# WILKIN a **ZURN**® company

# Model ZW1017 Aqua-Gard Tempering Mixing Valve SPECIFICATION SUBMITTAL



## **FEATURES**

Factory Set

Sizes: 3/8" □1/2" Outlet Temp. Range Temperature Hot Supply

Temperature Cold Supply

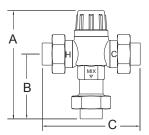
Set Temperature Accuracy

Max. Working Pressure (inlet)

□ 3/4" □ 1" 95-131°F(35-55°C) 120-195°F max. (49-90.5°C) 40-75°F(4.4-23.8°C) +/- 4°F(2°C) 145 psi 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.



# DIMENSIONS & WEIGHTS (do not include pkg.)

MODEL	INLET & OUT- LET	DIMENSIONS (approximate)						WEIGHT	
		A		В		C		WEIGHT	
		in.	mm	in.	mm	in.	mm	lbs.	kg
38-ZW1017COMP	3/8" Compression	5 11/16	145	3 5/8	92	5 13/16	148	2	1
12-ZW1017	1/2" FNPT	5 7/16	138	3 3/8	86	5 1/4	133	2	1
12-ZW1017C	1/2" CU Sweat								
12-ZW1017CPVC	1/2" CPVC	5 7/8	149	3 13/16	97	6 3/16	157	2	1
12-ZW1017PEX	1/2" Barb	5 9/16	141	3 1/2	89	5 9/16	141	2	1
34-ZW1017	3/4" FNPT	5 1/2	140	3 1/2	89	5 7/16	138	2	1
34-ZW1017C	3/4" CU Sweat								
34-ZW1017CPVC	3/4" CPVC	5 7/16	138	3 3/8	86	5 5/16	135	2	1
34-ZW1017PEX	3/4" Barb	5 9/16	141	3 1/2	89	5 9/16	141	2	1
34-ZW1017M	3/4" MNPT	6 1/4	159	4 1/4	108	7	178	2	1
1-ZW1017C	1" CU Sweat	5 1/2	140	3 7/16	87	5 3/16	132	2	1

### **APPLICATION**

The Wilkins Model ZW1017 Aqua-Gard Tempering Mixing Valve, when installed at the hot water source, is designed to mix hot and cold water in order to reduce the temperature of the hot water in the distribution system to 122°F(50°C) or less. The ZW1017's superior accuracy ensures safe water temperature from minimum to maximum flow rate. Further, multiple end configurations make this valve suitable for all residential and most light commercial installations.

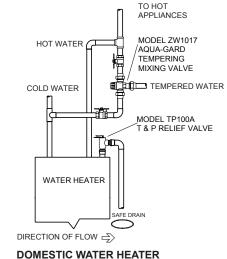
WARNING: This device should never be installed at the point of use where the end user could change its setting. Point of use device must be of the ASSE 1016 variety. It is recommended that the ZW1017 be installed with a shutt-off valve and thermometer in the tempered water line to provide accurate and safe water mixing temperatures, to be used in conjunction with ASSE 1016 device.

#### **APPROVALS**

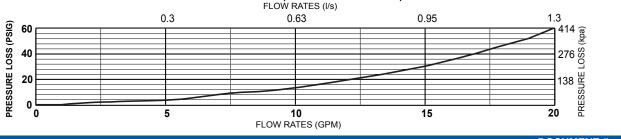
- ASSE® Listed 1017
- CSA® Certified

#### 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



**APPLICATION** 



**FLOW CHARACTERISTIC** 

MODEL ZW1017 (STANDARD & METRIC)

**DOCUMENT #: REVISION: TMV-ZW1017** 3/11

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