

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 1016 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 1016 device.

Standards Compliance

- ASSE® Listed 1017
- CSA® Certified
- NSF® Listed-Standard 61, Section 9, Annex G

LEAD PLUMBING LAW COMPLIANCE

*(0.25% MAX. WEIGHTED AVERAGE LEAD CONTENT)

- Lead Plumbing Law Certified by IAPMO R&T
- Annex G Certified by NSF International

Materials

Body	Bronze JIS H5120 CAC902
Internal brass	Brass, ASTM B 927, UNS C27450
Piston	Polysufone
Guide Tube & Checks	Noryl GFN2
Spring & Screen	300 Series Stainless Steel
Seals	Nitrile Elastomer



Certified to NSF/ANSI 61 Section 9-G

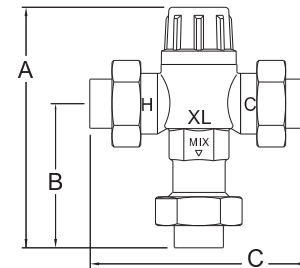
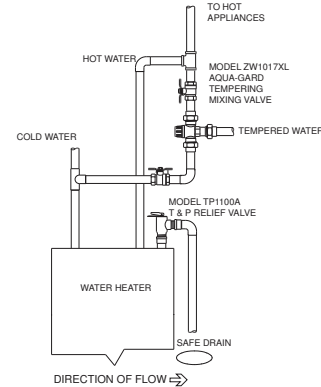
Features

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)
Max. Working Pressure (inlet)	145 psi
Factory Set	118°F(47.8°C)
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.	

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
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-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

DOMESTIC WATER HEATER APPLICATION



Flow Characteristic

MODEL ZW1017XL (STANDARD & METRIC)

