



# Model ZW3870XLTF

## Aqua-Gard® Thermostatic Mixing Valve w/ Thermal Flush Mode

### Application

The Zurn Wilkins Model ZW3870XLTF 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 rapid response and precise temperature control meet the stringent standard of ASSE 1070 for fixtures, sinks, lavatories or bathtubs. The ZW3870XLTF will mix hot and cold water from the distribution system to a final safer temperature outlet range of 95-115F (35-46C). The 3/8" compression fittings make this valve ideal for residential and commercial applications. The valve features a special thermal flush mode to allow maintenance personnel, using a special tool, to temporarily override the anti-scald function of the valve and flush the downstream system with high-temperature water for disinfection purposes. With a minimum flow rating of 0.06 GPM the valve will provide proper scald protection when used in conjunction with ultra low flow faucet aerators.

### Standards Compliance

- ASSE® Listed 1070
- cUPC® Listed
- CSA® Certified B125.70
- Meets the requirements of NSF/ANSI/CAN 61-9 Q<sub>s1</sub>\* (0.25% MAX. WEIGHTED AVERAGE LEAD CONTENT)

### Features

Sizes:	3/8"
Chrome Plated	
Normal Mode Adjustable Outlet Range	95-115°F(35-46°C)
By-Pass Mode Outlet Range	120-195°F max. (49-90.5°C)
Temperature Hot Supply	120-195°F max. (49-90.5°C)
Temperature Cold Supply	39-80°F (4-27°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	0.06 gpm
Integral check valves and strainer screen on hot and cold supply	
Max. Working Pressure (Dynamic)	1.5-70 PSI



**Thermal Flush Mode Activated**

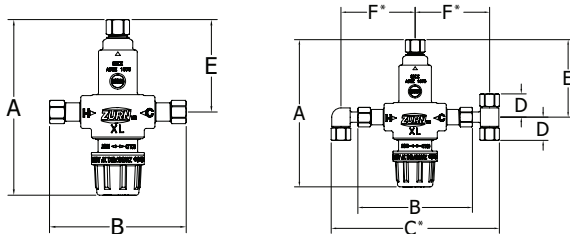
ZW3870XLTF 3 PORT (1 Hot in, 1 Cold in, 1 Mixed out)  
 ZW3870XLTF-4P 4 PORT (1 Hot in, 1 Cold in, 1 Cold out, 1 Mixed out.)

### Materials

Body	Low Lead Cast Bronze ASTM B 584 w/Chrome Plating
Internal brass	ASTM B 456 Service Condition #2
Piston	Polysufone
Guide Tube	Noryl GFN2
Spring	300 Series Stainless Steel
Seals	Viton
Checks	Acetal Co-Polymer

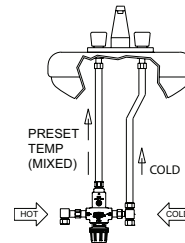
### Piping Instructions

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.

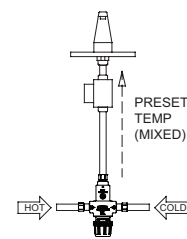


ZW3870XLTF

ZW3870XLTF-4P



INDIVIDUAL USE  
ZW3870XLTF-4P



SINGLE USE  
ZW3870XLTF

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

MODEL	SIZE		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.
ZW3870XLTF	3/8	9.5	5 1/2	140	4 3/16	106.3	5 55/64	149	2 1/32	52	2 27/32	72.2	2 1/2	64	1.5	.68

### Flow Characteristic

