

Instruction Manual

THERMOSTATIC MIXING VALVE

	Model: DN32 THERMOSTATIC MIXING VALVE WITHOUT CHECK VALVE
Ideal working pressure	0.1-0.5Mpa
Cold water inlet temp.	4-29 °C
Hot water inlet temp.	50-90 °C
Mixed water outlet temp.	35-45 °C customized
Flow rate (1 bar pressure drop)	66.67L/Min
Temp accuracy	±2°C
Body material	Stainless Steel Plated Nickel
Thread	G 1-1/4" Male Thread
Standard	QB2806-2006
Net weight	0.906 KGS
Gross weight	0.958 KGS

1. Technical Data

Model: DN32 Port size: G1-1/4"

- a. Working pressure:0.03-1Mpa
- b. Ideal working pressure:0.1-0.5Mpa
- c. Maximum working temperature:≤99 °C
- d. Flow rate(1 bar pressure drop): 4Cb.m./H (Same as 66.67L/Min)

Flow rate for pressure:

Pressure \ Model	0.05Mpa	0.075Mpa	0.1Mpa	0.125Mpa	0.15Mpa
DN15	0.5 m ³ /h	0.6 m ³ /h	0.7 m ³ /h	0.8 m ³ /h	0.9 m ³ /h
DN20	1.0 m ³ /h	1.3 m ³ /h	1.6 m ³ /h	1.8 m ³ /h	2.0 m ³ /h
DN25	1.8 m ³ /h	2.0 m ³ /h	2.3 m ³ /h	2.5 m ³ /h	2.7 m ³ /h
DN32	2.8 m ³ /h	3.0 m ³ /h	3.3 m ³ /h	3.5 m ³ /h	3.7 m ³ /h
DN40			8 m ³ /h		
DN50			13 m ³ /h		

Knob Temperature:

Position	Min	1	2	3	4	5	6	7	Max
Temperature(°C)	-	30	33	35	37	39	42	45	-

2. Materials of Construction

- a. Valve body: brass plated nickel
- b. Shutter: PPO
- c. Spring: Stainless steel
- d. Connection: Inlets-Male thread, Outlet-Male thread

3. Features:

- a. Fail-safe on Hot or Cold Supply Failure
- b. Delivers Stable Mixed Water Temperature
- c. Extended Mix Temperature Range: 35-45 C
- d. Idea for Domestic Water Application

4. Usage of TMVs

For wash hand basins, bidets, baths and showers in hospitals, schools, sport and leisure facilities, prisons and other public buildings.

5. Installation Precaution:

- a. All installations should be carried out by a Licensed Professional.
- b. Install in accordance with markings on valve body. i.e. hot water inlet-marked H, cold water inlet-marked C
- c. After temperature setting, if inlets temperature or pressure fluctuates, outlet temperature variation is within +/-2 C.
- d. The external check valves at inlets prevent cross-flow of hot&cold water when inlets pressure is not the same.

- e. If the ratio between two inlets is too large, one flow-limiting valve should be fixed at the side of higher pressure.
- f. Prior to installation, provisions should be made to flush the piping of any debris or other foreign materials to ensure proper system operation
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