HEAT-TIMER® CORPORATION

2-WAY MOTORIZED VALVES FOR HIGH PRESSURE STEAM APPLICATIONS

VALVE AND ACTUATOR FEATURES

- Valve Sizes range from 1 inch to 5 inches.
- Complete Valve Assembly includes Valve Body, Actuator and 24V 40VA Transformer.
- ON/OFF Floating Signal Actuator - Standard.
- Proportional Signal Actuator - Optional.
- Leakage is less than 0.03% of full flow per EN1349 Standard.
- Designed for High Pressure Steam (175 psig max.) Applications.
- Maintenance Free Multi Stack Stem Packing provides Service Longevity.

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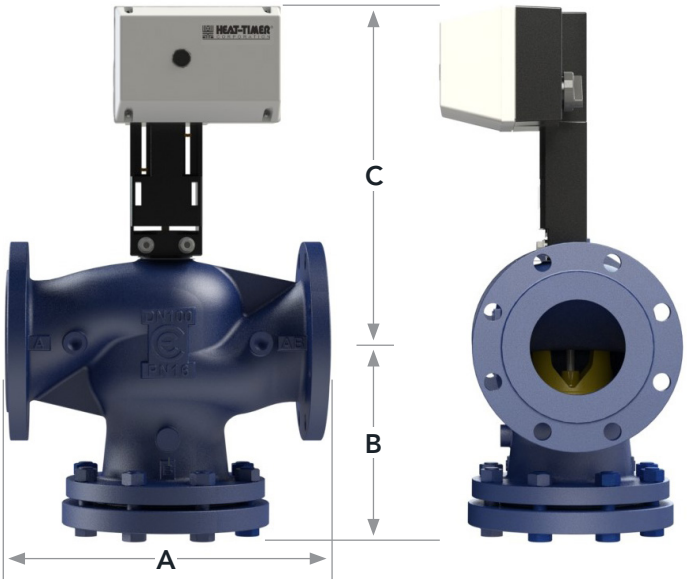
2-WAY STEAM APPLICATION VALVES

High Pressure Steam Heating. 2-way valves can turn on or off the flow of steam from the boiler or other sources into a steam distribution system with system pressures up to 175 PSI. A typical example of this type of application would be using steam for a processing application and controlling the valve using a Digi Span MCF control.

Steam To Hot Water Heat Exchanger. 2-way valves can be used to control the amount of steam used to heat a domestic hot water 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 Platinum control. When the load changes, the valve is signaled to change the amount of steam entering the heat exchanger.



2-Way High Pressure Valves - Steam

VALVE SIZE	HEAT-TIMER P/N	FLOW CV RATING	DIMENSIONS (INCHES)			SHIPPING WEIGHT (LBS)	MOTOR SPEED (MINUTES)
			A	B	C		
1	928801-00	12	6.4″	3.4″	15.2″	31	2
1 1/4″	928801-20	19	7.2″	4.0″	15.8″	42	2
1 1/2″	928801-50	29	8.0″	4.1″	16.8″	46	2
2″	928802-00	46	9.2″	4.2″	17.0″	53	2
2 1/2″	928802-50	73	10.8″	5.0″	17.6″	73	2
3″	928803-00	116	12.4″	6.0″	18.2″	103	2
4″	928804-00	186	14.0″	6.9″	17.4″	123	2
5″	928805-00	232	16.0″	8.4″	18.4″	189	2

VALVE SPECIFICATIONS

Valve Body Material	ANSI B16.1 Iron
Valve Connection	150 lb ANSI Flange
Temperature Rating	-4°F to 445°F (20°C to 230°C)
Stem/Plug Material	Stainless
Seat Closure	Class IV Shutoff
Packing Material	Teflon
Packing Temperature Rating	445°F (230°C)
Maximum Operating Pressure at 445°F	175 psi

ACTUATOR SPECIFICATIONS

Input Signal	24 VAC Floating
Power Consumption	12 VA
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

