacle /GFCI | Duplex Receptacle/GFCI (DR) Upgraded to 20 Amp | | | | | | |
| | | Hubbell | N/A | N/A | N/A | N/A | GFTR20BK | |
| | | Pass & Seymour | N/A | N/A | N/A | N/A | 2095TRBK | |
| | ETM | Elapse Time Meter (ETM) | | | | | | |
| | | Reddington | N/A | N/A | N/A | N/A | 711-0160 | |
| | Grounding | Grounding System | | | | | | |
| | | Marathon | N/A | N/A | N/A | N/A | Neutral Isolation Block 1421570 | |
| | | Panduit | N/A | N/A | N/A | N/A | Ground Lug LAM2A 1/0 - 014 -6Y | |
| | | Square D | N/A | N/A | N/A | N/A | Ground Buss PK7GTA | |
| | TS | Terminal Strip (TS) | | | | | | |
| | | Marathon | N/A | N/A | N/A | N/A | Series 200 | |
| | | Square D | N/A | N/A | N/A | N/A | 9080GR6 | |
| | TS | Terminal Strip End Blocks and End Clamps | | | | | | |
| Square D | | N/A | N/A | N/A | N/A | 9080GM6B & 9080GH10 | | |
| PL | Pilot Light (PL) 24 Volt with 1819 Bulb | | | | | | | |
| | Dialight | N/A | N/A | N/A | N/A | 803-1710 | | |
| | Lighting Components & Design | N/A | N/A | N/A | N/A | Littlelight 930507X | | |
| RL | Run Indicator Light (RL) 120 Volt | | | | | | | |
| | Dialight | N/A | N/A | N/A | N/A | 803-1710 | | |
| | Lighting Components & Design | N/A | N/A | N/A | N/A | Littlelites 930507X With 120MB Bulb | | |



| Cat. | Desc | Manufacturer | Water | | Reclaimed Water | | Wastewater | |
|------|------|----------------------------------|---------|----------|-----------------|----------|------------|-------------|
| | | | Model # | Comments | Model # | Comments | Model # | Comments |
| VFD | VFD | Variable Frequency Drives | | | | | | |
| | | Square D | N/A | N/A | N/A | N/A | | |
| | | Schneider Electric | N/A | N/A | N/A | N/A | | Soft Starts |