

Soft Seated, 400 psi (28 bar) 2- & 3-Way Valves Tapped 1/4", 3/8"

Use 35 to 40 psi
 (2.4 - 2.8 bar)
 Air Pressure on Top

SPECIFICATIONS

Media: Steam • Hot or Cold Water • Air & Inert Gases
Pressure: Maximum Operating Pressure: 400 psi (28 bar)
Temperature Range: -40° TO 400°F (-40° TO 204°C)

This basic 1/4", soft seated valve is available in 2- and 3-Way types. These valves were designed for applications where a bubble-tight seal is required. This is done through the utilization of stainless steel reinforced PTFE rings on the stem.

The body, adapter and yoke are of cast bronze. Diaphragm springs are high quality spring steel and a proprietary coating is applied for maximum corrosion resistance. The stem packer is spring loaded and self-adjusting for reduced maintenance and longer packer life. The stem is guided by an engineered proprietary polymer bearing pressed into the packer gland. Spiral wound gaskets consisting of stainless steel and filler material are utilized to seal the seats and adapter.

This valve is equipped with a single size diaphragm actuator. The actuator permits operation of the valve at the ratings shown in the Model Selection Chart. Two-piece construction is standard on this valve which allows the diaphragm assembly to be changed in areas where headspace is at a premium. The diaphragm assembly may be replaced with the valve under pressure but de-energized.

To order valves with Molded PTFE diaphragms, change the fourth digit in the Model Number to (6). Example: C266-0091

For dimensional data, see page 39.



Valve Type		Piping Connection		
		Port 1	Port 2	Port 3
2-Way	Normally Open Angle Piped	Plugged	Cylinder or Inlet	Inlet or Cylinder
	Normally Closed Inline Piped	Inlet	Cylinder	Plugged
3-Way	Normally Open	Drain	Cylinder	Inlet
	Normally Closed	Inlet	Cylinder	Drain
3-Port	Directional Valve	Outlet	Inlet	Outlet
	Mixing Valve	Inlet	Outlet	Inlet

Model Selection Chart

Basic Valve Size	Port Tap (NPTF)	Description	Model Number	Pressure Rating		Cv			
						psi	bar	Port 1 to Port 2	Port 2 to Port 1
				psi	bar				
1/4"	1/4"	2WNC	C264-00091	400	28	3.35	3.75	-	-
	3/8"		C264-00101	400	28	3.05	3.25	-	-
	1/4"	2WNO	C284-00071	400†	28†	3.35	3.75	-	-
	3/8"		C284-00081	400†	28†	3.05	3.45	-	-
	1/4"	3WNC	C264-00131	400*	28*	3.35	3.75	4.15	4.25
	3/8"		C264-00141	400*	28*	3.05	3.25	4.90	4.25

CAUTION -See Chart Above

* When used as a **DIRECTIONAL CONTROL VALVE**, pressures up to 400 psi are permissible. As a **MIXING VALVE** pressures up to 400 psi at Port #1 are permissible, but pressure at Port #3 must not exceed 275 psi with 35 psi pressure. At 40 psi top pressure, 400 psi may be introduced at Port #3.

† Pressure rating shown is for inlet at Port #1. With inlet at Port #2 pressure must not exceed 275 psi with 35 psi top pressure. At 40 psi top pressure 400 psi may be introduced at Port #2.