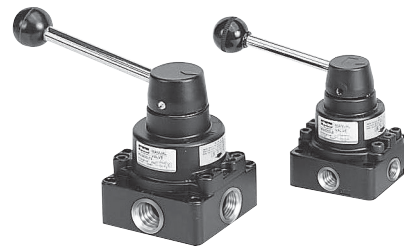


Features / Part Numbers

HV Valve Series

- Compact and simple design
- Rotary disc, direct operated valves
- Side porting
- Detent action smooth lever actuation
- General pneumatic applications



Material specifications

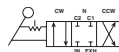
Cover	Zinc
Body	Aluminum
Seals	Polyurethane

Operating information

Operating pressure: 0 to 150 PSI (0 to 10 bar)
 Temperature range: 32°F to 166°F (0°C to 60°C)
 Lubrication: Filtered and lubricated air recommended for maximum valve life and minimum maintenance.

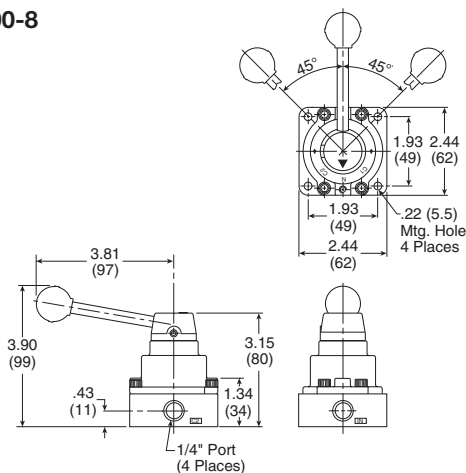
PL Series Valves

These closed center valves have a 90° lever movement. In neutral position, the inlet is closed to pressure and outlets are closed to exhaust. With clockwise (CW) rotation, inlet (IN) is connected to C2, C1 is connected to exhaust (EXH). With counter-clockwise (CCW) rotation, inlet (IN) is connected to C1, C2 is connected to exhaust (EXH). These valves are recommended for stationary air cylinders, and as throttling valves for positioning air cylinders. They are not to be used on punch presses or press brakes.

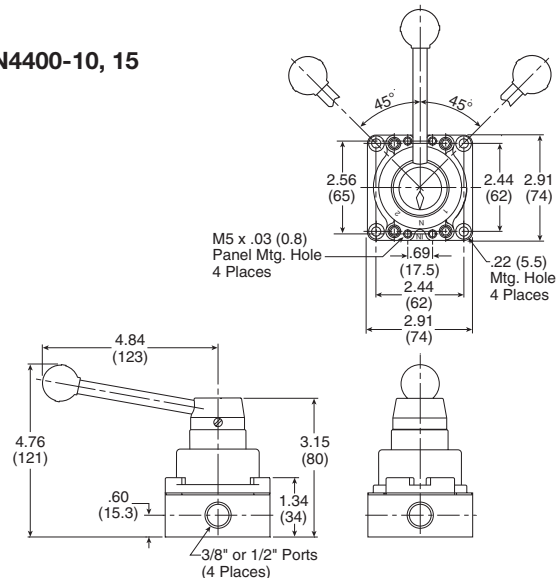


Port size	Description	Cv (ANSI)	Cv (JIS)	Part number
1/4" NPT	4-way, 3-position	0.5	0.4	HVN4200-8
3/8" NPT	4-way, 3-position	1.4	2.72	HVN4400-10
1/2" NPT	4-way, 3-position	1.5	3.26	HVN4400-15

HVN4200-8



HVN4400-10, 15



Service kits

Description	Valve size	Part number
Disk & seal service kits	HV4200	HVRK420001
	HV4400	HVRK440001

ANSI Cv vs. JIS Cv

For Pneumatic Valve flow, the measurement Cv – Coefficient of Flow – is used to convey to the user how much air can flow through a given valve. Most valve manufacturers publish this information in their catalogs to assist the user in choosing the proper valve for their application. In publishing this data however, there are discrepancies in how the Cv is calculated, resulting in some Cv's being OVERSTATED by 20 to 40%. This can adversely affect the user's application because the valve flows LESS than the published Cv.

The reason for the large discrepancy is in the method of calculation - the ANSI (NFPA) or the JIS standard. Parker's Cv valve is calculated using the ANSI (NFPA) T3.21.3-1990 standard. The ANSI (NFPA) method is a structured test using very specific tube sizes and lengths, inlet pressures and pressure drops, and volume chambers.

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