

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 makes 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
- cUPC® Listed
- CSA® Certified B125.70
- Meets the requirements of NSF/ANSI/CAN 61-9 Q≤1*

*(0.25% MAX. WEIGHTED AVERAGE LEAD CONTENT)

Features

Sizes	3/8", 1/2", 3/4", 1"
Outlet Temp. Range	95-115°F max (35-46°C)
Temperature Hot Supply	120-195°F max. (49-90.5°C)
Temperature Cold Supply	39°F-80°F(3.8-26.6°C)
Set Temperature Accuracy	+/- 3°F(1.78°C)
Max. Working Pressure (inlet)	125 psi
Temperature must be field set	
Flow rate @ 45 psi pressure loss	10 gpm
Min. Flow Rate	0.25 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

Materials

Body	Low Lead Cast Bronze ASTM B584 w/Chrome Plating ASTM B456 Service Condition #2
Checks	NORYL™ GFN2
Guide Tube	NORYL™ GFN2
Internal brass	Low Lead Brass ASTM B927 UNS C27450
Piston	Polysulfone
Seals	Viton
Spring and Screen	300 Series Stainless Steel

Options (Suffixes can be combined)

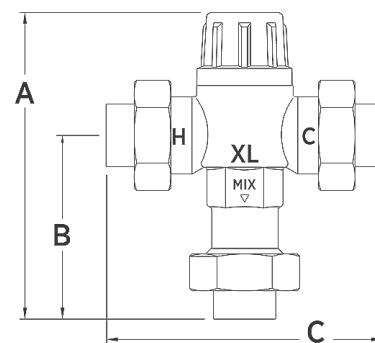
- PF** With Z-Bite™ push fit tailpiece connections (1/2" - 3/4" only)
- PR** With Z-Press™ press fit tailpiece connections (3/4" only)



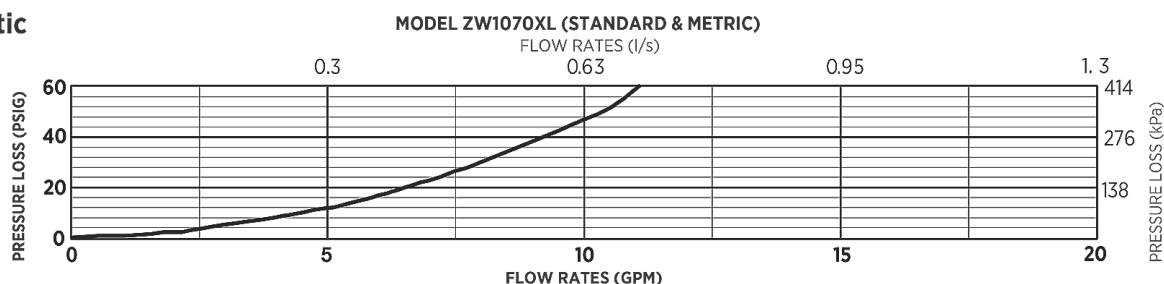
1/2" ZW1070XLC

Dimensions & Weights (do not include pkg.)

MODEL	INLET & OUTLET	DIMENSIONS (approximate)						WEIGHT	
		A		B		C			
		in.	mm	in.	mm	in.	mm	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								
12-ZW1070XLCPVC	1/2" CPVC	5 7/8	149	3 13/16	97	6 3/16	157	2	1
12-ZW1070XLPEx	1/2" Barb	5 9/16	141	3 1/2	89	5 9/16	141	2	1
12-ZW1070XLPExF1960	1/2" Barb	5 3/8	137	3 5/16	85	5 1/4	133	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								
34-ZW1070XLCPVC	3/4" CPVC	5 7/16	138	3 3/8	86	5 5/16	135	2	1
34-ZW1070XLPEx	3/4" Barb	5 9/16	141	3 1/2	89	5 9/16	141	2	1
34-ZW1070XLPExF1960	3/4" Barb	5 3/4	146	3 11/16	94	5 11/16	151	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

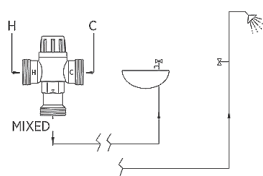


Flow Characteristic

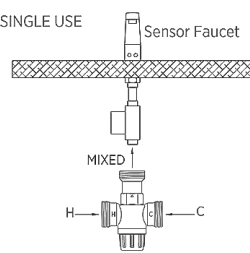


Design and dimensional data (inches and [mm]) are subject to manufacturing tolerances and change without notice.

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.

[Installation and Maintenance Instructions - Model ZW1070XL](#)