

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	
		A		B		C			
		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

MODEL ZW1017HT (STANDARD & METRIC)

