

**APPROVED MANUFACTURERS' PRODUCTS FOR WATER SYSTEMS**  
**UPDATED: AUGUST 2022**

PRODUCT	SPECIFICATIONS	MANUFACTURER	DESCRIPTION/MODEL	
CASING SPACERS	Stainless Steel Body	Advance Products & Systems	SI or SSI	
		Cambridge Brass - Power Seal	Model 4810	
		Ford Meter Box	UFRC1300 UFRC1390	
COUPLINGS	<b>Watermain Pipe</b> AWWA C219-11 AWWA C111/A21.11-12 AWWA C153/A21.53-11 AWWA C227-11 ASTM F1476-07 (2013) Epoxy Coated Ductile Iron (up to 300mm)	Krausz	HyMax (AC Pipe) HyMax Grip (PVC/Steel)	
		Cambridge Brass - Power Seal	Model 3501	
		Smith-Blair Inc.	Series 441, 442 - with optional stainless steel hardware	
	<b>Water Service Pipe, Compression Type</b> AWWA C800-12 19mm to 25mm with stop 38mm to 50mm, no stop required	Ford Meter Box	FC1	
		Cambridge Brass	Series 118 NL Series 119 NL	
		Mueller Canada	Mueller 110 Compression Connection (Low Lead)	
CURB STOPS	<b>Ball Valve Type</b> AWWA C800-12 Compression joint Brass ball valve Stop only, no drain	Ford Meter Box	C44-XX-Q-NL	
		Cambridge Brass	Series 202 NL	
		Mueller Canada	B-25209-NL	
MAIN STOPS	<b>Ball Valve Type</b> AWWA C800-12 Brass ball Valve, compression joint, meeting AWWA C800 requirements	Ford Meter Box	B44-XXX-Q-NL	
		Cambridge Brass	Series 301 NL	
		Mueller Canada	B-25008-NL	
FITTINGS	<b>Ductile Iron</b> AWWA C111/A21.11-12 AWWA C110/A21.10-12 AWWA C104/A21.4-08 AWWA C153/A21.53-11 Class 350 Cement Lined (up to 300mm) Mechanical Joint	Bibby-Ste-Croix (Division of Canada Pipe Co. Ltd.)		
		Sigma Corp.		
		Star® Pipe Products Inc.		
FITTINGS	<b>Ductile Iron</b> AWWA C111/A21.11-12 AWWA C110/A21.10-12 AWWA C104/A21.4-08 AWWA C153/A21.53-11 Class 52 Cement Lined (Over 300mm) Mechanical Joint	Bibby-Ste-Croix (Division of Canada Pipe Co. Ltd.)		
FITTINGS	<b>Polyvinyl Chloride (PVC)</b> CAN/CSA-B137.2-13 (See B137 Series-13) CAN/CSA-B137.3 (See B137 Series-13) AWWA C900-07 AWWA C907-12			
RESTRAINERS	<b>Mechanical Joint</b> ASTM F1674-11 CKL-104 CKL-105 CKL-106 CKL-107	Clow Canada	Tuf Grip	
		Sigma Corp.	One-Lok	
		Smith-Blair Inc.	Cam-Lock™ 120	
		Star® Pipe Products Inc.	Stargrip® 4000	
		Romac Industries Inc.	GripRing™	
		Ford Meter Box	Uni-Flange 1500 Series	
RESTRAINERS	<b>Pipe Joint (Bell &amp; Spigot)</b> ASTM F1674-11 CKL-104 CKL-105 CKL-106 CKL-107 CKL-111	Clow Canada	Series 300	
		Sigma Corp.	PV-Loc	
		Smith-Blair Inc.	Bell-Lock™ 165	
		Star® Pipe Products Inc.	Series 9000	
		Ford Meter Box	Uni-Flange Series 1350-6 Uni-Flange 1300 Series	
PIPE	<b>Polyvinyl Chloride (PVC)</b> CAN/CSA-B137.3-13 (See B137 Series-13) AWWA C905-10 AWWA C900-07 100mm to 300mm dia. pipes meeting requirements of AWWA C900, Class 235, SDR 18 and certified to CSA B137.3. 400mm dia. Pipe is approved on a site-specific basis only, meeting requirements of AWWA C905, SDR 18 and certified to CSA B137.3.	IPEX Inc.	Blue Brute Centurion	
		NAPCO Royal Pipe & Fittings	Royal Seal™ CIOD Pressure Pipe	
		Diamond Plastics	C-900	
	<b>Concrete Pressure Pipe</b> AWWA C301-07 AWWA C303-08 400mm dia. and larger to AWWA C303 (Bar Wrapped).	Rinker Materials	BWCC C-303	
		<b>Polyvinyl Chloride (PVC) for Horizontal Directional Drilling (HDD) Installations</b> CAN/CSA-B137.3-13 (See B137 Series-13) AWWA C900-07 100mm to 300mm dia. Sizes only. Pipe must meet requirements of AWWA C900, Class 150, SDR 18 (minimum) and be certified to CSA B137.3.	IPEX Inc.	Fusible Brute PVC TerraBrute® CR
			NAPCO Royal Pipe & Fittings	Cobra Lock™ HDD Pipe System
