

V-4334 Flare Valve

Description

The V-4334 Three-Way Mixing Flare Valve accurately regulates the mixing of water at different temperatures in small room air conditioning units.

Refer to the *V-4334 Three-Way Cast Brass Valve for 5/8 in. O.D. Tubing S.A.E. 45° Flared Connections Product Bulletin (LIT-977180)* for important product application information.

Features

- supplied with a factory installed V-3000 exposed pneumatic actuator, which has a synthetic rubber diaphragm in a die-cast aluminum housing
- molded diaphragm provides a constant effective area throughout the valve stroke
- actuator assembly can be removed without disturbing the remainder of the valve assembly
- completely enclosed actuator can be ordered separately for field mounting (V-3000-8003)

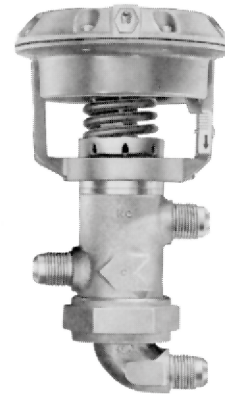
- contains two modulating plugs, which provide a characterized relationship between valve lift and flow at a constant pressure drop
- bottom service connection is furnished with a 90° elbow that can be rotated to any position

Applications

Typically used when hot water is circulated during the heating cycle and cold water is circulated during the cooling cycle.

Repair Information

If the V-4334 Flare Valve fails to operate within its specifications, replace the valve body, actuator, or entire assembly. For replacement parts, contact the nearest Johnson Controls® representative.



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Selection Chart

Code Number	Valve Size, in.	Spring Range, psig	Max. Cv (kv)
V-4334-1001	5/8	4 to 8	4.7 (4.0)
V-4334-1002		9 to 13	

Accessories

Code Number	Description
V-3000-10	Valve Position Indicator
V-3000-8003	Enclosed V-3000 Actuator for Field Mounting
V-9502-15	Pneumatic Positioner

Technical Specifications

V-4334 Flare Valve	
Style	Cast Bronze for O.D. Tubing, S.A.E. 45° Flared Connections, 250 psig Body Rating
Valve Size	5/8 in.
Maximum Cv (kv)	4.7 (4.0)
Style	Three-Way Mixing Valve
Spring Range (Nominal)	4 psig to 8 psig and 9 psig to 13 psig
Service	Hot and Cold Water
Valve Stroke Length (Travel)	11/16 in.

WARNING

This product is made of copper alloy, which contains lead. The product is therefore not to be used on drinking water.

WARNING

This product can expose you to chemicals including lead, which is known to the State of California to cause cancer, birth defects, or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

WARNING: BRASS MAY CONTAIN LEAD

To fulfill our obligations towards Article 33, in accordance to the European REACH Regulation No 1907/2006 EC, we hereby inform you that this article contains the following Substances of Very High Concern mentioned on the Candidate list:

- Lead