Stainless Steel Flow Control Valve

This valve functions as a throttle valve from port P to port A. From port A to port P, the valve operates as a check valve.

ADDITIONAL IMAGES

Overview

Precision Flow Control

This stainless steel flow control valve is engineered for precise flow regulation in both hydraulic and pneumatic systems. Featuring a durable 316 stainless steel construction and standard Buna N seals, it provides reliable performance under demanding conditions. The design allows for dual-functionality, acting as a throttle valve from port P to A and a check valve from port A to P, ensuring fast system response and low operating force.

Technical Specifications

Work Pressure	MAX.1000Psig(68.9bar)	Wetted Material	316 SS & Buna N standard
Check Pressure	5 psig(0.3 bar)	Valve Ports	1/8 FNPT &1/8 NPT
Work Temperature	-40~250°F(-23~120°C)standard	–	–

Size B	1.75 in.(44.5 mm)	Cv Factor	0.4 (P to A)
Size C	1.92 in.(48.8 mm)	Cv Factor	0.1 (A to P) MAX.

Ordering Code: FCV-SS-FN2-M

Code	Body Material
SS	316SS

Code	Port P
FN 2	1/8 Female NPT
FN 8	1/2 Female NPT
FN 12	3/4 Female NPT

Code	Port A
None	Same as port P
M	Male NPT, but the same size as port P

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

Technical specifications and dimension reference for Size B and Size C models.

Cv Factors

0.4 Cv
P to A

0.1 Cv
A to P (Max)

Available Sizes

Size	Dimension
Size B	1.75 in. (44.5 mm)
Size C	1.92 in. (48.8 mm)

Wetted Materials	316 Stainless Steel, Buna N (Standard)
Maximum Working Pressure	1000 psig
Check Pressure	5 psig
Operating Temperature Range	-40 to 250 °F
Port Configuration	1/8 FNPT & 1/8 NPT

Features & Compliance

Compliance

NACE MR-0175 Available

Key Features

- Low operating force
- Fast system response
- Dual-functionality (Throttle/Check)

System Compatibility	Pneumatic, Hydraulic