

Three-Way and Four-Way Radiant Motorized Valves

Radiant Motorized Valves



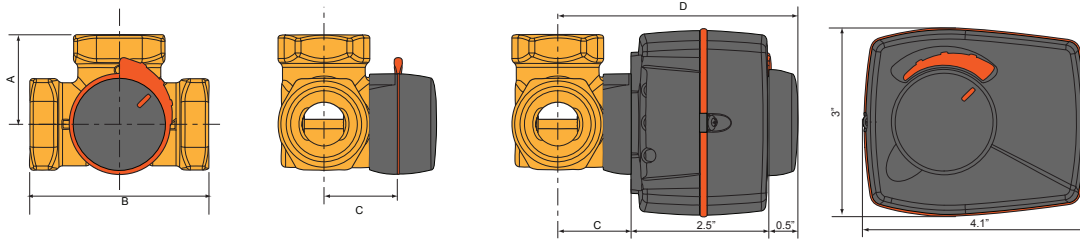
Three-Way Valve Description: Four-Way Valve Description:

The Heat-Timer three-way valve is designed to provide superior control characteristics and reliability in operation. The valve is primarily designed for use in commercial and residential hot water heating systems, controlling the temperature of a zone. The Heat-Timer Elite Series HWE-MOV or MCF will control the valve to provide an outdoor reset of the system water temperature or to hold the system water at a set point temperature. The Heat-Timer three-way valve performs equally well in mixing and diverting applications. Its rotary design allows for greater flexibility in field piping and layout.

The Heat-Timer four-way valve can be used in heating and cooling applications, using water or non-corrosive liquids as a medium. The valve has a double mixing function which can use the hot water supplied by the boiler and add it to the return water. The result is a higher boiler return water temperature than can be achieved with a normal three-way mixing valve, reducing the risk of damage caused by thermal shock to the boiler. The valve has a rotary design which allows for greater flexibility in field piping layouts.

Dimensions

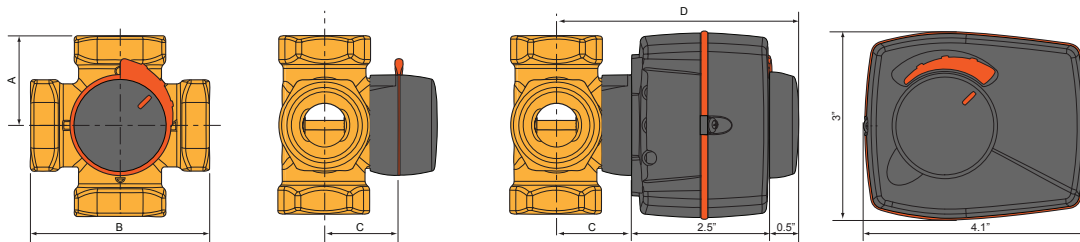
3-Way Valve Dimensions



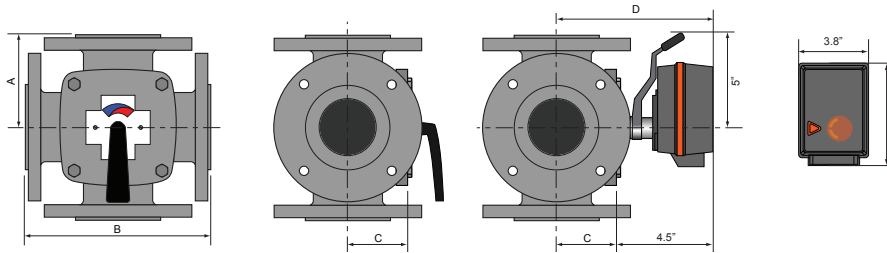
Part #	Type	Pipe Size	C _v	Mount	Body	Max Temp °F /°C	Dimensions (Inches)				Actuator (Included)	Total Weight Lbs
							A	B	C	D		
928500-00	3-Way	½"	2.9	Threaded	Brass	230/110	1.42	2.83	1.26	4.26	400100-00	1.9
928501-00	3-Way	¾"	7.3	Threaded	Brass	230/110	1.42	2.83	1.26	4.26	400100-00	2.0
928502-00	3-Way	1"	11.7	Threaded	Brass	230/110	1.61	3.23	1.34	4.34	400100-00	2.6
928503-00	3-Way	1¼"	18.7	Threaded	Brass	230/110	1.85	3.70	1.46	4.46	400100-00	3.1
928504-00	3-Way	1½"	29.3	Threaded	Brass	230/110	2.09	4.17	1.73	4.73	400100-00	4.7
928505-00	3-Way	2"	46.8	Threaded	Brass	230/110	2.36	4.72	1.81	4.81	400100-00	6.1

4-Way Valve Dimensions

4-Way ¾" - 2"



4-Way 2½" - 4"



