

Application

Ideal for use where Lead-Free* valves are required. The Wilkins Model ZW1017XL Aqua-Gard® Tempering Mixing Valve, when installed at the hot water source, is designed to mix hot and cold water in order to reduce the temperature of the hot water in the distribution system to 122°F(50°C) or less. The ZW1017XL's superior accuracy ensures safe water temperature from minimum to maximum flow rate. Further, multiple end configurations make this valve suitable for all residential and most light commercial installations.

WARNING: This device should never be installed at the point of use where the end user could change its setting. Point of use device must be of the ASSE 1070 variety. It is recommended that the ZW1017XL be installed with a shut-off valve and thermometer in the tempered water line to provide accurate and safe water mixing temperatures, to be used in conjunction with ASSE 1070 device.



ZW1017XL

Materials

Body	Low Lead Cast Bronze ASTM B584
Guide Tube and Checks	NORYL™ GFN2
Internal brass	Low Lead Brass ASTM B927 UNS C27450
Piston	Polysulfone
Seals	Nitrile Elastomer
Spring and Screen	300 Series Stainless Steel

Options (Suffixes can be combined)

PF	With Z-Bite™ push fit tailpiece connections (1/2" - 3/4" only)
PR	With Z-Press™ press fit tailpiece connections (3/4" only)



Standards Compliance

- ASSE® Listed 1017
- cUPC® Listed
- CSA® Certified B125.3
- Meets the requirements of NSF/ANSI/CAN 61 and 372*

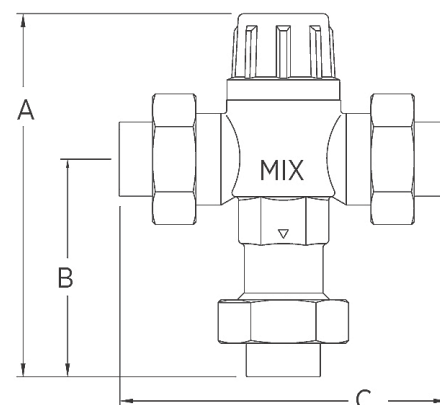
*(0.25% MAX. WEIGHTED AVERAGE LEAD CONTENT)

Features

Sizes	3/8", 1/2", 3/4", 1"
Outlet Temp. Range	95-131°F(35-55°C)
Temperature Hot Supply	120-195°F max. (49-90.5°C)
Temperature Cold Supply	40-75°F(4.4-23.8°C)
Set Temperature Accuracy	+/- 4°F(2°C)
Approach Temperature	20°F(11.1°C) min. between hot supply and outlet setting
Max. Working Pressure (inlet)	145 psi
Flow rate @ 45 psi pressure loss	18 gpm
Min. Flow Rate	0.5 gpm
CPVC tailpiece - Max. Hot water Temp.	180°F (82.2°C) @ 100 psi
CPVC tailpiece - Cold water rated Temp.	73.4°F(23°C) @ 400 psi
Max. Pressure Differential Between Hot & Cold Inlets	15 psi

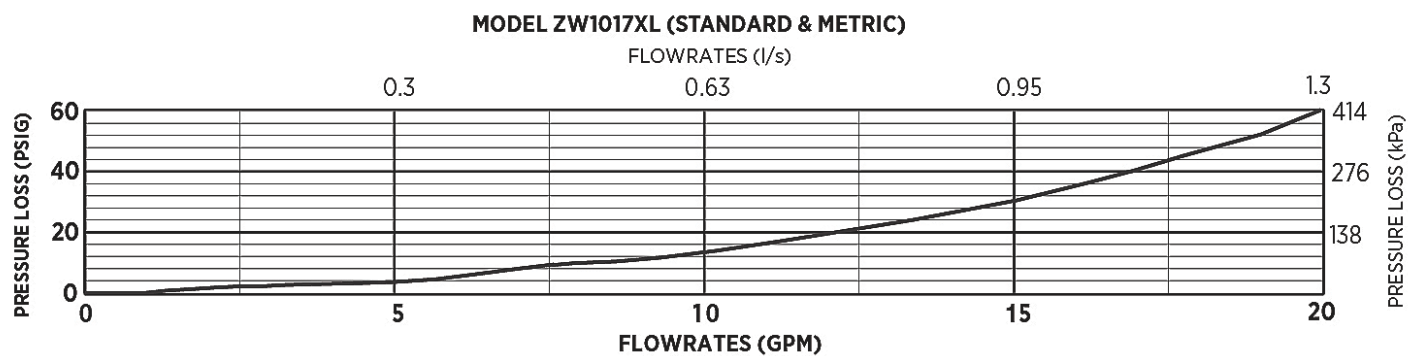
Dimensions & Weights (do not include pkg.)

MODEL	INLET & OUTLET	DIMENSIONS (approximate)						WEIGHT	
		A		B		C			
		in.	mm	in.	mm	in.	mm	lbs.	kg
38-ZW1017XLCOMP	3/8" Compression	5 11/16	145	3 5/8	92	5 13/16	148	2	1
12-ZW1017XL	1/2" FNPT	5 7/16	138	3 3/8	86	5 1/4	133	2	1
12-ZW1017XLC	1/2" CU Sweat								
12-ZW1017XLCPVC	1/2" CPVC	5 7/8	149	3 13/16	97	6 3/16	157	2	1
12-ZW1017XLPEX	1/2" Barb	5 9/16	141	3 1/2	89	5 9/16	141	2	1
12-ZW1017XLPEXF1960	1/2" Barb	5 3/8	137	3 5/16	85	5 1/4	133	2	1
34-ZW1017XL	3/4" FNPT	5 1/2	140	3 1/2	89	5 7/16	138	2	1
34-ZW1017XLC	3/4" CU Sweat								
34-ZW1017XLCPVC	3/4" CPVC	5 7/16	138	3 3/8	86	5 5/16	135	2	1
34-ZW1017XLPEX	3/4" Barb	5 9/16	141	3 1/2	89	5 9/16	141	2	1
34-ZW1017XLPEXF1960	3/4" Barb	5 3/4	146	3 11/16	94	5 11/16	151	2	1
34-ZW1017XLM	3/4" MNPT	6 1/4	159	4 1/4	108	7	178	2	1
1-ZW1017XLC	1" CU Sweat	5 1/2	140	3 7/16	87	5 3/16	132	2	1

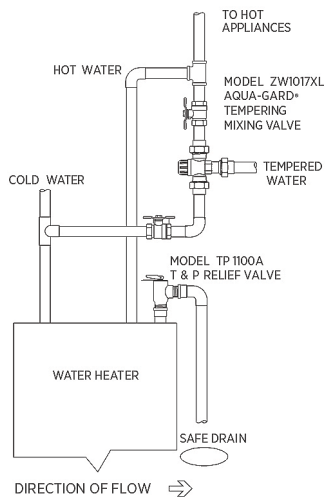


Design and dimensional data (inches and [mm]) are subject to manufacturing tolerances and change without notice.

Flow Characteristic



Domestic Water Heater Application



[Installation and Maintenance Instructions - Model ZW1017XL](#)

[Recirculation System Instructions ZW1017XL](#)