

# Directional Control Valves

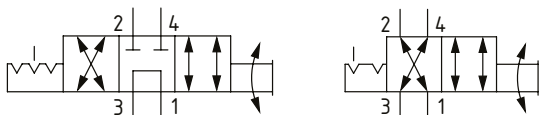
## MRV14-16

Manual Rotary Valve, 4-Way, Spool Type  
**350 bar [5000 psi] • 45 l/min [12 US gpm]**

### DESCRIPTION AND OPERATION

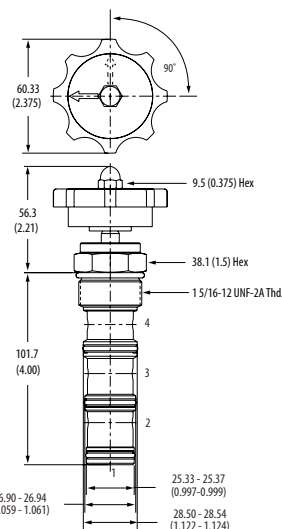
This is a 4-way, spool type, 2 or 3 position manually operated semi-rotary directional control valve. In the center position, port 1 is connected to port 3 and ports 2 and 4 are blocked. By rotating the manual actuator, the flow path will change from ports 3-2 and 1-4 to ports 3-4 and 1-2.

### SCHEMATIC



### DIMENSIONS

mm [in]

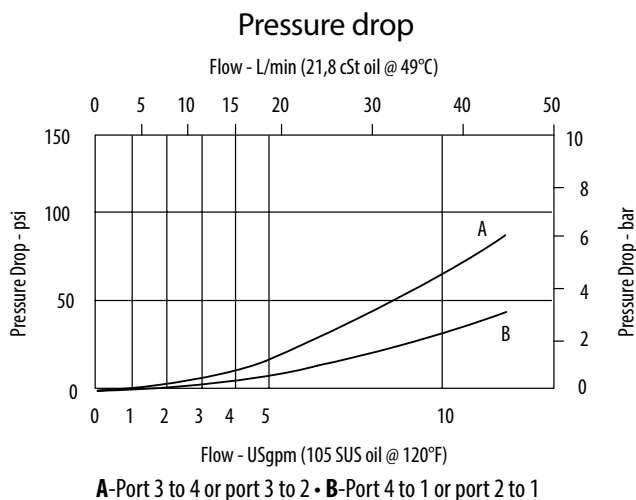


**Installation torque**  
**A-108-122 Nm [80-90 ft. lbs]**  
**S-136-149 Nm [100-110 ft. lbs]**

### PERFORMANCE DATA

<b>Rated pressure</b>	<b>350 bar [5000 psi]</b>
<b>Rated flow</b>	<b>45 l/min [12 US gpm]</b>
<b>Leakage</b>	300 ml/min [18 in <sup>3</sup> /min] @ 350 bar [5000 psi]
<b>Weight</b>	0.65 kg [1.43 lb]
<b>Cavity</b>	SDC16-4

### PERFORMANCE CURVES



### MODEL CODE

**MRV14 - 16 - V - 0 - A - 10T**

#### Seal Option

Code	Seal Kit
Omit-Buna-N	889634
V-Viton	889638

#### Actuator Option

- O**-Cartridge only (no actuator)
- D**-Lever (3-position detent)
- D2**-Lever (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
<b>0</b>	No housing			
<b>10T</b>	#10 SAE			02-175141
<b>12T</b>	#12 SAE	566411		02-175142
<b>6B</b>	3/4" BSP	02-175468		
<b>10H</b>	#10 SAE		876729	
<b>12H</b>	#12 SAE		876731	
<b>4G</b>	1/2" BSP		876728	02-175143
<b>6G</b>	3/4" BSP		876730	02-175144

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

\* Additional housings available