Heat Link®
www.heatlink.com

4-way FNPT Mixing Valve
Submittal - Page 1 of 2

Job or Customer :	
Location :	
Engineer :	
❑ Complies with Spec ❑ Alternate	Notes :
Contractor :	
HeatLink Rep :	
Submitted By :	Date :
Approved By :	Date :
P.O. Number :	Date :

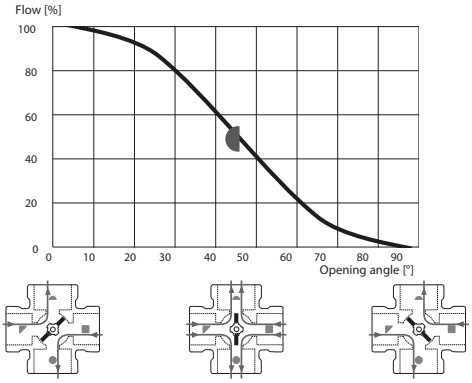
Description

This unit mixes high temperature boiler water with heating return water to create a supply water temperature. It has the option of manual operation, or it can be fitted with a mixing valve motor for fully automatic operation. Mixing valves are shipped prepared for boiler supply on the left. Compatible with Mixing Valve Motor for 1" to 2" FNPT Valves 3-Point Floating (58131) and Mixing Valve Motor for 1" to 2" FNPT Valves DDC (58132).

Technical Data

Material - Valve Body & Slide: ..... Brass DZR
Material - Shaft & Bushing:..... PPS composite
Material - O-ring:..... EPDM
Max. Operating Temperature:..... 230°F (110°C)
Min. Operating Temperature:..... -15°F (-10°C)
Max. Operating Pressure:..... 145 psi (10 bar)
Max. Differential Pressure: ..... 14.5 psi (1 bar)
Leaking in % of flow*: ..... <1.0%
Max. Torque:..... <44lbf*in (<5Nm)

*based on diff. pressure of 14.5 psi (1 bar)



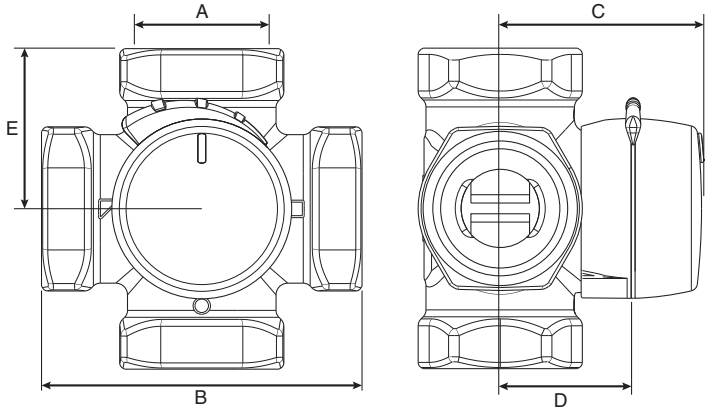
			Dimension						
Qty	Stk. #	A	B	C	D	E	Cv	Kvs	Weight
	64026	1" FNPT	3.23" (82 mm)	2.05" (52 mm)	1.34" (34 mm)	1.61" (41 mm)	11.7	10	1.76 lb (0.80 kg)
	64031	1-¼" FNPT	3.70" (94 mm)	2.17" (55 mm)	1.46" (37 mm)	1.85" (47 mm)	18.7	16	2.38 lb (1.08 kg)
	64041	1-½" FNPT	4.17" (106 mm)	2.36" (60 mm)	1.73" (44 mm)	2.09" (53mm)	29.3	25	4.17 lb (1.89 kg)
	64051	2" FNPT	4.72" (120 mm)	2.52" (64 mm)	1.81" (46 mm)	2.36" (60 mm)	46.8	40	5.62 lb (2.55 kg)

Installation

Installation must follow all of HeatLink's instructions and guidelines, including those in the installation instructions.

Related Documents

• HeatLink Limited Heating Warranty



Toll Free: 1-800-661-5332
Canada Fax: 1-866-450-1155
USA Fax: 1-800-869-6098

Mixing Valve Sizing Graph

Valves are designed for optimum performance in the shaded region. There are two ways to size a valve correctly. Note the second method assumes the flow rate through the valve is known.

1. In the diagram below, select the Btu load desired for the hydronic system along the bottom scale. Draw a line straight up to the temperature drop desired for the system (the diagonal lines). From this point, take a line left, until it crosses a diagonal mixing valve line in the shaded area of the left graph. This line indicates the proper sized valve for the project. Extend a line downwards from the intersection and read the pressure drop across the valve along the bottom.
2. From the scale on the left, select the flow rate for the system. Follow straight right until it crosses a diagonal line in the shaded region. This line indicates the proper valve for the system. Extend a line downwards from the intersection and read the pressure drop across the valve along the bottom.