

Hard Seated, 500 psi, 2- & 3-Way Valves Tapped 1/4", 3/8"

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: 500 psi (34 bar)**

Temperature Range: -40° TO 450°F (-40° TO 232°C)

This basic 1/4" valve is available in 2-way and 3-way types. The 2-way, normally closed valves are inline ported. The 2-way, normally open valves may be ordered with angle or inline porting, as shown in the Model Selection Chart. The piping variations for the 3-way as well as the 2-way are shown in the Piping Connection chart. 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. 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 head space is at a premium. The diaphragm assembly may be replaced with the valve under pressure but de-energized.

To order gas tested valves, add suffix (2) to the Model No. Example: C264-00092.

To order valves with molded PTFE diaphragms, change the fourth digit in the model No. to (6). Example: C266-0009.

* See Page 2.

** See maximum pressure for individual valves in "Model Selection Chart."

For dimensional data, see page 39.

CAUTION - See Chart

(1) Pressure rating shown is for inlet at Port 3. With inlet at Port 2, pressures up to 500 psi are permissible.

(2) When used as a **Directional Valve**, pressures up to 500 psi are permissible. As a **Mixing Valve**, pressures up to 500 psi at Port 1 are permissible but pressure at Port 3 must not exceed 225 psi with 30 psi top pressure. At 40 psi top pressure, 500 psi may be introduced at Port 3.

(3) When used as a **Directional Valve**, pressures up to 500 psi are permissible. As a **Mixing Valve**, pressures up to 240 psi at Port 1 are permissible but pressure at Port 3 must not exceed 375 psi with 30 psi top pressure. At 40 psi top pressure, 500 psi may be introduced at Port 3.

(4) Pressure rating shown is for inlet at Port 1 with inlet at Port 2, pressures up to 500 psi are permissible.



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
	Normally Open 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			
						Port 1 to Port 2	Port 2 to Port 1	Port 2 to Port 3	Port 3 to Port 2
				psi	bar				
1/4"	1/4"	2WNC	C264-0009	500	34.0	2.06	-	-	-
	3/8"	(Inline Porting)	C264-0010	500	34.0	2.57	-	-	-
	1/4"	2WNO	C284-0007	375 (4)	26.0	1.80	1.85	-	-
	3/8"	(Inline Porting)	C284-0008	375 (4)	26.0	1.95	2.25	-	-
	1/4"	2WNO	C264-0011	375 (1)	26.0	-	-	2.44	3.30
	3/8"	(Angle Porting)	C264-0012	375 (1)	26.0	-	-	2.35	2.62
	1/4"	3WNC	C264-0013	500 (2)	34.0	2.06	2.06	2.44	3.30
	3/8"		C264-0014	500 (2)	34.0	2.57	2.48	2.35	3.62
	1/4"	3WNO	C264-0015	375 (3)	26.0	2.06	2.06	2.44	3.30
	3/8"		C264-0016	375 (3)	26.0	2.57	2.48	2.35	3.62