

Model ZW1017HT

Aqua-Gard Tempering Mixing Valve

SPECIFICATION SUBMITTAL SHEET



FEATURES

Sizes: □ 3/8" □1/2" □ 3/4" □ 1"

Outlet Temp. Range 80-165°F(26.7-73.8°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.

APPLICATION

The Wilkins Model ZW1017HT higher temperature range Aqua-Gard Tempering Mixing Valve, when installed at the hot water source, is designed for radiant heating systems only and not for potable water use. The ZW1017HT is designed to mix the hot and cold water to establish a mixed temperature range of 80°F to 165°F. WARNING: This device should never be installed at the point of use where the end user could change its setting. It is recommended that the ZW1017HT be installed with shut-off valve and thermometer in the tempered water line to provide accurate and safe water mixing temperature.

STANDARDS COMPLIANCE

ASSE® Listed 1017

MATERIALS

Body Bronze ASTM B 584 UNS C83600

Internal brass DZR Brass Piston Polysufone Guide Tube & Checks Noryl GFN2

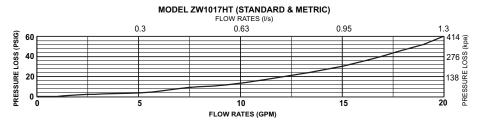
Spring & Screen 300 Series Stainless Steel

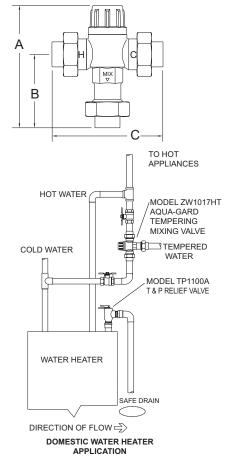
Seals Nitrile Elastomer

DIMENSIONS & WEIGHTS (do not include pkg.)

MODEL	INLET & OUTLET	DIMENSIONS (approximate)						WEIGHT	
		Α		В		С		WEIGHT	
		in.	mm	in.	mm	in.	mm	lbs.	kg
38-ZW1017HTCOMP	3/8" Compression	5 11/16	145	3 5/8	92	5 13/16	148	2	1
12-ZW1017HT	1/2" FNPT	5 7/16	138	3 3/8	86	5 1/4	133	2	1
12-ZW1017HTC	1/2" CU Sweat								
12-ZW1017HTCPVC	1/2" CPVC	5 7/8	149	3 13/16	97	6 3/16	157	2	1
12-ZW1017HTPEX	1/2" Barb	5 9/16	141	3 1/2	89	5 9/16	141	2	1
34-ZW1017HT	3/4" FNPT	5 1/2	140	3 1/2	89	5 7/16	138	2	1
34-ZW1017HTC	3/4" CU Sweat								
34-ZW1017HTCPVC	3/4" CPVC	5 7/16	138	3 3/8	86	5 5/16	135	2	1
34-ZW1017HTPEX	3/4" Barb	5 9/16	141	3 1/2	89	5 9/16	141	2	1
34-ZW1017HTM	3/4" MNPT	6 1/4	159	4 1/4	108	7	178	2	1
1-ZW1017HTC	1" CU Sweat	5 1/2	140	3 7/16	87	5 3/16	132	2	1

FLOW CHARACTERISTIC





DOCUMENT #: TMV-ZW1017HT REVISION: 9/12