

WILKINS® Model ZW1017XL

Aqua-Gard® Tempering Mixing Valve

Application

Ideal for use where Lead-Free* valves are required. The Zurn 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.

Standards Compliance

- ASSE® Listed 1017
- cUPC® Listed
- CSA® Certified B125.3
- Meets the requirements of NSF/ANSI/CAN 61-9*
*(0.25% MAX. WEIGHTED AVERAGE LEAD CONTENT)

Materials

Body	Low Lead Cast Bronze, ASTM B 584
Internal brass	Low Lead Brass, ASTM B 927, UNS C27450
Piston	Polysufone
Guide Tube & Checks	Noryl GFN2
Spring & Screen	300 Series Stainless Steel
Seals	Nitrile Elastomer



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
Max. Pressure Differential is 15 psi between Hot & Cold inlets	
Flow rate @ 45 psi pressure loss	18 gpm
Min. Flow Rate	0.5 gpm
CPVC tailpiece	- Maximum Hot water Temperature of 180°F @ 100 psi. - Cold water rated temperature of 73.4°F @ 400 psi.

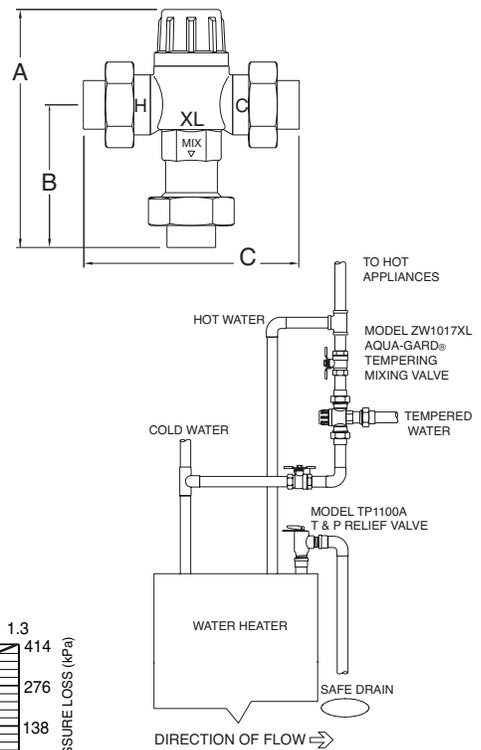
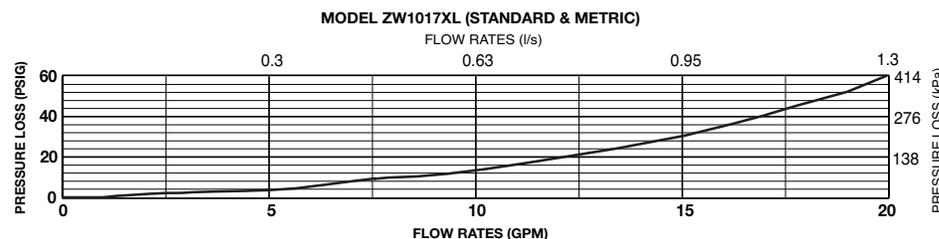
Options

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

Dimensions & Weights (do not include pkg.)

MODEL	INLET & OUTLET	DIMENSIONS (approximate)						WEIGHT	
		A		B		C		lbs.	kg
		in.	mm	in.	mm	in.	mm		
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

Flow Characteristic



Domestic Water Heater Application