

Model ZW1070XL

Aqua-Gard Thermostatic Mixing Valve

Application

Ideal for use where Lead-Free* valves are required. The Wilkins Model ZW1070XL Aqua-Gard Thermostatic mixing valve is designed to be installed at the point of use to assist in the prevention of scalding. The valve's extremely rapid response rate make it most suitable for installation at plumbing fixtures and appliances for the final control of water temperature. The ZW1070XL is ASSE 1070 listed for fixtures, sinks, lavatories or bathtubs and will mix hot and cold water from the distribution system to a final safer temperature of 95-115°F (35-46°C). Multiple end configurations make this valve suitable for all residential and commercial installations.

Standards Compliance

- ASSE® Listed 1070
- 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	Polysulfone
Guide Tube	Noryl GFN2
Spring & Screen	300 Series Stainless Steel
Seals	Viton
Checks	Noryl GFN2



Certified to NSF/ANSI 61
Section 9-G



Features

Sizes: 3/8", 1/2", 3/4", 1"

Outlet Temp. Range

Temperature Hot Supply

95-115°F(35-46°C)

120-195°F max.

(49-90.5°C)

Temperature Cold Supply

40-75°F (4.4-23.8°C)

Set Temperature Accuracy

+/- 3°F(1.78°C)

Max. Working Pressure (inlet)

145 psi

Temperature must be field set

Max. Pressure Differential is 15 psi between Hot & Cold inlets

Flow rate @ 45 psi pressure loss 10 gpm

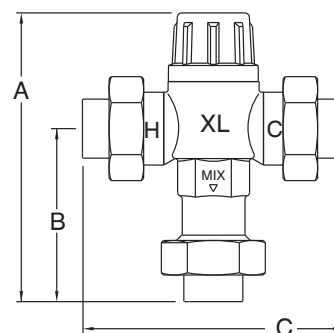
Min. Flow Rate 0.5 gpm

CPVC tailpiece - Maximum Hot water Temperature of 180°F @ 100 psi.

- Cold water rated Temperature of 73.4°F @ 400 psi.

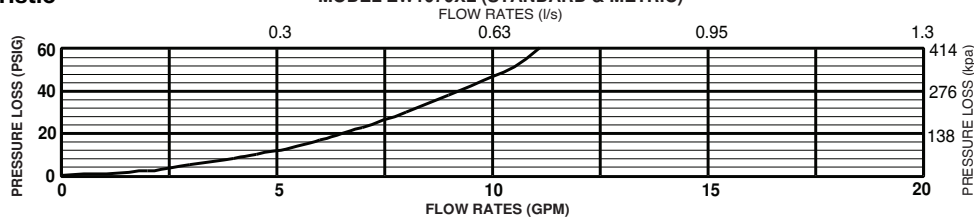
Dimensions & Weights (do not include pkg.)

MODEL	INLET & OUTLET	DIMENSIONS (approximate)						WEIGHT	
		A		B		C		lbs.	kg
38-ZW1070XLCOMP	3/8" Compression	5 11/16	145	3 5/8	92	5 13/16	148	2	1
12-ZW1070XL	1/2" FNPT	5 7/16	138	3 3/8	86	5 1/4	133	2	1
12-ZW1070XLC	1/2" CU Sweat	5 7/8	149	3 13/16	97	6 3/16	157	2	1
12-ZW1070XLC	1/2" CPVC	5 7/8	149	3 13/16	97	6 3/16	157	2	1
12-ZW1070XLPVC	1/2" Barb	5 9/16	141	3 1/2	89	5 9/16	141	2	1
34-ZW1070XL	3/4" FNPT	5 1/2	140	3 1/2	89	5 7/16	138	2	1
34-ZW1070XLC	3/4" CU Sweat	5 7/16	138	3 3/8	86	5 5/16	135	2	1
34-ZW1070XLC	3/4" CPVC	5 7/16	138	3 3/8	86	5 5/16	135	2	1
34-ZW1070XLPVC	3/4" Barb	5 9/16	141	3 1/2	89	5 9/16	141	2	1
34-ZW1070XLM	3/4" MNPT	6 1/4	159	4 1/4	108	7	178	2	1
1-ZW1070XLC	1" CU Sweat	5 1/2	140	3 7/16	87	5 3/16	132	2	1

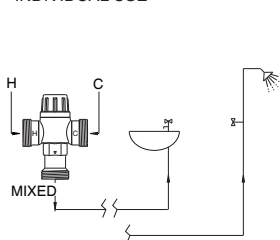


Flow Characteristic

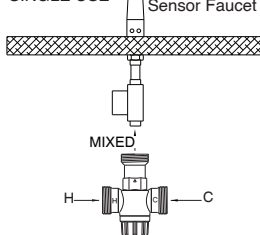
MODEL ZW1070XL (STANDARD & METRIC)



INDIVIDUAL USE



SINGLE USE



Piping Instructions

The device is designed to be installed at a single outlet. It may be used to supply individual outlets when there is sufficient supply pressure. It is suggested to use ball valves on the hot and cold inlet supplies.