

APPROVED PRODUCTS LIST - SEWER FORCE MAIN & PUMPING SYSTEMS

updated: October 16, 2024

Product Category	Approved Manufacturer	Model/Series	Pressure/Load Rating	Website	Reference/Standard	Requirements
Ductile Iron Pipe 4-inch & Larger Diameter epoxy Lined	US Pipe	Tyton Joint	250-350 psi see specification	http://www.uspipe.com/Main/	AWWA C150 & C151 and DIPRA Stds	40-mils of Protecto 401 Lining (401 lining must be < 1yr old) McWane Pipe stamped: McWane by Atlantic States or Clow only
	American	Fastite Joint		http://www.acipco.com		
	McWane	Tyton Joint		http://atlanticstates.com/		
Ductile Iron Fittings 4-inch & Larger Diameter Epoxy Lined	Sigma	Mechanical Joint	250-350 psi see specification	http://www.sigmaco.com/Products/Fittings.htm	AWWA C110 & C153 and DIPRA Stds	Shall always receive interior Protecto 401 Lining to meet or exceed main line pipe standards. (401 lining must be < 1yr old)
	Tyler Union	Mechanical Joint		http://www.tylerunion.com/		
	SIP Industries	Mechanical Joint		http://www.sipindustries.com/main/default.asp		
	Star	Mechanical Joint		http://www.starpipeproducts.com/		
	American	Mechanical Joint		http://www.acipco.com		
Ductile Iron Restrained Joint Pipe 4-inch & Larger Diameter Epoxy Lined	Griffin	Snap Lok	250-350 psi see specification	http://www.griffinpipe.com/	AWWA C150 & C151 and DIPRA Stds	Boltless restraint unless otherwise specified
	American	Flex Ring		http://www.acipco.com		
	US Pipe	HDSS/TR Flex		http://www.uspipe.com/Main/		
Wedge Action Retainer Glands	EBAA	Mega-Lug	350-psi through 12" 250-psi through 48"	http://www.ebaa.com/	UL/FM approved through 12"	All retainer glands shall be epoxy coated or polyester powder coated
	Ford	Uni-Flange Series 1400		http://www.fordmeterbox.com/		
	Romac	RomaGrip		http://www.romac.com/		
	Sigma	One Lok Model SLDE		http://www.sigmaco.com		
	SIP	EZ-Grip		http://www.sipindustries.com		
	Star	Stargrip		http://www.starpipeproducts.com		
	Tyler Union	TUFGrip TLD		http://www.tylerunion.com/		
Plug Valve (bi-directional)	Pratt	Balcentric Plug Valve	4-12-inch, 175psi >12-inch, 150psi	www.henrypratt.com	AWWA C517	4"-12" Round Port & 14"-48" Rectangular, Full Port carrying 100% of pipe flow
	Milliken	600 N1BG		www.millikenvalve.com		
	DeZurik	PEF (14"-36" ONLY)		www.dezurik.com		
Ball Valve	Pratt	Rubber Seated Ball Valve	150 psi	www.henrypratt.com	AWWA C507	For use on large diameter pipe
Valve Box	E. Jordan Iron Works	Screw Type 8550 (or 8560)	N/A	http://www.ejco.com/		Telescoping Box Assembly & 6" lid with 4" skirt labeled "Sewer"
	Bingham & Taylor	Screw Type 4905		http://www.binghamandtaylor.com/		
Combination Air Valve	Vent-O-Mat	RGX	145 psi	www.ventomat.com	AWWA C512	Stainless steel valve bodies
	Vent-Tech	Series C - SWG, SWS	276 psi	http://www.internationalvalve.com/		
	ARI	Site Specific (D-020 or D-026)	250 psi	http://www.arivalves.com/		
Marking Tape & Marker Balls	3M Marker Ball	1404-XR	N/A	http://solutions.3m.com/en_US/	APWA	Green for Wastewater
	3M Marking Tape	7904 EMS				
Manhole Epoxy Coating	RLS	Raven 405	120-mils wetwell shall be coated prior to installation of piping and/or appurtenances	www.ravenlining.com		Installed by: Certified Applicator
	Sherwin Williams	Duraplate-5900		www.sherwin-williams.com		
DIP Epoxy Coating	Induron	Protecto 401	N/A	www.protecto401.com		40-mil thickness required. Pipe must be installed within 1 year of date of lining. High pressure cleaning shall not exceed 1800psi. Lined carrier pipe shall be pulled through casing.
	Permite Corp.	PermoX-CTF		www.protecto401.com		Shall be applied by a licensed applicator

