

# Directional Control Valves

## CP710-3

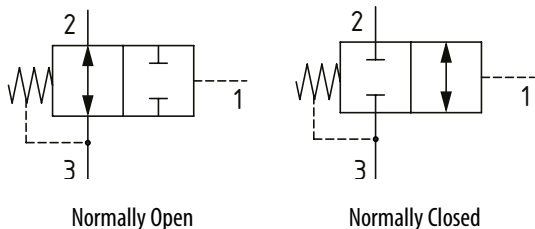
Directional Control Valve, 2-Way, Spool Type, Hydraulic Pilot, Internal Drain

210 bar [3000 psi] • 40 l/min [11 US gpm]

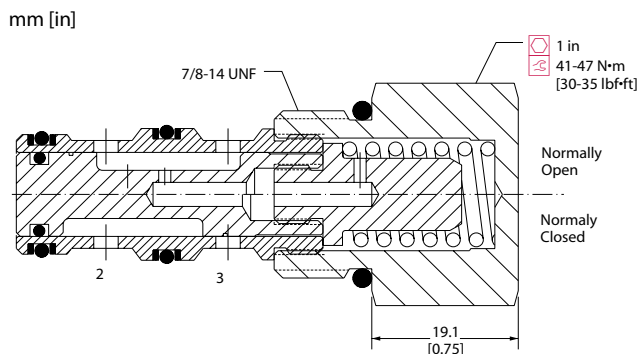
### DESCRIPTION AND OPERATION

This is a 2-way, spool type, hydraulically piloted directional control valve with internal drain. It is available in normally open or normally closed configurations between ports 2 and 3 that shift when pilot pressure is applied to port 1. Due to the internal drain, the pilot pressure required to shift the valve is dependent on the pressure in the line between port 2 and port 3.

### SCHEMATIC



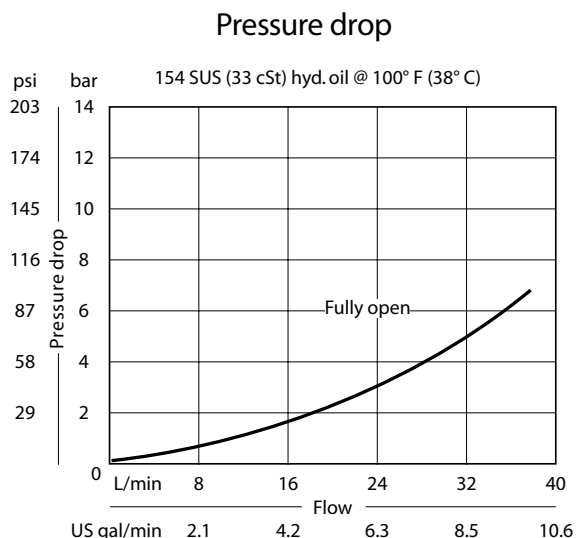
### DIMENSIONS



### PERFORMANCE DATA

Rated pressure	210 bar [3000 psi]
Rated flow @ 7 bar [100 psi]	40 l/min [11 US gpm]
Weight	0.13 kg [0.29 lb]
Cavity	SDC10-3

### PERFORMANCE CURVES



### MODEL CODE

**CP710 - 3 - B - 6S - C - 150 - S3**

#### Seal Option

Code	Seal kit
B-Buna-N	120009
V-Viton	120010

#### Housing

Code	Ports & Material	Housing Model Code
0	No Housing	
SE3B	AL, 3/8 BSP	SDC10-3-SE-3B
SE4B	AL, 1/2 BSP	SDC10-3-SE-4B
6S	AL, #6 SAE	CP10-3
8S	AL, #8 SAE	CP10-3

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

#### Spool Seal Option

S3-No Seal  
S4-Seal included

#### Shift Pressure

Code	Bar	[Psi]
150	10.3	[150]

Note: Shift pressure assumes no spool seal

#### Spool Configuration

0-Normally Open  
C-Normally Closed