Directional Control Valves

MSV11-10

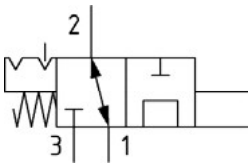
Manual Push Valve with Detent, 3-Way, Spool Type

350 bar [5000 psi] • 23 l/min [6 US gpm]

DESCRIPTION AND OPERATION

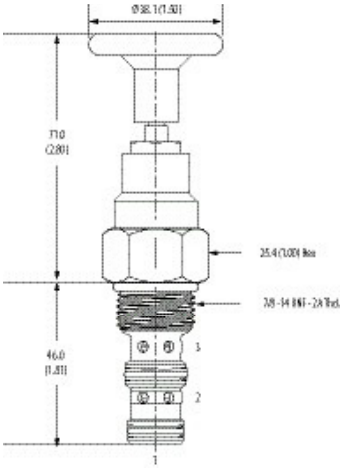
This is a 3-way, spool type, 2 position, push to open directional control valve with a push and twist detent. In the normal position, port 1 is connected to port 2 and port 3 is blocked. When the knob is manually pushed downward, port 2 is blocked and port 1 is connected to port 3. It can be held in this position by twisting the knob to engage the detent. This valve can be used to prevent flow to part of a system until manual intervention takes place.

SCHEMATIC



DIMENSIONS

mm [in]

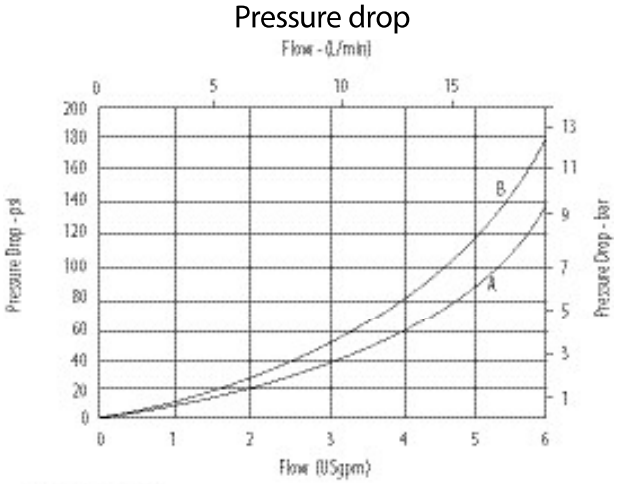


Installation torque
A-47-54 Nm (35-40 ft. lbs)
S-68-75 Nm (50-55 ft. lbs)

PERFORMANCE DATA

Rated pressure	**350 bar [5000 psi]**
Rated flow	**23 l/min [6 US gpm]**
Leakage	350 ml/min [21.5 in³/min] @ 210 bar [3000 psi]
Weight	0.25 kg [0.55 lb]
Cavity	SDC10-3

PERFORMANCE CURVES



A-Port 1 to 2 • **B**-Port 3 to 1

MODEL CODE

MSV11 - 10 - V - L - A - 2G

Seal Option

Code	Seal Kit
Omit-Buna-N	889624
V-Viton	889628

Actuator Option

L-Push and Twist, with detent
E-Push/Pull, with detent
N-No detent, momentary actuation

Housing Material

Omit-No housing
A-Aluminum
S-Steel

Housing

Code	Ports	Aluminum	Steel
0	No housing		
2G	1/4" BSP	876705	02-175127
3G	3/8" BSP	876714	02-175128
6H	#6 SAE	876704	
8H	#8 SAE	876711	
6T	#6 SAE		02-175124
8T	#8 SAE		02-175125

* Aluminum bodies are to be used for pressures less than 210 bar [3000 psi].
* Additional housings available