<b>High Density Polyethylene (HDPE) for Horizontal Directional Drilling (HDD) Installations</b> AWWA C906-07 100mm to 300mm dia. Sizes only. Pipe must meet requirements of AWWA C906 Pressure Class Dr 11 (minimum) Thermo Butt Fusion CIOD (Blue Stripe)	KWH Pipe	Scalrpipe		
	National Pipe	PE 3408/3608		
SERVICE PIPE	<b>Cross-Linked Polyethylene</b> 19mm to 50mm dia.	IPEX Inc.	Blue 904	
		Rehau Industries Inc.	Municipex SDR 9	

	<b>Copper</b> ASTM B88M-14 19mm to 50mm dia. To ASTM B88M, Type 'K' Soft Copper			
<b>FIRE HYDRANTS</b>	<b>Hydrants</b> AWWA C502 CAN/ULC-S520-07 CKL-102 2 only 63.5mm nozzles with CSA Standard thread, 5 T.P.I., 73.4mm O.D. 1 only 100mm Storz Pumped connection as per ULC #S-520. Hydrant open operating nut counter-clockwise. Hydrant to be painted chrome yellow with Storz cap painted gloss black. Drain ports to be plugged. 2.1m bury, complete with a 300mm barrel extension below the main seat valve to provide a standard 1.8m rod assembly. Trench depths greater than 2.1m, a 1.8m trench rod assembly shall be supplied with a barrel extension of the required length below the main valve seat. Provide safety flange to break away cleanly upon impact. Interior surfaces of upper barrel and boot to be epoxy coated meeting AWWA C550 and NSF 61. All pins, bolts, and nuts to be Type 304 stainless steel. Minimum working pressure 150 psi. All private hydrants shall be painted red.	Mueller Canada	Canada Valve Century with Storz pumper connection	
<b>VALVES</b>	<b>Resilient-Seated Gate Valves</b> AWWA C509-09 CKL-101 100mm to 400mm	Mueller Canada	2361 Series 2362 Series	
		Clow Canada	F6100 Series	
		American AVK Company	Series 65 Series 45	
	<b>Butterfly Valves 400mm to 600mm</b> AWWA C504-10	Mueller Canada	B3211	
		Clow Canada	M&H Style	
		Val-Matic Valve and Manufacturing Corp.	Series 2000	
	<b>Butterfly Valves &gt;600mm</b> AWWA C504-10	Mueller Canada	Lineal XP	
		Clow Canada	M&H Style 2500	
		Val-Matic Valve and Manufacturing Corp.	Series 2000	
	<b>Combination Air Release and Vacuum Break Valves - Vented</b> AWWA C512-07	A.R.I. Flow Control Accessories	D-040 (plastic, in plant use) D-040-C D-060-C	
	<b>SERVICE SADDLES</b>	<b>PVC, DI, CI and AC Pipe</b> Service Saddles must all be stainless steel, 2 bolts, tapered rubber gasket and have a minimum 150mm wide band.	Cambridge Brass	Series 8403
			Mueller Canada	SS Series
Robar Industries Ltd.			Series 2606, Style 2626DB	
Smith-Blair Inc.			Model No. 372	
Ford Meter Box			FS300 Series	
<b>HDPE Pipe</b>		Cambridge Brass - Power Seal	Model #3412-AS-PE	
<b>Concrete Pressure Pipe</b>		Smith-Blair Inc.	Model No. 362	
		JCM Industries	Model No. 425 with fusion epoxy coating	
<b>TAPPING SLEEVES</b>	<b>PVC, DI, CI and AC Pipe</b> AWWA C223-07 On PVC pipe, use stainless steel tapping sleeve only.	Cambridge Brass - Power Seal	Series 3460 MJ CS with optional stainless steel hardware	
		Mueller Canada	H-615, All Stainless Steel	
		Robar Industries Ltd.	6606	
		Smith-Blair Inc.	Models 622 (with Stainless Steel option) and 663. Model 622 MJ	
		Ford Meter Box	FAST FAST-MJ	
	<b>HDPE Pipe</b> AWWA C223-07	Cambridge Brass - Power Seal		
		Ford Meter Box	FASTP FTSCP	
<b>SERVICE BOXES AND COMPONENTS</b>	<b>Service Boxes - Slide Adjustment Type</b> 19mm to 50mm dia. Services Stainless steel, self-centering rod Brass cotter pin, minimum 75mm long	Mueller Canada	A726 for Services <25mm dia. A728 for Services >38mm dia.	
