

200 psi, 2-Way Valves

Tapped 1/2", 3/4", 1", 1-1/4", 1-1/2", 2", 3"

Use 30 to 40 psi
(2.1 - 2.8 bar)
Air Pressure on Top

SPECIFICATIONS

Media: Steam • Hot or Cold Water • Air & Inert Gases

Pressure: Maximum Operating Pressure: 200 psi (14 bar)

Temperature Range: -40° TO 388°F (-40° TO 198°C)

These valves are designed for low pressure service and where compactness is desired. The stem and disc are machined from a single piece of stainless steel. Seat rings are stainless steel and are of drop-in variety. The upper seat which is of cage design, also serves as a diverter to help direct the flow through the valve. The stem packing consists of a single ring of glass reinforced PTFE with an integrally confined spring to eliminate the need for manual adjustments of packing. Because only one seal is used, the cavity for the seal in the body is shallow and the stem bearing length is correspondingly longer. A spiral wound gasket consisting of stainless steel and filler material is utilized to seal the upper seat.

Yoke arms are cast on the bodies to make a sturdy compact unit.

The bodies are of cast bronze. Diaphragm springs are high quality spring steel and a proprietary coating is applied for maximum corrosion resistance. These valves are equipped with a single size diaphragm actuator in each basic size. The actuator permits operation of the valve at a maximum rated pressure at any port with recommended actuating air pressure of 35 psi (2.4 bar). (If lesser line pressures are handled, lesser actuating air pressure can be used). The diaphragm actuator includes a quality reinforced-elastomer sheet that is highly resistant to elevated temperatures. Sinclair Collins diaphragm assemblies may be replaced with the valve under pressure but de-energized. The two-piece construction allows the diaphragm assembly to be changed in areas where head space is at a premium.

For dimensional data, see page 38.

2-Way Normally Open

Basic Valve Size	Port Tap (NPTF)	Model Number	Pressure Rating		Cv	
					Port 1 to Port 2	Port 2 to Port 1
			psi	bar		
1/2"	1/2"	C244-2002	200	14	5.5	6.5
	3/4"	C244-3002	200	14	6.9	7.4
1"	1"	C244-4002	200	14	14.7	14.7
	1 1/4"	C244-5002	200	14	15.5	16.3
1 1/2"	1 1/2"	C244-6002	200	14	21.0	25.5
2"	2"	C244-7002	200	14	47.0	53.0
	3"	C244-9002	200	14	58.0	63.0

2-Way Normally Closed

Basic Valve Size	Port Tap (NPTF)	Model Number	Pressure Rating		Cv	
					Port 1 to Port 2	Port 2 to Port 1
			psi	bar		
1/2"	1/2"	C244-2001	200	14	6.4	6.0
	3/4"	C244-3001	200	14	7.4	7.1
1"	1"	C244-4001	200	14	14.5	13.0
	1 1/4"	C244-5001	200	14	15.5	15.0
1 1/2"	1 1/2"	C244-6001	200	14	26.0	23.8
2"	2"	C244-7001	200	14	51.0	48.5
	3"	C244-9001	200	14	66.0	58.0

