

SPECIFICATION SUBMITTAL SHEET



FEATURES

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

Outlet Temp. Range 95-115°F (35-46°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 +/- 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.

APPLICATION

Ideal for use where lead free valves are required. The Wilkins Model ZW1070 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 ZW1070 is ASSE 1070 listed for fixtures, sinks, lavatories or bathtubs. The ZW1070 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

MATERIALS

Body Bronze ASTM B 584
UNS C84400 w/chrome plating

Internal brass

Piston Polysufone

Guide Tube Noryl GFN2

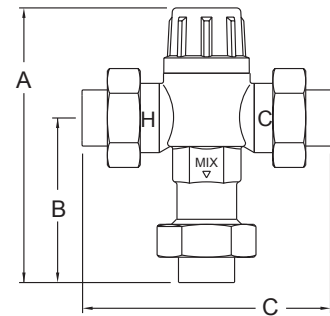
Spring & Screen 300 Series Stainless Steel

Seals Viton

Checks Noryl GFN2

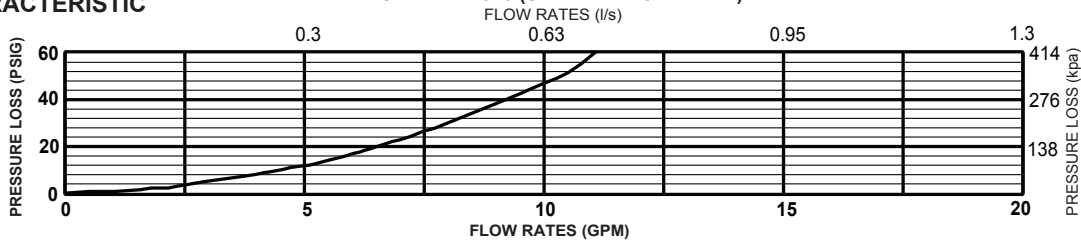
DIMENSIONS & WEIGHTS (do not include pkg.)

MODEL	INLET & OUTLET	DIMENSIONS (approximate)						WEIGHT	
		A		B		C		lbs.	kg
		in.	mm	in.	mm	in.	mm		
38-ZW1070COMP	3/8" Compression	5 11/16	145	3 5/8	92	5 13/16	148	2	1
12-ZW1070	1/2" FNPT	5 7/16	138	3 3/8	86	5 1/4	133	2	1
12-ZW1070C	1/2" CU Sweat								
12-ZW1070CPVC	1/2" CPVC	5 7/8	149	3 13/16	97	6 3/16	157	2	1
12-ZW1070PEX	1/2" Barb	5 9/16	141	3 1/2	89	5 9/16	141	2	1
34-ZW1070	3/4" FNPT	5 1/2	140	3 1/2	89	5 7/16	138	2	1
34-ZW1070C	3/4" CU Sweat								
34-ZW1070CPVC	3/4" CPVC	5 7/16	138	3 3/8	86	5 5/16	135	2	1
34-ZW1070PEX	3/4" Barb	5 9/16	141	3 1/2	89	5 9/16	141	2	1
34-ZW1070M	3/4" MNPT	6 1/4	159	4 1/4	108	7	178	2	1
1-ZW1070C	1" CU Sweat	5 1/2	140	3 7/16	87	5 3/16	132	2	1

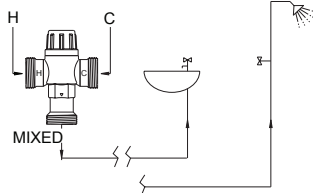


FLOW CHARACTERISTIC

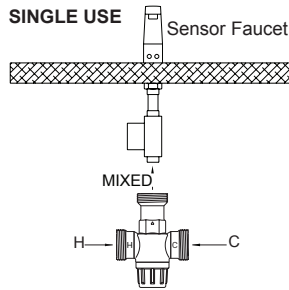
MODEL ZW1070 (STANDARD & METRIC)



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.