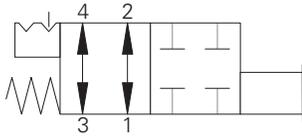


MSV4-12 - Manual Push Valve

Push and twist, normally open, directional control valve
53,2 L/min (14 USgpm) • 210 bar (3000 psi)



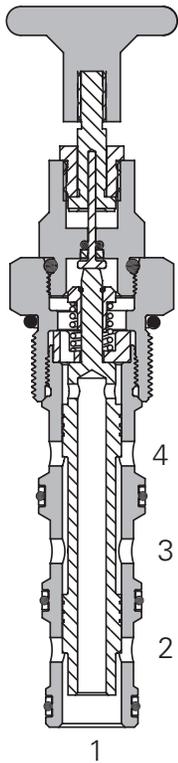
Operation

In the normal position, flow is allowed from port 3 to port 4 and from port 2 to port 1. In the actuated position, all ports are blocked.

Features

Hardened, ground and honed sleeve and spool for low internal leakage. Detent allows valve to be fixed in position

Sectional View



D

Performance Data

Ratings and Specifications

Performance data is typical with fluid at 21,8 cST (105 SUS) and 49°C (120°F)

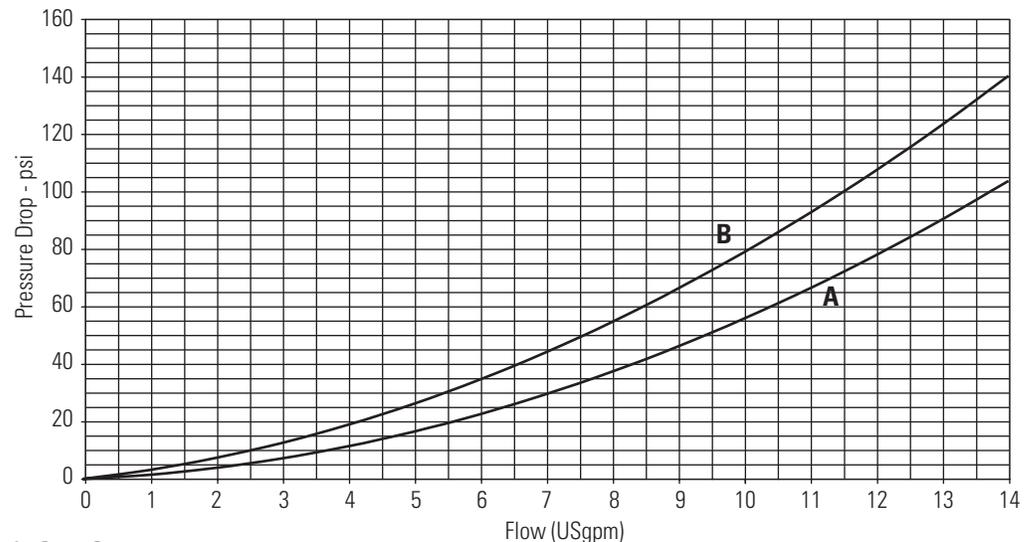
Typical application pressure (all ports)	210 bar (3000 psi)
Cartridge fatigue pressure (infinite life)	210 bar (3000 psi)
Rated flow	53,2 L/min (14 USgpm)
Internal leakage	350 cc/min (21.5 in3/min)
Temperature range	-40° to 120°C (-40° to 248°F)
Cavity	C-12-4
Fluids	All general purpose hydraulic fluids such as: MIL-H-5606, SAE 10, SAE 20 etc.
Filtration	Cleanliness code 18/16/13
Standard housing materials	Aluminum
Weight cartridge only	0,32 kg (0.71 lbs)
Seal kit	02-160979 (Buna-N), 02-160980 (Viton®)

Viton is a registered trademark of E.I. DuPont

Description

This valve is a manually operated push and twist to switch, normally open 2 position 4 ported directional valve. This is ideal for isolating an actuator.

Pressure Drop



A - P3 to P4

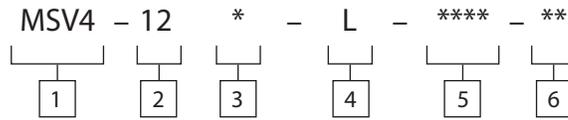
B - P2 to P1

Where measurements are critical request certified drawings. We reserve the right to change specifications without notice.

MSV4-12 - Manual Push Valve

Push and twist, normally open, directional control valve
 53,2 L/min (14 USgpm) • 210 bar (3000 psi)

Model Code



1 Function

MSV4 - 4-way, 2 position,
 Manual push valve

2 Size

12 - 12 size

3 Seal Material

Blank - Buna-N
 V - Viton®

4 Actuation Option

L - 2 position 'push and twist' actuation
 E - Emergency stop actuation
 N - No Detent

5 Port Size

0 - Cartridge only

Code	Port Size	Housing Number
Aluminium		
A6G	3/4" BSPP	5986432-001
A10H	SAE 10	5986434-001
A12H	SAE 12	5986436-001

6 Special Features

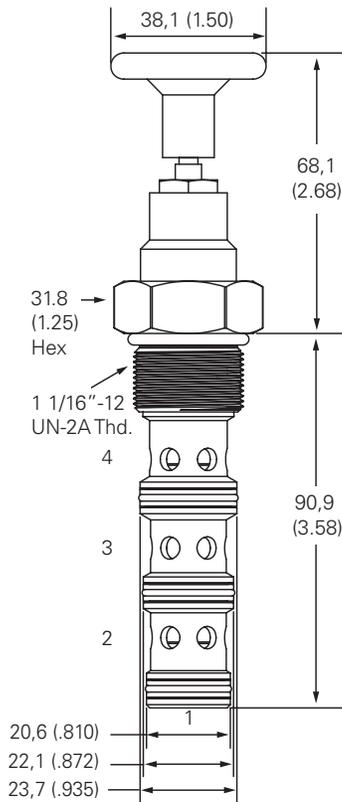
Blank - No special features

Dimensions

mm (inch)

Torque cartridge in
 aluminum housing
 81-95 Nm (60-70 ft lbs)

Cartridge Only



Installation Drawing

