

# Manual Block and Bleed Valve

These manual valves are designed as block and bleed valves with options for normally closed (NC) or normally open (NO) configurations. They can be used in pneumatic or hydraulic systems and feature 316 stainless steel construction.



## ADDITIONAL IMAGES



## Product Overview

### Manual Block and Bleed Valve

This precision-engineered manual operated valve is designed for reliable fluid control in both pneumatic and hydraulic industrial systems. Constructed from durable 316 stainless steel, it offers excellent corrosion resistance and long-term performance. The valve is available in various configurations, including 3-way (Normally Closed or Normally Open) and 5-way designs, providing flexibility for diverse application needs.

## Performance Metrics

### Maximum Operating Pressure

**200 psig**

Max Pressure

**13.8 bar**

Max Pressure

### Operating Temperature

-40 to 250°F (-40 to 120°C)

## Technical Specifications

### Compliance & Standards

NACE MR-0175 Available

### Available Configurations

- 3-Way Normally Closed (NC)
- 3-Way Normally Open (NO)
- 5-Way (Spring Return)
- 5-Way (Without Spring)

### Construction Materials

316 Stainless Steel, Buna N Seals, X-750 Spring

## Dimensional Data

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

Dimensions		in. (mm)							
Valve Size	Valve Type	Ports	A	B	C	D	H1	Cv	Panel Hole
1/4"	Sway	1/4 NPT	1.28(32.5)	0.81(20.6)	1.24(31.5)	1.62(41.3)	5.8(146.2)	2.1	1.28(32.5)
3/8"	3 way NC	3/8 NPT	1.28(32.5)	0.94(24)	1.38(35.3)	1.62(41.3)	5.2(133.2)	2.7	1.28(32.5)
1/4"	3 way NC	1/4 NPT	1.28(32.5)	1.38(34.5)	1.78(45.2)	-	3.5(89.4)	1.3	1.28(32.5)
1/4"	3 way NO	1/4 NPT	1.28(32.5)	1.38(34.5)	1.78(45.2)	-	3.5(89.4)	1.3	1.28(32.5)

Ordering code : **MOV-SS-EN4-3A-N1**

Code	Body Material	Code	Valve Ports	Code	Valve Type	Code	MSS-D175
SS	316 SS	FN 4	1/4 FNPT	3A	3 way, NO	None	No
		FN 6	3/8 FNPT	3B	3 way, NC	N1	-18-120°C, Yes
				5A	5 way, Spring return	N2	-40-120°C, Yes
				5B	5 way, without spring		

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

Dimensional data and ordering code reference for manual operated valves.

## Valve Specifications Table

Valve Size	Valve Type	Port Size	Cv Value
1/4"	5-way	1/4 NPT	2.1
3/8"	3-way NC	3/8 NPT	2.7
1/4"	3-way NC	1/4 NPT	1.3
1/4"	3-way NO	1/4 NPT	1.3