Directional Control Valves
MRV14-10

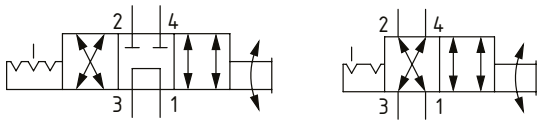
Manual Rotary Valve, 4-Way, Spool Type

350 bar [5000 psi] • 11 l/min [3 US gpm]

DESCRIPTION AND OPERATION

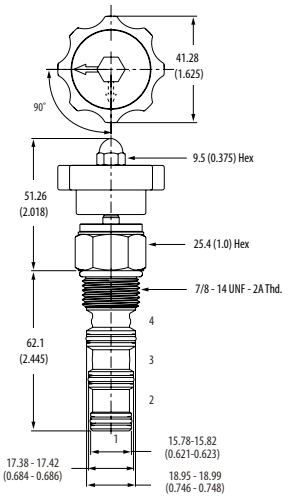
This is a 4-way, spool type, 2 or 3 position manually operated semi-rotary directional control valve. In the center position, port 1 is connected to port 3 and ports 2 and 4 are blocked. By rotating the manual actuator, the flow path will change from ports 3-2 and 1-4 to ports 3-4 and 1-2.

SCHEMATIC



DIMENSIONS

mm [in]

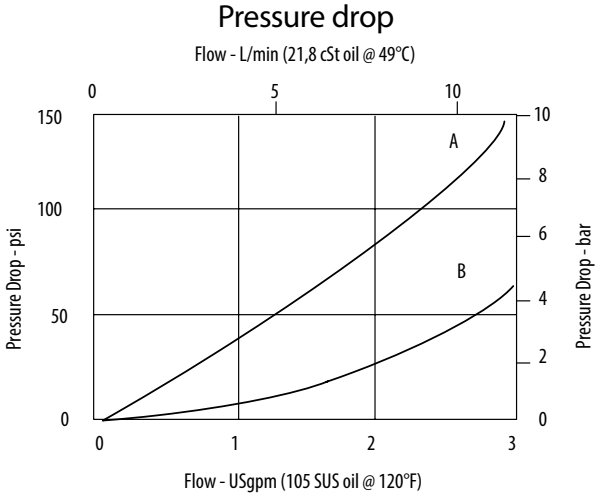


Installation torque
A-47-54 Nm [35-40 ft. lbs]
S-68-75 Nm [50-55 ft. lbs]

PERFORMANCE DATA

Rated pressure	**350 bar [5000 psi]**
Rated flow	**11 l/min [3 US gpm]**
Leakage	300 ml/min [18 in³/min] @ 350 bar [5000 psi]
Weight	0.17 kg [0.38 lb]
Cavity	SDC10-4

PERFORMANCE CURVES



A-Port 3 to 4 or port 3 to 2 • **B**-Port 4 to 1 or port 2 to 1

MODEL CODE

MRV14 - 10 - V - D - A - 3B

Seal Option

Code	Seal Kit
Omit-Buna-N	565805
V-Viton	889600

Actuator Option

O-Cartridge only (no actuator)
D-Lever (3-position detent)
D2-Lever (2-position detent)
E-Ball (3-position detent)
E2-Ball (2-position detent)
K-Knob (2-position, no detent)

Housing Material

Omit-No housing
A-Aluminum
S-Steel

Housing

Code	Ports	Aluminum Standard duty	Aluminum Heavy duty	Steel
0	No housing			
3B	3/8" BSP	02-179705		
6T	#6 SAE	02-168235		02-175137
8T	#8 SAE			02-175138
2G	1/4" BSP		02-185804	02-175139
3G	3/8" BSP		02-185805	02-175140
6H	#6 SAE		02-185802	
8H	#8 SAE		02-185803	

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