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3-way FIP 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.

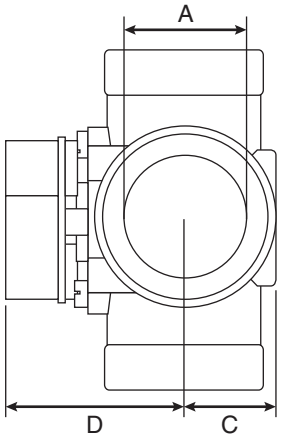
Technical Data
Material - Housing: ..... Brass
Material - Slide:..... Brass
Material - Spindle:..... Brass
Spindle Sealing:..... 2 o-rings, EPDM
Max. Operating Temperature:..... 110°C / 230°F
Max. Operating Pressure:..... 10 bar / 145 psi
Degree of Movement:..... 90°
Torque:..... 0.4 Nm
Recommended Torque of Actuating Motor: ... 10 Nm

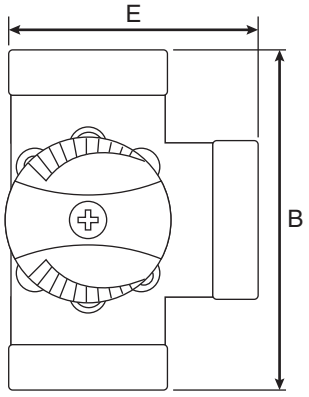
Standards / Listings
n/a

			Dimension							
Qty	**Stk. #**	**A**	**B**	**C**	**D**	**E**	**Cv**	**Kvs**	**Motor**	**Weight**
	63540	1-½" FIP	4-⅜" (110 mm)	1-¼" (31 mm)	2-⅛" (53 mm)	3-⅜" (86 mm)	29	25	58150	3.5 lb 1.6 kg
	63550	2" FIP	4-¾" (120 mm)	1-⅜" (35 mm)	2-¼" (57 mm)	3-¾" (95 mm)	46.4	40	58150	

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

Related Documents
• 3-Way Mixing Valve Installation Instructions (L663500)
• Component Warranty





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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.

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