



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
		D-060	High Flows	D-060	High Flows	D-026 (SS)		
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	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	



Cat.	Desc	Manufacturer	Water		Reclaimed Water		Wastewater	
			Model #	Comments	Model #	Comments	Model #	Comments
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	



Cat.	Desc	Manufacturer	Water		Reclaimed Water		Wastewater	
			Model #	Comments	Model #	Comments	Model #	Comments
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		



Cat.	Desc	Manufacturer	Water		Reclaimed Water		Wastewater	
			Model #	Comments	Model #	Comments	Model #	Comments
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



Cat.	Desc	Manufacturer	Water		Reclaimed Water		Wastewater	
			Model #	Comments	Model #	Comments	Model #	Comments
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, FB1700-7-NL		FB1000-4-NL, FB1700-7-NL		FB1700-7-NL	2" ARV	
	Mueller	P-25008N, P-25028N, B-20046N		P-25008N, P-25028N, B-20046N		B-20046N	2" ARV	



Cat.	Desc	Manufacturer	Water		Reclaimed Water		Wastewater	
			Model #	Comments	Model #	Comments	Model #	Comments
	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: 1.2" and smaller	Tapping Valves: 1.2" 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		



Cat.	Desc	Manufacturer	Water		Reclaimed Water		Wastewater	
			Model #	Comments	Model #	Comments	Model #	Comments
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	Valve I.D. Marker	Valve I.D. Marker shall follow City Detail UT009 Valve Box and Cover and shall include "City of Ocoee", main type, size, material, turns to open or close valve, and direction of rotation.						
		Berntsen	2" CD2B-U Bronze Marker		2" CD2B-U Bronze Marker		2" CD2B-U Bronze Marker	
		Wager Co.	3" Round Bronze Valve Marker		3" Round Bronze Valve Marker		3" Round Bronze Valve Marker	
			3" Round Brass Flat Valve Marker Disk		3" Round Brass Flat Valve Marker Disk		3" Round Brass Flat Valve Marker Disk	
	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	



Cat.	Desc	Manufacturer	Water		Reclaimed Water		Wastewater			
			Model #	Comments	Model #	Comments	Model #	Comments		
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		



Cat.	Desc	Manufacturer	Water		Reclaimed Water		Wastewater	
			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