



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 95-115F (35-46C). The 3/8" compression fittings make this valve ideal for residential and commercial applications. 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_s1*
- *(0.25% MAX. WEIGHTED AVERAGE LEAD CONTENT)

Features

Sizes: 3/8"
 Chrome 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 0.06 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.)



NSF/ANSI/CAN 61-9 Q_s1



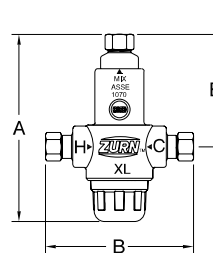
Materials

Body

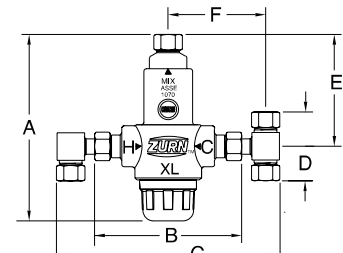
Low Lead Cast Bronze ASTM B 584
 w/Chrome Plating
 ASTM B 456 Service Condition #2
 Low Lead Brass, ASTM B 927
 UNS C27450
 Polysufone
 Noryl GFN2
 300 Series Stainless Steel
 Viton
 Acetal Co-Polymer

Internal brass

Piston
 Guide Tube
 Spring
 Seals
 Checks



ZW3870XLT



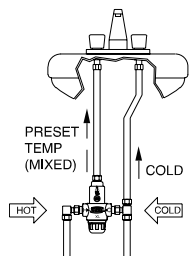
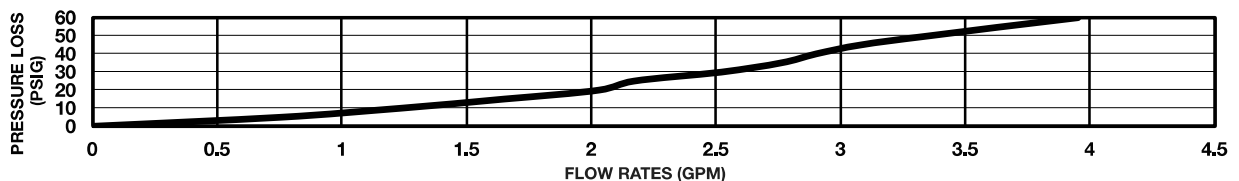
ZW3870XLT-4P

Dimensions & Weights (do not include pkg.)

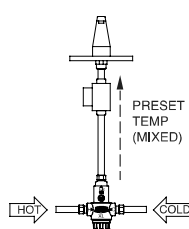
MODEL	SIZE		DIMENSIONS (approximate)												WEIGHT	
			A		B		C		D		E		F			
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kg.
ZW3870XLT	3/8	9.5	4 27/32	123	4 3/16	106.3	5 55/64	149	2 1/32	52	2 27/32	72.2	2 1/2	64	1.2	.6

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.