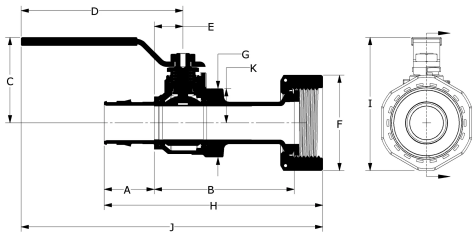
ProPEX lead-free (LF) brass water meter valves

Project information

Job name:	Location:
Engineer:	Date submitted:
Contractor:	Submitted by:
Manufacturer's representative:	Approved by:

Technical data

Material	LF Brass
Subcomponent Material	Valve: C27453 lead-free (LF) brass per ASTM B283/B283M Metal nut: UNS CW614 per ASTM B16/B16M EP nut: Polypropylene GF30 black Gasket: EPDM
Temp/pressure ratings	73 °F (23 °C) at 160 psi (11 bar) 180 °F (82 °C) at 100 psi (6.9 bar) 200 °F (93 °C) at 80 psi (5.5 bar)
Prop 65 label required?	Yes



Product information and application use

Use Uponor ProPEX® lead-free (LF) brass water meter service valves in all commercial submetering and residential water service inlets, outlets or both.1 The valves allow for a direct ASTM F1960 connection to water meters sized $^{5}/_{8}$" to 1". Valve is sized for $^{3}/_{4}$" or 1" Uponor AquaPEX® tubing. Product handle material is stainless steel.

Note: Temperature and pressure ratings stated are hydrostatic ratings. For domestic hot-water (DHW) and DHW recirculation installations, operating conditions should not exceed 140°F (60°C) at 80 psi (5.5 bar) in accordance with ASTM F2023. For additional information regarding application-specific temperature and pressure ratings, refer to the Uponor PEX Piping Systems Design and Installation Manual.

	Part name	Part no.	A [inch]	B [inch]	C [inch]	D [inch]	E [inch]	F [inch]	G [inch]	H [inch]	I [inch]	J [inch]
	ProPEX LF Brass Straight Water Meter Valve, 3/4" PEX x 1" NPSM	WS4820750	0.945	2.957	1.551	2.992	0.591	1.9	1.299	4.278	2.501	5.734
	ProPEX LF Brass Straight Water Meter Valve, 1" PEX x 1 1/4" NPSM	WS4821000	1.181	3.302	2.015	3.819	0.677	2.25	1.614	5.158	3.139	7.119
✔	ProPEX LF Brass Elbow Water Meter Valve, 3/4" PEX x 1" NPSM	WS4820751	0.945	2.249	1.551	2.992	0.781	1.9	1.299	0.65	3.277	5.735
	ProPEX LF Brass Elbow Water Meter Valve, 1" PEX x 1 1/4" NPSM	WS4821001	1.181	2.625	2.015	3.819	0.827	2.25	1.614	0.807	4.022	7.119

	Part name	Part no.	K [inch]	Cv	End Type 1	End Type 2	Operating temperature min. [°F]	Weight per UOM [lbs/UOM]
	ProPEX LF Brass Straight Water Meter Valve, 3/4" PEX x 1" NPSM	WS4820750	0.65	10.9	ProPEX 3/4"	NPSM 1"	-29	0.76
	ProPEX LF Brass Straight Water Meter Valve, 1" PEX x 1 1/4" NPSM	WS4821000	0.807	18.7	ProPEX 1"	NPSM 1-1/4"	-29	1.22
✔	ProPEX LF Brass Elbow Water Meter Valve, 3/4" PEX x 1" NPSM	WS4820751	0.65	4.9	ProPEX 3/4"	NPSM 1"	-29	0.76
	ProPEX LF Brass Elbow Water Meter Valve, 1" PEX x 1 1/4" NPSM	WS4821001	0.807	9.7	ProPEX 1"	NPSM 1-1/4"	-	1.24

Part name	Part no.	Codes	Standards	Listings
ProPEX lead-free (LF) brass water meter valves	All	UPC|IBC|IRC|IPC|NPC of Canada|UMC|NSPC|IMC	ASTM F877|NSF/ANSI/CAN 372|NSF/ANSI 359|ASTM F1960|CSA B137.5|NSF/ANSI/CAN 61|NSF/ANSI 14	HUD MR 1269|cNSFus-pw-G|U.P.Code
In addition, the following parts have additional codes, standards, or listings:				
ProPEX LF Brass Straight Water Meter Valve, 1" PEX x 1 1/4" NPSM	WS4821000			
ProPEX LF Brass Elbow Water Meter Valve, 1" PEX x 1 1/4" NPSM	WS4821001			

Installation

ProPEX tool and ProPEX rings (sold separately) are required for connecting the PEX tubing. For more information, refer to the Uponor Residential Plumbing Systems Installation Guide or the Uponor Piping Systems Installation Guide.

Related applications

PEX-a Plumbing Systems

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Footnotes	Contact information	
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