

# Directional Control Valves

## CP710-3

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

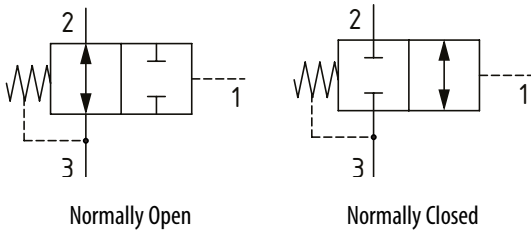
210 bar [3000 psi] • 40 l/min [11 US gpm]



### DESCRIPTION AND OPERATION

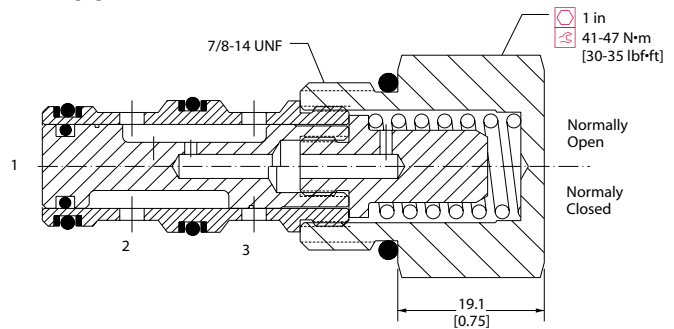
This is a 2-way, spool type, hydraulically piloted directional control valve with internal drain. It is available in normally open or normally closed configurations between ports 2 and 3 that shift when pilot pressure is applied to port 1. Due to the internal drain, the pilot pressure required to shift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

### SCHEMATIC



### DIMENSIONS

mm [in]

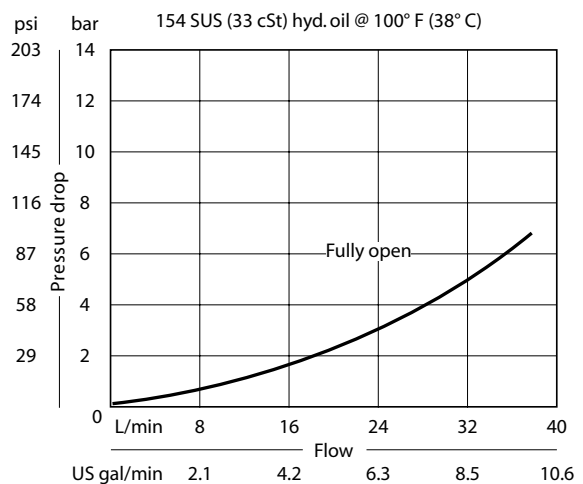


### PERFORMANCE DATA

|                              |                      |
|------------------------------|----------------------|
| 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

#### Pressure drop



### 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