



2-WAY AND 3-WAY MOTORIZED VALVES FOR STEAM, VACUUM AND HOT WATER APPLICATIONS

VALVE AND ACTUATOR FEATURES

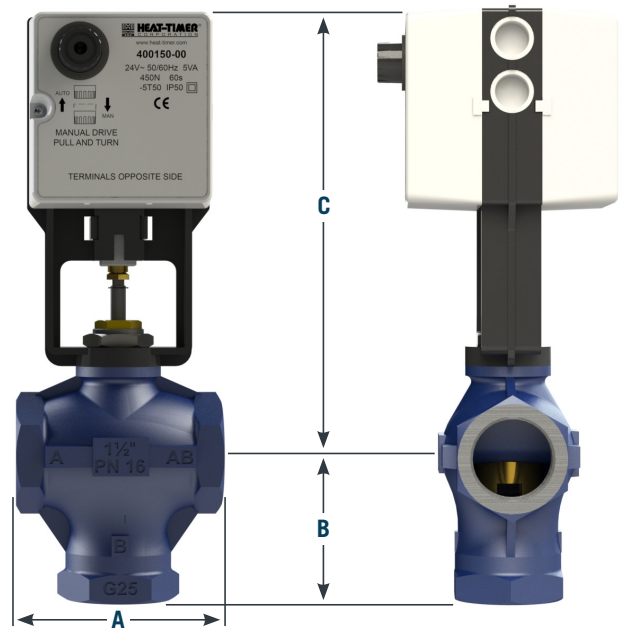
- Valve Sizes range from 3/4 inch to 2 inches
- 3-Way Valve Configuration—Converts To 2-Way Valve Configuration
- Complete Valve Assembly includes Valve Body, Actuator and 24V 40VA Transformer
- Can be mounted on horizontal or vertical piping
- Designed for Steam, Vacuum and Hot Water Applications
- 3 Types of Actuators available
 - 24V Floating
 - 0–10V Proportional
 - 24V Floating with Valve Position Feedback
- Maintenance Free Multi Stack Stem Packing provides Service Longevity
- Leakage is less than 0.03% of full flow per EN1349 Standard



3-WAY HOT WATER HEATING APPLICATION

Hot Water/Hydrionic Heating. In a 3-way valve configuration valves are used to mix heating water to a desired temperature. The hot water from the boiler is blended with the correct proportion of cooler water returning from the system to maintain the target temperature as the HWR MOV control resets the hot water temperature based on outside temperature.

The ability to reverse operation of the actuator allows the HOT supply and the COLD supply to be interchangeable, allowing additional flexibility in the installation of the valve.



VALVE SIZE	PART NUMBER	FLOW CV RATING	CLOSE OFF PRESSURE RATING	DIMENSIONS—INCHES			SHIPPING WEIGHT LBS	MOTOR SPEED APPROXIMATE MINUTES
				A	B	C		
¾"	928521-XX	7.3	38	3.3"	2.6"	9.3"	5.0	1
1"	928522-XX	11.6	25	3.7"	2.8"	9.5"	6.0	1
1 ¼"	928523-XX	18.5	16	4.2"	3.1"	9.7"	7.0	1
1 ½"	928524-XX	25.4	12	4.7"	3.3"	10.0"	8.5	1
2"	928525-XX	46.2	9	7.6"	3.8"	10.1"	13.5	1

NOTE: Replace **XX** as follows: **00** for 24V Floating Actuator, **CV** for 0-10V Proportional Actuator, **VAC** for 24V Floating Actuator with Valve Position Feedback.



SPECIFICATIONS

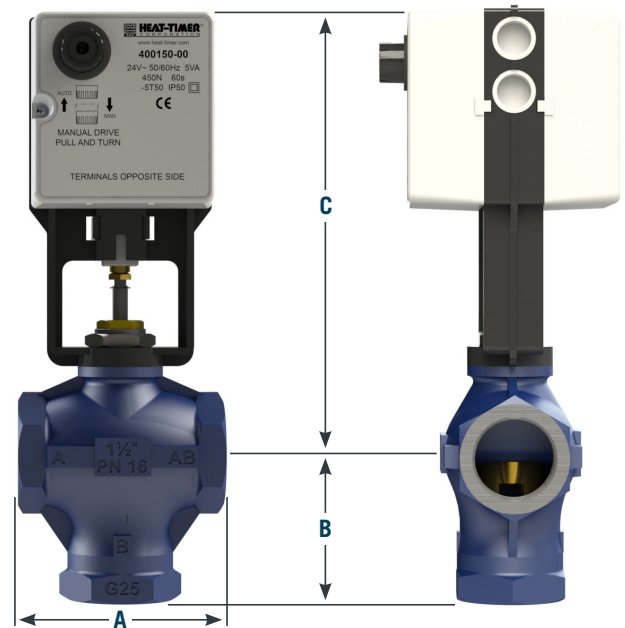
Valve Body Material _____ ANSI B16.1 Iron
 Valve Connection _____ NPT Threaded
 Temperature Rating _____ 14°F to 302°F (-10°C to 150°C)
 Stem/Plug Material _____ Stainless/Brass
 Seat Closure _____ Single Seated ANSI – Class IV Shutoff
 Packing Material _____ Long Life EDPM Rubber
 Packing Temp Rating _____ 302°F (150°C)
 Maximum Operating Pressure _____ 200 PSI @ 200°F | 165 PSI @ 302°F



2-WAY STEAM APPLICATION VALVES—CONVERTED VALVES

Low Pressure Steam Heating. The standard 3-way valves can be converted and used as a 2-way valve simply by adding a male plug into the bottom port. 2-way valves can turn on or off the flow of steam from the boiler or other sources into a steam distribution system under 15 PSI. A typical example of this type of application would be using steam to heat radiators in a one or two pipe steam heated building using the MPC Platinum,ESV,SPC,or MCF control.

Steam To Hot Water Heat Exchanger. 2-way valves can be used to control the amount of steam entering a system. A typical example of this type of application would be to regulate the amount of steam entering a heat exchanger to maintain the hot water output temperature using the HWR, ESV,SPC, or MCF Platinum control. When the load changes, the valve is signaled to change the amount of steam entering the heat exchanger.



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ACTUATOR SPECIFICATIONS

24V Actuator without Valve Position Feedback

Input Signal _____ 24Vac Floating
Power Consumption _____ 5VA
Operating Temperature _____ Ambient 5°F to 122°F (-15°C to 50°C)
Locations _____ NEMA type 2 / IP54 Indoor Only
User Interface _____ Manual Override Handle Status

24V Actuator with Valve Position Feedback

Input Signal _____ 24Vac Floating
Power Consumption _____ 5VA
Operating Temperature _____ Ambient 5°F to 122°F (-15°C to 50°C)
Locations _____ NEMA type 2 / IP54 Indoor Only
User Interface _____ Manual Override Handle Status
Valve Position Feedback Signal _____ 0 to 1000 Ohm

Proportional Actuator

Input Signal _____ 0–10V, 2–10V, 8–11V, 6–9V, 4–7V, 1–5V, 4–20mA
Power Consumption _____ 5VA
Operating Temperature _____ Ambient 5°F to 122°F (-15°C to 50°C)
Locations _____ NEMA type 2 / IP54 Indoor Only
User Interface _____ Manual Override Handle Status