		Bibby-Ste-Croix (Division of Canada Pipe Co. Ltd.)	VS1 VS2	
		Star® Pipe Products Inc.	SB-5001 D1 SB-5002 D2	
		Sigma Corp.	CBA Series	
<b>VALVE BOXES AND COMPONENTS</b>	<b>Valve Boxes</b> CKL-101 135mm slide type. Minimum 125mm inside dia. 750mm upper section 1200mm lower section. 6mm predilled round hole with grommet for tracer wire in upper section. Valve box located in travelled portion of roadway, should be 130mm screw type with frost ring.	Mueller Canada	MVB (Bottom section only. Requires cast iron lid)	
		Bibby-Ste-Croix (Division of Canada Pipe Co. Ltd.)	VB2100 5 1/4" - 130mm Screw Valve Box with No. 6 Base	
		Star® Pipe Products Inc.	VB-5005	
		Sigma Corp.	Valve Box (5 1/4), Sliding	
<b>REPAIR CLAMPS</b>	<b>PVC, DI, CI and AC Pipe</b> Repair clamps >25mm must be stainless steel with 3 bolts.	Cambridge Brass	Teck Series 425 Teck Series 435 with side outlet	
		Total Pipe Solutions	EZ-Max	
		Smith-Blair Inc.	Series 261 (10 inch length)	
		Robar Industries Ltd.	Series 5616	
		Ford Meter Box	FS1 FLS1	
	<b>HDPE Pipe</b>	Cambridge Brass - Power Seal	Model #3121AS-PE	
		Ford Meter Box	FSP1	
<b>YARD HYDRANT</b>	CKL-109	Boshart Industries (BII)	Frost Free Yard Hydrant with Optional Elbow	
<b>INSULATION</b>	<b>Polystyrene, Extruded Expanded</b> Closed cell extruded polystyrene sheets, 50mm thickness, with minimum compression strength of 275 kPa.	Dow Chemical Canada Inc.	Highload 40 Highload 60	
		DuPont de Nemours Inc.	STYROFOAM Highload 40	
		Owens Corning	Foamular 400 Foamular 600	

<b>CATHODIC PROTECTION</b>	<b>Anodes</b> ASTM B418-12 ASTM B843-13 CKL-108 Zinc - 5.4 kg (ASTM B418, Type II) Magnesium - 14.5 kg (ASTM B843, Grade M1C) Supplied with minimum 3m of AWG #10/7 stranded copper cable RWU-90 insulation. Zinc anode shall have white cable insulation. Magnesium anode shall have blue cable insulation		
	<b>Caps for Anode Lead Connections</b>		
	<b>Tapes for Ferrous Watermains and Fittings</b> AWWA C217-09		
<b>TRACER WIRE</b>	<b>Tracer Wire</b> CSA-C22.2 NO. 75-08 (R2013) CKL-108 For open cut and "jack and bore" applications: No. 6, coated 7-Strand, 10 gauge, TWU75 and RW90 XLPE wire, rated at -40 degrees C. For HDD applications: No. 6 copper coated solid core (single strand), 12 gauge, TWU75 and RW90 XLPE wire, rated at -40 degrees C. Wire must meet requirements of CSA C22.2 No. 75.		
<b>METERS</b>	<b>Water Meter</b> AWWA C700-09 AWWA C701-12 AWWA C702-10		
<b>GASKET LUBRICANT</b>	<b>Gasket Lubricant</b> NSF/ANSI 61-2012	IPEX Inc.	
<b>HYDRANT LUBRICANT</b>	<b>Hydrant Lubricant</b> NSF/ANSI 61-2012 Food Grade Only		
<b>LIQUID CHLORINE</b>	<b>Liquid Chlorine</b> NSF/ANSI 60 12% Hypochlorite Solution		