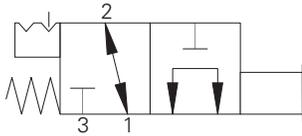


MSV11-10 - Manual Push Valve

Push and twist directional control valve
 23 L/min (6 USgpm) • 350 bar (5000 psi)



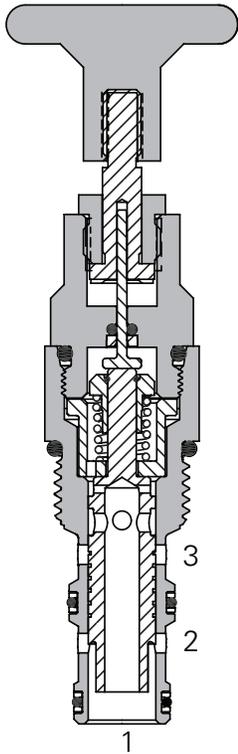
Operation

In the normal position, the valve allows flow from port 1 to port 2 while port 3 is blocked. In the actuated position, flow is allowed from port 3 to port 1 while port 2 is blocked.

Features

Hardened, ground and honed sleeve and spool for low internal leakage. Detent allows valve to be fixed in position. Working Pressure 350 bar.

Sectional View



Description

This is a manually operated high pressure push and twist type 2 position 3 ported directional control valve. Ideal for isolating a system until flow is required.

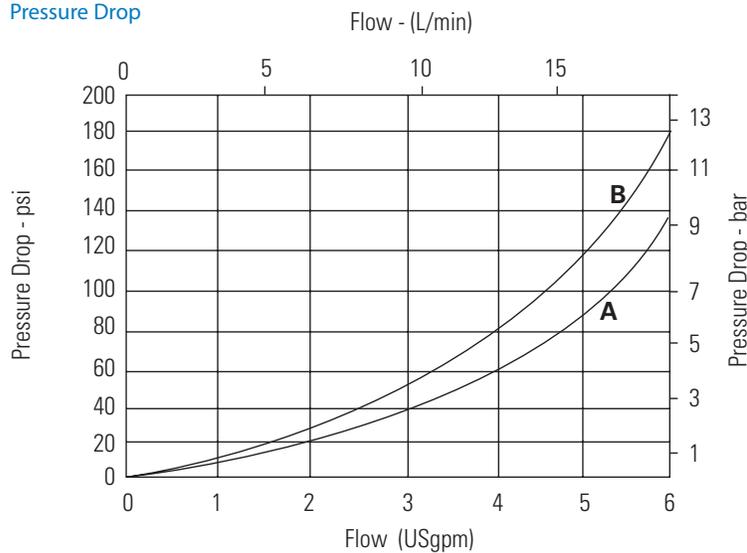
Performance Data

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)	350 bar (5000 psi)
Cartridge fatigue pressure (infinite life)	350 bar (5000 psi)
Rated flow	23 L/min (6 USgpm)
Internal leakage	350 cc/min (21.5 in ³ /min) @ 210 bar (3000 psi)
Temperature range	-40° to 120°C (-40° to 248°F)
Cavity	C-10-3
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 and Steel
Weight cartridge only	0.25 kg (0.55 lbs)
Seal kit	889624 (Buna-N), 889628 (Viton®)

Viton is a registered trademark of E.I. DuPont

Pressure Drop

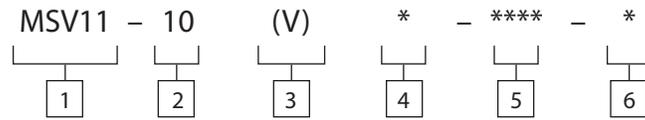


- A** - Port 1 to port 2
- B** - Port 3 to port 1

MSV11-10 - Manual Push Valve

Push and twist directional control valve
23 L/min (6 USgpm) • 350 bar (5000 psi)

Model Code



1 Function

MSV11 - 3-way, 2 position manual push valve

2 Size

10 - 10 size

3 Seals

Blank - Buna-N
V - Viton®

4 Actuation Option

L - 2 position 'push and twist' actuation, with detent
E - Emergency stop actuation
N - No detent, momentary actuation
K - Push and twist

5 Port Size

0 - Cartridge only

6 Special Features

Blank - No special features

Code	Port Size	Housing Number	
0		Aluminum	SteelA2G A3G
A6H	A8H	S2G	S3G
S6T	S8T		

Dimensions

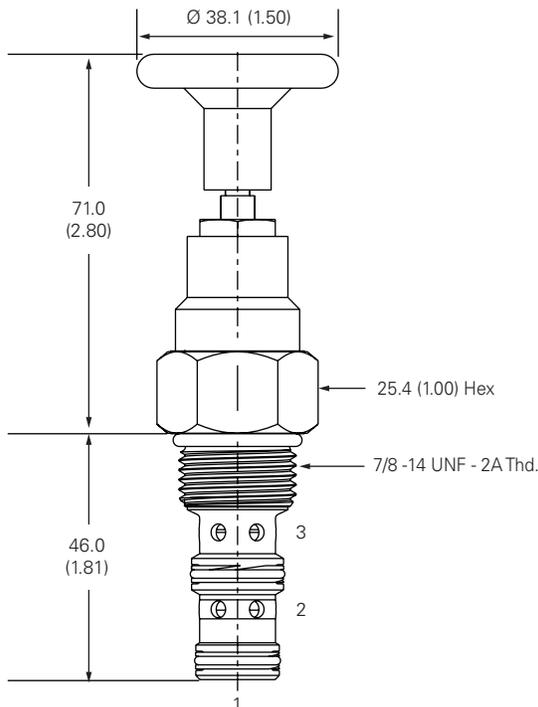
mm (inch)

Torque cartridge in housing

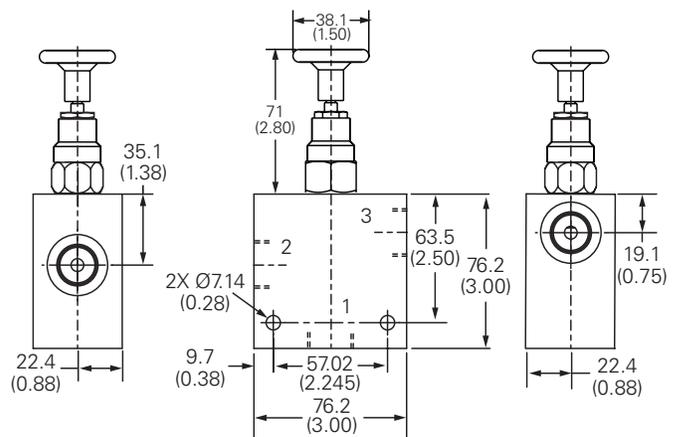
A - 47-54 Nm (35-40 ft. lbs)

S - 68-75 Nm (50-55 ft. lbs)

Cartridge Only



Installation Drawing (Steel)



WARNING

Aluminum housings can be used for pressures up to 210 bar (3000 psi). Steel housings must be used for operating pressures above 210 bar (3000 psi).