

MIXING VALVE 5000 SERIES



ASSE 1017 approved, the 5000 Series Mixing Valve delivers fail-safe security in a high flow, low headloss valve, and is available in 1/2", 3/4" and 1" connection sizes. With an extended mix temperature range of 85°-150°F, it provides the ultimate performance across multiple mixing and diverting applications.

ULTIMATE PERFORMANCE AND FAIL-SAFE SECURITY



FEATURES

- Fail-Safe on Hot or Cold Supply Failure
- Delivers Stable Mixed Water Temperature
- ASSE 1017 Certified
- High Flow
- Low Headloss
- Dual Purpose Mixing or Diverting Valve
- Extended Mix Temperature Range of 85°-150°F
- Ideal for Domestic Water and Radiant Applications
- Lockable Handle
- Available 1/2", 3/4", 1"

SPECIFICATIONS

PERFORMANCE:

CV*	1/2"	3.3
	3/4"	3.5
	1"	3.8
Max Flow	1/2" & 3/4"	10.6 gpm
	1"	22.5 gpm
Max Temperature	210°F (100°C)	
Max Design Pressure	200 psi (13.8 bar)	
Max Working Pressure	150 psi (10 bar)	
Min Working Pressure	1.5 psi (0.1 bar)	
Max Differential Pressure Between Hot & Cold	10:1	
Controlled Outlet Temp	85°-150°F (29°-66°C)	
Hot Water Inlet Temp	120°-210°F (49°-100°C)	
Cold Water Inlet Temp	39°-70°F (3.8°-21°C)	
Factory Temp Setting	130°F	
Maintains Constant Outlet Temperature to	±3.6°F (±2°C)	

*(Flow curves available from factory upon request.)

MATERIALS:

- Body: Cast Gunmetal, Nickel Plated
- Internal Components: DZR Brass
- Seals: Nitrile Elastomer
- Spring: Stainless Steel
- Piston: Polysulfone Polymer
- Fittings: DZR Brass, Copper (1")

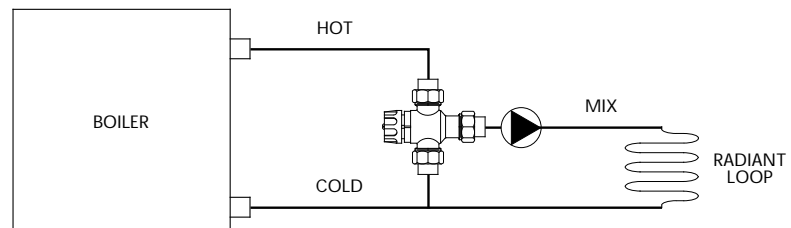
APPROVALS:

- ASSE 1017
- BS1415 Part 2
- WRc no. 9401013
- ISO 9001 Manufacturing Facility

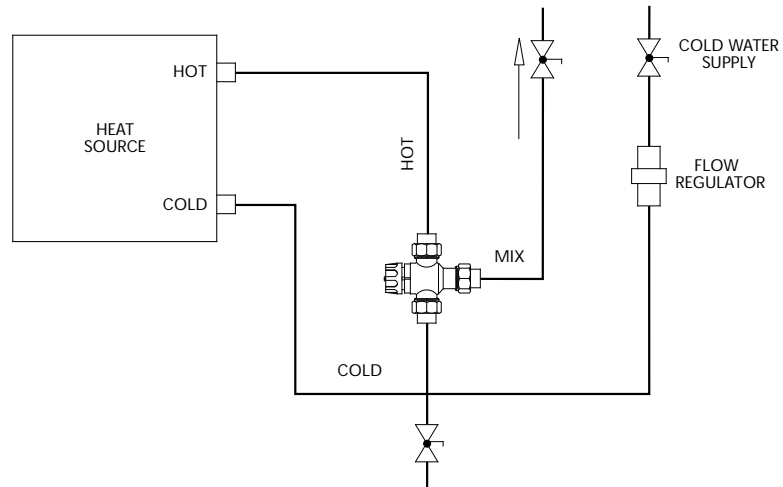
5000 SERIES MIXING VALVE

The 5000 Series Mixing Valve is a dual purpose mixing or diverting valve. It is ASSE 1017 approved, providing shut-off reliability on either a hot or cold water supply failure. The high flow and low headloss characteristics make the 5000 Series ideal for domestic water, radiant applications, installations with large variations in flow rate and supply conditions, and installations requiring tightly controlled water temperature. The valve's unique design and advanced thermostatic element ensures a stable mixed water temperature throughout the extended 85°-150°F range. The 5000 Series provides fail-safe security and the ultimate performance in a mixing valve.

LOW TEMPERATURE OR RADIANT INSTALLATION

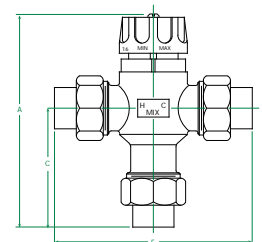


TYPICAL DOMESTIC WATER INSTALLATION



5000 SERIES MIXING VALVE DIMENSIONS

PRODUCT NUMBER	VALVE SIZE	A	C	E
5002-C1	1/2" (15 MM)	5.18 (131.5 MM)	2.68 (68 MM)	4.45 (113 MM)
5003-C1	3/4" (20 MM)	5.35 (136.0 MM)	2.85 (72.5 MM)	4.80 (122 MM)
5004-C1	1" (25 MM)	6.46 (164.0 MM)	3.96 (100.5 MM)	7.01 (178 MM)



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