

Two-way Angle Union Valves

Normally Open



656 Powermite Two-way Normally Open Valve with angle union outlet.

Description

Designed to control the flow of both water and steam, the Powermite 656 Series Two-way Angle Union Valves are available with normally open action.

Features

- Enclosed actuator housing to protect components
- Small size allows easier installation in tight spaces
- Replaceable soft disc provides tight shut-off
- Dual sealing feature for the valve stem
- Actuator can be rotated to facilitate piping control from different directions
- Stainless steel valve stem to reduce friction and corrosion

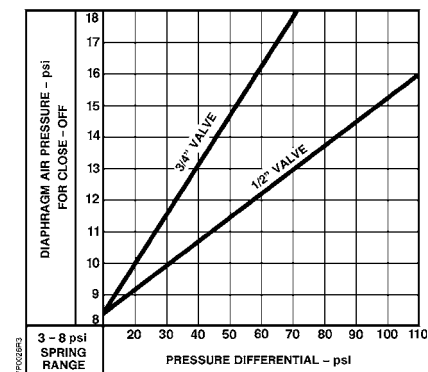
Applications

The Powermite 656 Series Angle Union Valves are recommended for control of hot or chilled water for controlling convectors, fan coil units, radiation, reheat coils, and similar terminal unit applications. Designed with dual sealing packed construction, this valve can be used in systems having relatively high pressures. Typical uses are sites where efficient economical control is desired. The compact size is excellent where space is limited.

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Valves

Nominal Close-off Ratings



656 Powermite Two-way Specifications

Valve Size	1/2" (15 mm), 3/4" (20 mm)
Valve Body Style	Angle Union
Valve Action	Normally Open (NO)
Valve Stroke	1/4" (6 mm)
Valve Body Rating	ANSI Class 125
Diaphragm	
Effective Area	3.4 in. ² (22 cm ²)
Material	Silicone Rubber
Ambient Temperature Range	30 to 160°F (-1 to +71°C)
Maximum Air Pressure	30 psi (207 kPa)

Maximum Medium Temperature	250°F (121°C)
Controlled Medium	Steam, Water, Ethylene Glycol Solution
Maximum Medium Inlet Pressure	
Water	Refer to Valve Body Rating Table in Reference section.
Saturated Steam	15 psi (103 kPa)
Maximum Recommended Differential Pressure for Modulating Service	
Water	20 psi (138 kPa)
Seam	15 psi (102 kPa)

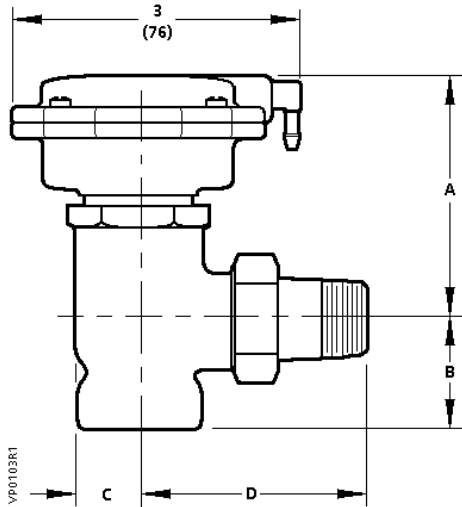
656 Powermite Two-way Product Ordering

Valve Size	Cv	Close-offs	Spring Range	Part No.
1/2" (15 mm)	2.1	95 psi (655 kPa)	3 to 8 psi (21 to 55 kPa)	656-0017
1/2" (15 mm)	2.1	95 psi (655 kPa)	5 to 10 psi (34 to 69 kPa)	656-0019
3/4" (20 mm)	4.6	95 psi (655 kPa)	3 to 8 psi (21 to 55 kPa)	656-0018
3/4" (20 mm)	4.6	95 psi (655 kPa)	5 to 10 psi (34 to 69 kPa)	656-0021

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Valves

Dimensions and Weights



Dimensions shown in inches (mm).

Valve Size	Dimensions				Weight
	A	B	C	D	
1/2" (15 mm)	2-15/16" (75 mm)	1-1/4" (32 mm)	13/16" (21 mm)	2-5/8" (67 mm)	2.2 lb. (1.0 kg)
3/4" (20 mm)	3-1/16" (78 mm)	1-5/16" (33 mm)	1-1/8" (29 mm)	2-7/8" (73 mm)	2.7 lb. (1.2 kg)