

# Model ZW3870XLT

## Aqua-Gard® Thermostatic Mixing Valve

### Application

Ideal for use where Lead Free\* valves are required. The Zurn Wilkins Model ZW3870XLT Aqua-Gard® Thermostatic mixing valve is designed to be installed at the point of use under sinks and sensor faucets to assist in the prevention of scalding. The valves rapid response and precise temperature control meet the stringent standards of ASSE 1070 listed for fixtures, sinks, lavatories or bathtubs. The ZW3870XLT will mix hot and cold water from the distribution system to a final safer temperature outlet range of 95-115°F (35-46°C). The 3/8" compression fittings make this valve ideal for residential and commercial applications.

### Standards Compliance

- ASSE® Listed 1070
- CSA® Certified
- Certified to NSF/ANSI 372\* by IAPMO R&T
- NSF® Listed-Standard 61, Section 9, Annex G\* (0.25% MAX. WEIGHTED AVERAGE LEAD CONTENT)

### Features

Sizes: 3/8"

Nickel Plated

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 3.10 gpm

Min. Flow Rate 0.35 gpm

Integral check valves and strainer screen on hot and cold supply

ZW3870XLT 3 PORT (1 Hot in, 1 Cold in, 1 Mixed out)

ZW3870XLT-4P 4 PORT (1 Hot in, 1 Cold in, 1 Cold out, 1 Mixed out.)



Certified to NSF/ANSI 61 Section 9-G

### Materials

Body

Low Lead Cast Bronze ASTM B 584 w/Nickel Plating

ASTM B 456 Service Condition #2

Low Lead Brass, ASTM B 927

UNS C27450

Internal brass

Piston

Polysufone

Guide Tube

Noryl GFN2

Spring

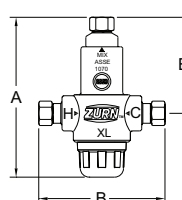
300 Series Stainless Steel

Seals

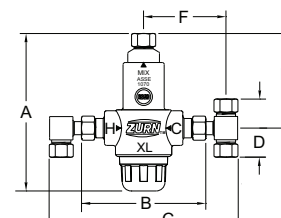
Viton

Checks

Acetal Co-Polymer



ZW3870XLT



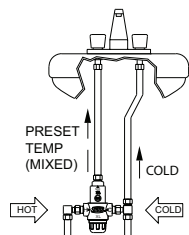
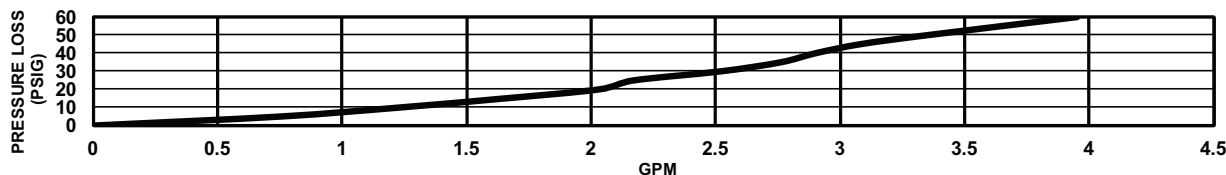
ZW3870XLT-4P

### Dimensions & Weights (do not include pkg.)

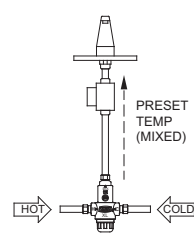
SIZE		MODEL	DIMENSIONS (approximate)												WEIGHT	
			A		B		C		D		E		F			
in.	mm		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kg.
3/8	9.5	ZW3870XLT	4 27/32	123	4 3/16	106.3	5 55/64	149	2 1/32	52	2 27/32	72.2	2 1/2	64	1.2	.6

### Flow Characteristic

#### MODEL ZW3870XLT



INDIVIDUAL  
USE  
ZW3870XLT-4P



SINGLE  
USE  
ZW3870XLT

### 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.