### **Two-Way Angle Union Valves**

1 to 1-1/4" Angle Female x Union Male Normally Open



658 Powertop Two-Way

Normally Open Valve with Angle Union Outlet.

### **Description**

Designed to control the flow of steam, water, and ethylene glycol solutions, the Powertop 658 Series Two-way Angle Union Valves are available with normally open action.

#### **Features**

- · Replaceable soft disc provides tight shut-off
- Actuator can be rotated to facilitate piping control from different directions
- Stainless steel valve stem to reduce friction and corrosion
- Large diaphragm area for control accuracy and tight close-off
- Equal percentage plugs and long stroke for controllability
- · Removable actuator for ease of servicing

### **Applications**

The Powertop 658 Series Angle Union valves are recommended for control of steam, water and ethylene glycol solutions for controlling unit ventilators, reheat coils, fan coil units, induction units, and duct coils.

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# **658 Powertop Two-Way Angle Specifications**

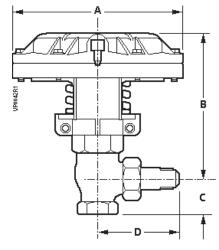
Valve Size	1" (25 mm), 1 1/4" (32 mm)
Valve Body Style	Angle Union
Valve Action	Normally Open (NO)
Valve Stroke	1/2" (15 mm)
Valve Body Rating	ANSI Class 125
Diaphragm	
Effective Area	11.2 in. <sup>2</sup> (71 cm <sup>2</sup> )
Material	EP Rubber
Ambient Temperature Range	35 to 140°F (2 to +60°C)
Maximum Air Pressure	

Controlled Medium	Steam, Water, Ethylene Glycol Solution
Flow Characterization	Equal Percentage
Maximum Medium Temperature	<b>e</b> 250°F (121°C)
	reRefer to Valve Body Rating Table in Reference Section15 psi (103 kPa)
	rential Pressure 25 psi (170 kPa) 15 psi (103 kPa)

### **658 Powertop Two-Way Angle Product Ordering**

Valve Size	Cv	Close-offs	Spring Range	Part No.
Normally Open				
1" (25 mm)	10	100 psi (689 kPa)	2 to 6 psi (14 to 41 kPa)	658-0012
1-1/4" (32 mm)	16	58 psi (400 kPa)	2 to 6 psi (14 to 41 kPa)	658-0014

## **Dimensions and Weights**



Dimensions shown in inches (mm).

	Dimensions				
Valve Size	Α	В	С	D	Weight
1" (25 mm)	5-1/2" (140 mm)	4-15/16" (125 mm)	1-3/4" (44 mm)	3-1/8" (79 mm)	5.0 lb. (2.3 kg)
1-1/4" (32 mm)	5-1/2" (140 mm)	5-1/2" (140 mm)	2" (51 mm)	4-3/8" (111 mm)	6.0 lb. (2.7 kg)

Accessories & Service Kits	A-257