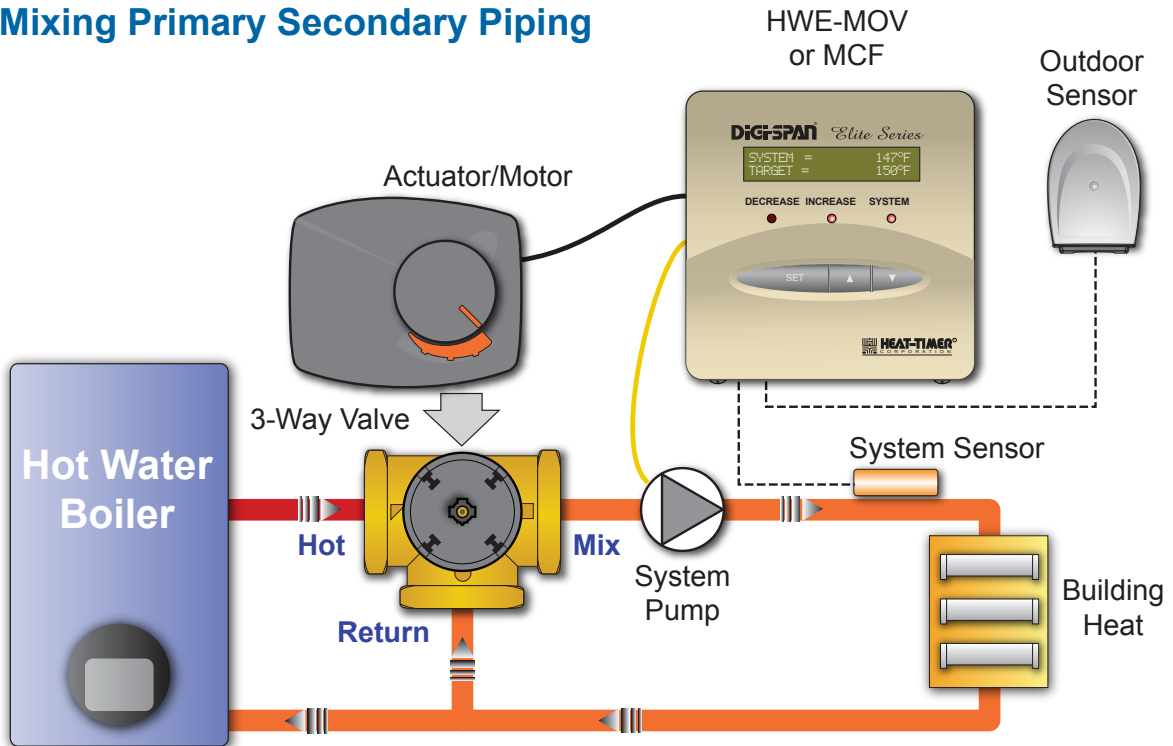
Part #	Type	Pipe Size	C _v	Mount	Body	Max Temp °F /°C	Dimensions (Inches)				Actuator (Included)	Total Weight Lbs
							A	B	C	D		
928401-00	4-Way	¾"	7.3	Threaded	Brass	230/110	1.42	2.83	1.26	4.26	400100-00	2.2
928402-00	4-Way	1"	9.3	Threaded	Brass	230/110	1.61	3.23	1.34	4.34	400100-00	2.8
928403-00	4-Way	1¼"	21	Threaded	Brass	230/110	1.85	3.70	1.46	4.46	400100-00	3.4
928404-00	4-Way	1½"	35	Threaded	Brass	230/110	2.09	4.17	1.73	4.73	400100-00	5.2
928405-00	4-Way	2"	50	Threaded	Brass	230/110	2.36	4.72	1.81	4.81	400100-00	6.7
928406-00	4-Way	2½"	115	4-DIN♦	Iron	230/110	3.9	7.9	2.0	6.5	400201-00♦♦	29
928407-00	4-Way	3"	175	4-DIN♦	Iron	230/110	4.7	9.4	2.6	7.1	400201-00♦♦	46
928408-00	4-Way	4"	265	4-DIN♦	Iron	230/110	5.2	10.4	3.2	7.7	400201-00♦♦	57

