

400psi (34 bar), 3-Way Valves
Tapped 1/2", 3/4", 1", 1-1/4", 1-1/2", 2"

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: 400 psi (28 bar)

TEMPERATURE RANGE: -40° TO 400°F (-40° TO 204°C)

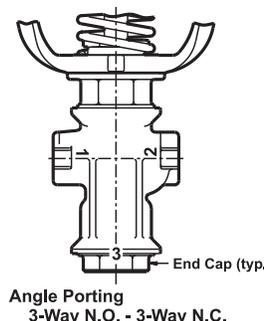
These soft seated valves were designed for applications where bubble-tight seal is required. This is done through stainless steel reinforced PTFE rings on the stem. Valve bodies are machined from the highest quality Navy-M bronze with stainless steel stem and seats, spring-loaded packers and stainless steel spiral-wound gaskets. The body, adapter and yoke are of cast bronze. The exclusive swivel stem design reduces side load on the stem packer for longer packer life. Diaphragm springs are high quality spring steel and a proprietary coating is applied for maximum corrosion resistance.

These valves are available with a choice of large or small diaphragm actuators. The large actuator permits operation of the valve at maximum rated pressure at any port with 30 to 40 PSI (2.1 to 2.8 bar). The small actuator provides some savings in space, but their use reduces the usable operating pressure of the valve to the limits shown in the Model Selection Charts. The large and small diaphragm actuators are interchangeable within a given basic size. The actuator may be replaced with the valve under pressure but de-energized.

Internal areas in the valves are designed for higher Cv ratings. Higher Cv ratings offer faster recovery times for temperature and faster cycle rates.

To order valves with Molded PTFE diaphragms, change the fourth digit to (6).

Example: C266-20051. **For dimensional data, see page 40.**



Valve Type		Piping Connection		
		Port 1	Port 2	Port 3
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	Large Top		Small Top		Cv					
			psi	bar	psi	bar	Port 1 to Port 2	Port 2 to Port 1	Port 2 to Port 3	Port 3 to Port 2		
			Model No.	C264-20051		C264-20131		6.6	7.3	8.0	8.0	
Pressure Rating	400	28.0	270 (1)	18.6								
1/2"	3/4"	3WNC	Model No.	C264-20061		C264-20141		8.3	7.8	9.9	10.8	
			Pressure Rating	400	28.0	270 (1)	18.6					
1"	1"	3WNC	Model No.	C264-40051		C264-40131		15.2	16.0	19.8	23.8	
			Pressure Rating	400	28.0	230 (2)	15.9					
	1 1/4"		Model No.	C264-40061		C264-40141		19.2	20.8	24.2	27.5	
			Pressure Rating	400	28.0	230 (2)	15.9					
1 1/2"	1 1/4"	3WNC	Model No.	C264-60051		C264-60131		30.2	28.8	38.5	43.0	
			Pressure Rating	400	28.0	165 (3)	11.4					
	1 1/2"		Model No.	C264-60061		C264-60141		34.2	35.0	38.5	44.0	
			Pressure Rating	400	28.0	165 (3)	11.4					
	2"		2"	Model No.	C264-60191		C264-60231		37.5	40.0	45.5	54.5
				Pressure Rating	400	28.0	165 (3)	11.4				

- (1) When used as a **Directional Valve**, pressures must not exceed 270 psi. As a **Mixing Valve**, pressures up to 400 psi are permissible at Port 1. However, pressure at Port 3 must not exceed 110 psi.
- (2) When used as a **Directional Valve**, pressures must not exceed 230 psi. As a **Mixing Valve**, pressures up to 400 psi are permissible at Port 1. However, pressure at Port 3 must not exceed 105 psi.
- (3) When used as a **Directional Valve**, pressures must not exceed 165 psi. As a **Mixing Valve**, pressures up to 400 psi are permissible at Port 1. However, pressure at Port 3 must not exceed 40 psi.