FLOATING ACTUATOR

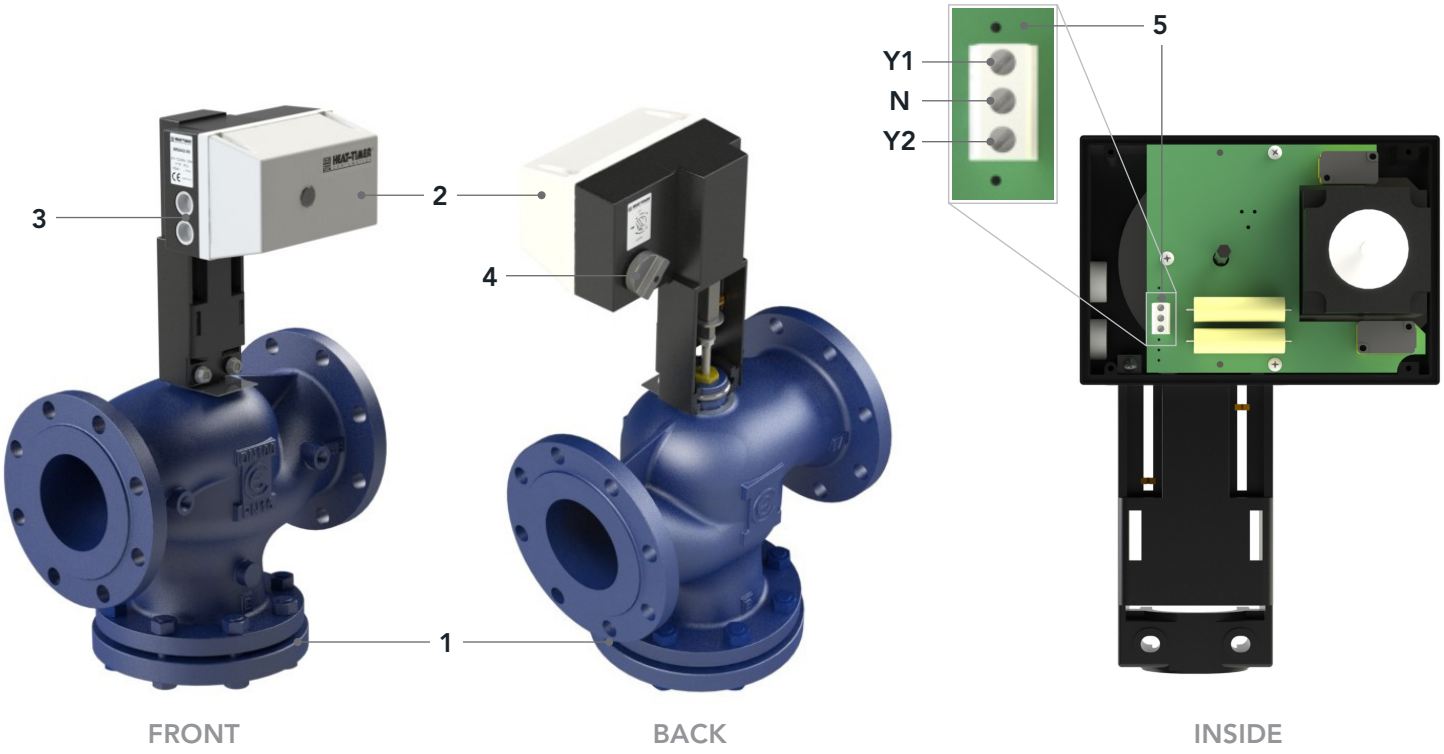


FIGURE 1

2-WAY MOTORIZED VALVES CONTROLS, INDICATORS, AND CONNECTIONS

ITEM	DESCRIPTION
1	Valve Body
2	Valve Actuator
3	Wiring Entry Fittings
4	Actuator Manual Adjustment Knob
5	Wiring Connections • Terminal Y1—Drives Valve Stem Up • Terminal N—24Vac Common • Terminal Y2—Drives Valve Stem Down