- ♦ 4 Din-Flanges Included
- ♦♦ Actuator Operates 4-Way 2-½ Valves and Larger

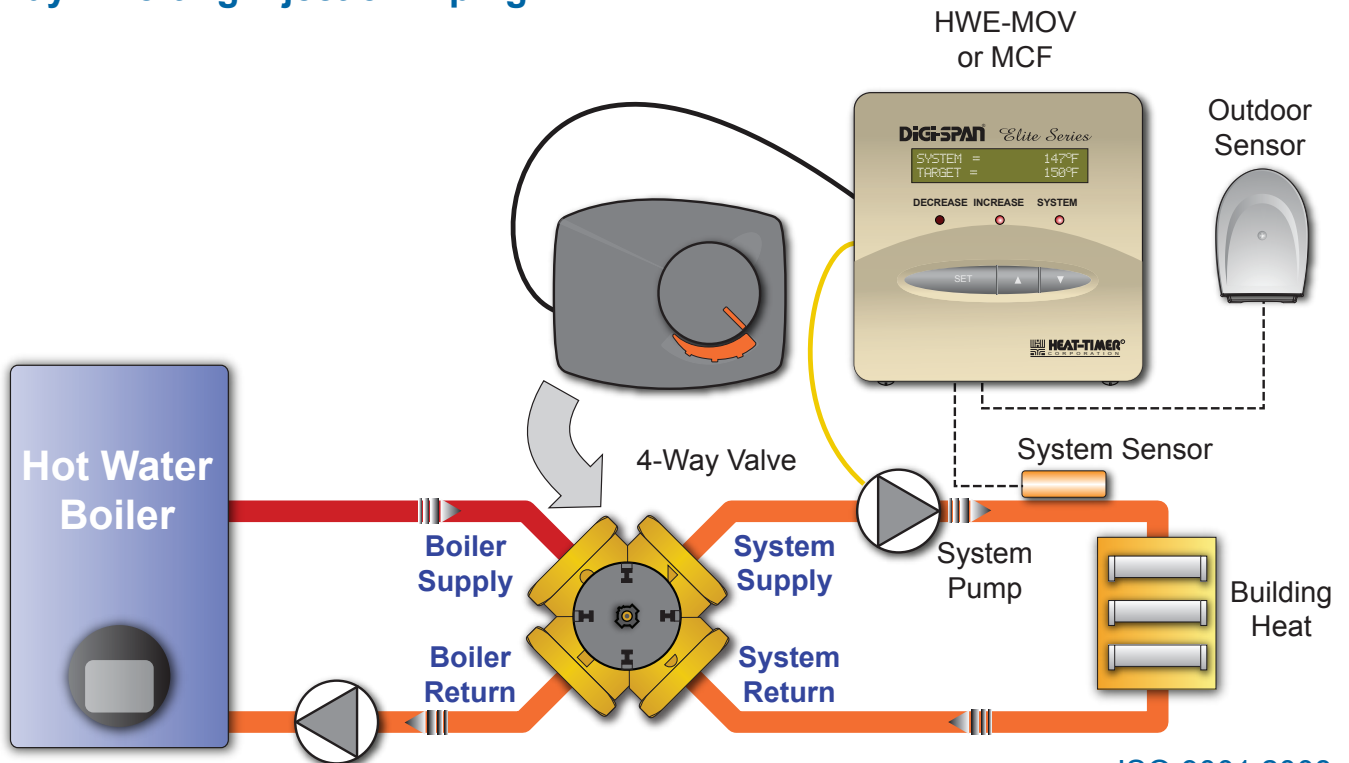
HT# 056019-00 C

Installation Examples

3-Way Mixing Primary Secondary Piping



4-Way Diverting Injection Piping



ISO 9001:2008
CERTIFIED

Valve Specifications

Acceptable Medium Water, Glycol Water up to 50%

⚠ WARNING
Valves **CANNOT** be used with fluids that contain mineral oil or chlorinated pool water.

3-Way Valve

Valve Body Brass DZR
Connection Threaded
Medium Temperature 5°F/-15°C to 230°F/110°C
Maximum Operating Pressure 145 PSI

4-Way Valve 3/4" - 2"

Valve Body Brass DZR
Connection Threaded
Medium Temperature 5°F/-15°C to 230°F/110°C
Maximum Operating Pressure 145 PSI

4-Way Valve 2 1/2" - 4"

Valve Body Cast Iron
Connection Din Flange (4 Flanges included)
Stem Stainless Steel
O-Ring EPDM
Medium Temperature 14°F/-10°C to 230°F/110°C
Maximum Operating Pressure 87 PSI

Floating Actuator Specifications

Actuator for 1/2" - 2" Valves (HT# 400100-00)

Operating Temperature 23°F/-5°C to 131°F/55°C
Power Supply 24 VAC 60 Hz ± 10%
Relay Minimum Requirement 2 VA at 24 VAC
Input Signal Floating
Rotation 90° Rotation
Torque 53 in.Lb
Run Time 2 minutes (60Hz)
Enclosure Rating IP 54
Weight 1 Lb

Actuator for 2 1/2" - 4 Valves (HT# 400201-00)

Operating Temperature 5°F/-15°C to 131°F/55°C
Power Supply 24 VAC 60 Hz ± 10%
Relay Minimum Requirement 2 VA at 24 VAC
Input Signal Floating
Rotation 90° Rotation
Torque 135 in.Lb
Run Time 4 minutes (60Hz)
Enclosure Rating NEMA 13, IP 54
Weight 1.8 Lb

HT# 056019-00 C