Grinder	JWC Environmental	CMD-1800	N/A	http://www.jwce.com/		Must have integral rotating screen
	Vogelsang	Xripper		https://www.vogelsang.info/en-us/		
Grinder Control Panel	JWC Environmental	B100R	N/A	http://www.jwce.com/		
Grinder Motor	Baldor	Site Specific	N/A	http://www.baldor.com	NEMA Design 'B' and TEFC	Minimum Motor Size: 5hp, 60Hz, 240V or 480V AC; electric, immersible IP67 rated
	Reliance			http://www.reliance.com/		
	US Motor			http://www.usmotors.com/		
Pump	Fairbanks Nihuis	Site Specific	N/A	http://www.fairbanksnihuis.com/		motor horsepower shall be 10 hp minimum/ pump station specific
	Sulzer			http://www.sulzer.com		
	Cornell			https://www.cornellpump.com/pump-products/		
Flow Meter	Endress Hauser	Site Specific	N/A	https://www.us.endress.com/en/field-instruments-overview		316 SS Flanges on meters less than 24-inches. Must have two, three, or four 316 SS or Hastelloy C electrodes
	Siemens			https://new.siemens.com/global/en/products/automation/		
	Flexim			https://www.flexim.com/us		
	Krohne			www.krohne.com		
	Rosemount			www.rosemount.com		
Pressure Transmitter	Endress Hauser	Site Specific	N/A	https://www.us.endress.com/en/product-tools		
	Vega			https://www.vega.com/en/home_aw/industries/water-wastewater/waste		
	Rosemount			www.rosemount.com		
Level Transmitter	Endress Hauser	Site Specific	N/A	https://www.us.endress.com/en/product-tools		
	Siemens			https://new.siemens.com/global/en/products/automation/		
	Vega			www.fielddevices.foxboro.com/products/pressure		
	MPE, Inc			http://products.mpelectronics.com/category/level-measurement		
Odor Control Unit	Carbtrol	Site Specific	N/A	www.carbtrol.com		Pump stations shall have powered unites/pump station specific
	Wager	Typically 2050-1 or larger		www.wagerusa.com		
Alarm Dialer	Sensaphone	Site Specific	N/A	https://www.sensaphone.com/industries/		Shall be in a lockable NEMA 4 enclosure and have a thermostatically controlled heater.
	Antx	Site Specific		https://www.antx.com/		
	Omnisite	Site Specific		http://www.omnisite.com/monitoring-solutions/		
Generator	CAT	Site Specific	N/A	www.cat.com		Must Meet All Regulatory and Town Requirements
	MTU			www.mtuonsiteenergy.com		
	ONAN			www.power.cummins.com		
Generator Engine	CAT	Site Specific		www.cat.com		
	John Deere			www.deere.com		
	Merc-Benz			MTUonsiteenergy.com		
	Detroit Deisel			https://www.powergenerators.com/detroit-diesel-generator		
	Cummins			www.power.cummins.com		
Swing Check Valves	Dezurik	CVS EDV F1 D1 S1 NBR S40SD0 LW	250 psi see specification	http://www.dezurik.com/products	ASTM A536, AWWA C508	Stainless Steel components, approved for Wastewater. Weighted enclosure.
	CLOW			https://www.clowvalve.com/products/catalog/		
	ABCO					
Meter Vault Doors	Halliday	Varies	N/A	http://www.hallidayproducts.com/	H2O Loading, no exceptions	All hatch doors shall include slam lock and lockable assembly for owner's padlock. Safety Grates Required.
	Bilco			http://www.bilco.com/		
	US Foundry			http://www.usfoundry.com/		
Prefabricated Chemical Building	Smith - Carolina	Varies	N/A			
	Easi-Set					

Chemical Feed Pump	Milton Roy	Pump Station Specific	N/A	https://www.miltonroy.com/		unit shall be 50-250 gpd minimum size/ pump station specific. Chemical Tank Shall be Crosslink
	Pulsafeeder			http://www.pulsafeeder.com/		
Gate Valves	Mueller		250-psi	http://www.muellercompany.com/		Left opening, no wheel operators allowed. Sealing gaskets shall be EPDM. Gear operators as follows:18"-2:1, 20" & 24"-3:1, ≥30"-4:1
	Clow			http://www.clowvalve.com/		
	AFC (American Flow Control)			http://www.acipco.com		
	M&H			http://www.mh-valve.com/		
Electrical Distribution/ Breaker Panels	Siemens	Varies	N/A	https://www.siemensbreakers.com/		
	General Electric			https://www.geindustrial.com/products/circuit-breakers		
	Square D			https://www.schneider-electric.us/en/work/products/		
	Hammer			https://www.eaton.com/us/en-us/catalog/		
Chemical Tank						Tank Shall be crosslink polyethylene
Dismantling Joint	Romac	DJ400/DJ405	175-psi	http://www.romac.com/	AWWA C219, NSF 61, NSF 372, ASTM D2000	Install next to meter in meter vault installations. Dismantling Joints must be coated. Hymax DJ400 with Tierods, DJ405 with Romagrip. 304 SS hardware and tierods when applicable.
	Ford	FDJ-DxxR-R	150-psi	http://www.fordmeterbox.com/		
	Krausz USA	Hymax	175 psi	https://www.hymaxusa.com/products-main/dismantling-joint/dismantling-joint-3		
Transition Coupling	Krausz	Hymax 2	250-psi	http://www.krauszusa.com	AWWA C219 NSF 61, NSF 372	For SS to DIP. Pipes must be properly restrained against axial movement. 304 SS hardware required.
	Ford	FC2W		http://www.fordmeterbox.com/		
	Romac	XR-501 or Macro HP or ALPHA		http://www.romac.com/		