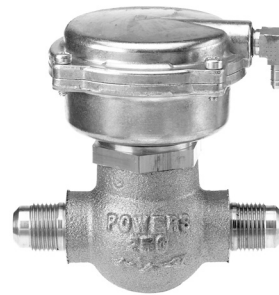


Two-Way Valves

1/2" Flared Type

Normally Open or Normally Closed



656 Powermite
Two-Way Normally Open Valve.



656 Powermite
Two-Way Normally Closed Valve.

Description

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

Features

- Modified equal percentage throttling characteristics
- Replaceable disc for tight shutoff
- Dual sealing feature for the valve stem
- Disassembly of the valve top, inspection, and upper packing replacement without system shutdown or valve body removal
- Actuator can be rotated to facilitate piping control air from different directions

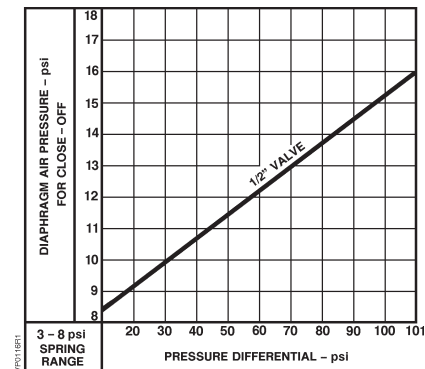
Applications

The Powermite 656 Series Valves are recommended for use with hot or chilled water and steam for control of convectors, fan coil units, radiation, reheat coils, and similar terminal unit applications. The dual sealing packed design is excellent for applications for higher-pressure systems encountered in high rise buildings. The compact size is excellent for use when space is limited.

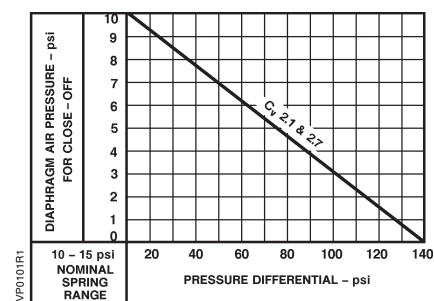
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Valves

Nominal Close-off Ratings



Normally Open.



Normally Closed.

656 Powermite Two-Way Specifications

Valve Size	1/2" (15 mm)
Valve Body Style	Flared End
Valve Action	NO (Direct Action)/NC(Direct Action)
Stem Travel	1/4" (6 mm)
Valve Body Rating	ANSI Class 250
Actuator Standard Spring Ranges with 10 psi (69 kPa) ΔP	
Differential Pressure	10 to 15 psi (69 to 103 kPa) NC 3 to 8 psi (21 to 55 kPa) NO
Nominal Spring Span	5 psi (35 kPa)

Effective Diaphragm Area	3.4 in. ² (22 cm ²)
Max. Diaphragm Pressure	30 psi (207 kPa)
Air Connection	1/8" NPT
Controlled Medium	Water, Steam, Glycol Solution
Maximum Medium Temperature	250° F (121° C)
Maximum Inlet Pressures	
Water.....	Refer to Reference Section
Steam.....	15 psi (103 kPa)
Maximum Differential Pressure for Modulating Service	
Water.....	20 psi (138 kPa)
Steam.....	15 psi (103 kPa)

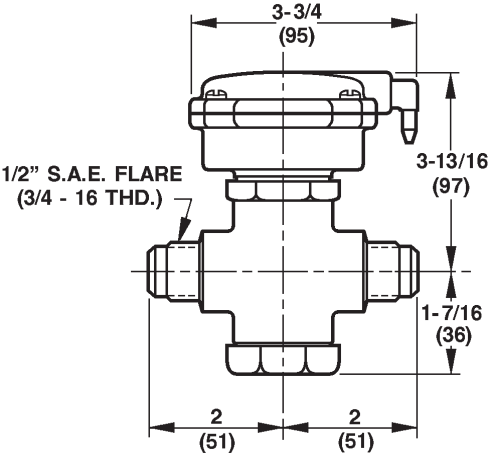
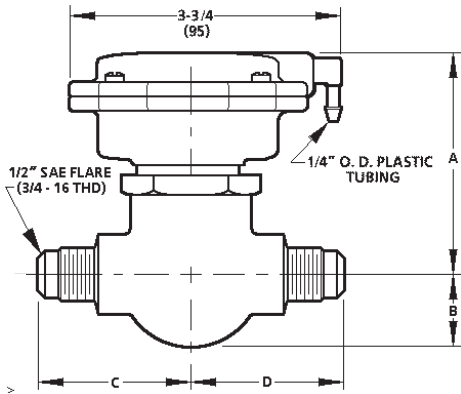
656 Powermite Two-Way Product Ordering

Valve Size	Cv	Close-offs	Spring Range	Part No.
Normally Open				
1/2" (15 mm)	0.9	95 psi (655 kPa)	3 to 8 psi (21 to 55 kPa)	656-0004
1/2" (15 mm)	2.1	95 psi (655 kPa)	3 to 8 psi (21 to 55 kPa)	656-0002
Normally Closed				
1/2" (15 mm)	2.1	140 psi (965 kPa)	10 to 15 psi (69 to 103 kPa)	656-0012

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Dimensions and Weights

Valves



Dimensions shown in inches (mm).

Valve Size	Valve Action	Dimensions				Weight
		A	B	C	D	
1/2"	Normally Open	3-3/16" (81 mm)	1" (25 mm)	2" (51 mm)	2" (51 mm)	2.2 lb.(1.0 kg)
1/2"	Normally Closed	3-13/16" (97 mm)	1-7/16" (36 mm)	2" (51 mm)	2" (51 mm)	2.2 lb.(1.0 kg)

Accessories & Service Kits

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