

# Pilot Operated Valve

These pilot operated valves control flow using pressure applied to an integral pilot piston. They are available in normally closed and normally open configurations.



## ADDITIONAL IMAGES



## Overview

### High-Performance Pilot Operated Valves

These pilot-operated valves are engineered for precise control in demanding industrial environments, available in both normally closed (NC) and normally open (NO) configurations. Constructed from durable 316 stainless steel, these block and bleed valves are suitable for both pneumatic and hydraulic systems. Designed for reliability and versatility, they feature robust pilot mechanisms and are available with a range of Cv factors to meet specific process control requirements.

## Technical Specifications

Max Operating Pressure	200 psig
Pilot Pressure Range	25-200 psig
Operating Temperature	-40 to 250°F

## Materials & Construction

Wetted Materials	316 SS, X-750, Buna N
Standard Seal Material	Buna N

## Performance Data

Operate Pressure	MAX.200 psig(13.8bar)	Wetted Material	316 SS, X-750, Buna N standard
Pilot Pressure	25-200 psig(1.6-13.8 bar)	Seal Material	Buna N standard
Work Temperature	-40-250°F(-40-120°C)		

Valve Size	Cv	Valve Ports	Pilot Port	A in.(mm)	B in.(mm)	C in.(mm)	D in.(mm)	H in.(mm)
1/4	1.3	1/4 FNPT	1/8 FNPT	1.28(32.5)	1.38(34.5)	1.37(34.8)	1.28(32.5)	3.44(87.8)
3/8	2.1	3/8 FNPT	1/8 FNPT	1.28(32.5)	1.38(34.5)	1.77(45)	1.63(41.3)	3.74(95)
1/2	4	1/2 FNPT	1/4 FNPT	1.50(38.1)	1.48(38)	1.87(48)	2.30(58.5)	4.72(120)
3/4	6.6	3/4 FNPT	1/4 FNPT	1.77(45)	1.48(38)	2.26(57.5)	3.28(83.4)	5.85(148.5)

Ordering Code : **POV-SS-FN4-3A-N1**

Code	Body Material	Code	Valve Ports	Code	Valve Type	Code	MR-0175
SS	316SS	FN4	1/4 FNPT	3A	3way, HO	None	No
		FN6	3/8 FNPT	3B	3way, NC	N1	-18-120°C, Yes
		FN8	1/2 FNPT			N2	-40-120°C, Yes
		FN12	3/4 FNPT				

Other sizes and types available upon request. For special requirements, please contact us.

Technical dimensions and specifications for various valve sizes.

## Cv Factor by Size

Valve Size (inch)	Cv Value
1/4	1.3
3/8	2.1
1/2	4
3/4	6.6

## Available Configurations

Normally Closed (NC) • Normally Open (NO)