Directional Control Valves

CP712-8

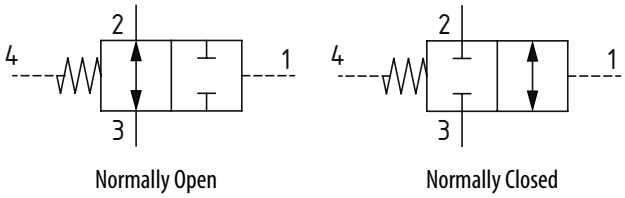
Directional Control Valve, 2-Way, Spool Type, Hydraulic Pilot, External Drain

210 bar [3000 psi] • 130 l/min [34 US gpm]

DESCRIPTION AND OPERATION

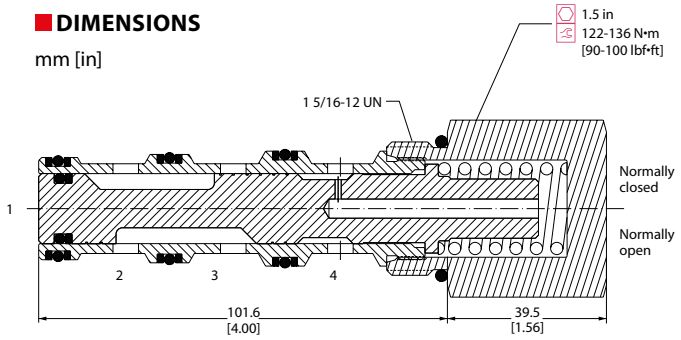
This is a 2-way, spool type, hydraulically piloted directional control valve with external drain. It is available in normally open or normally closed configurations between ports 2 and 3 that shift when pilot pressure is applied to port 1. Due to the external drain, the pilot pressure required shift the valve is dependent on the pressure in port 4, which would normally be connected to tank.

SCHEMATIC



DIMENSIONS

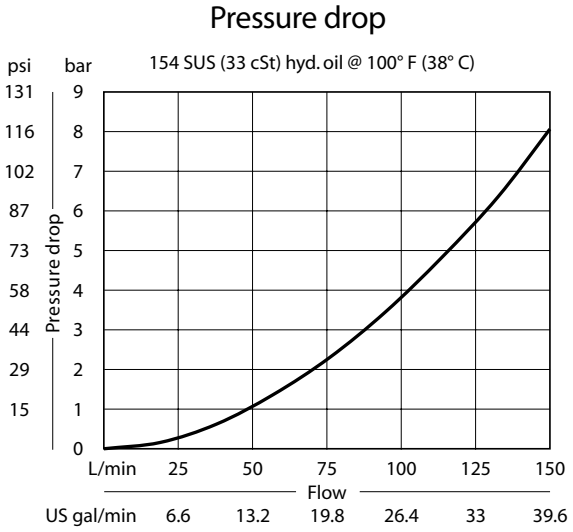
mm [in]



PERFORMANCE DATA

Rated pressure	**210 bar [3000 psi]**
Rated flow @ 7 bar [100 psi]	**130 l/min [34 US gpm]**
Weight	0.61 kg [1.34 lb]
Cavity	SDC16-4

PERFORMANCE CURVES



MODEL CODE

CP712 - 8 - B - 16S - C - 080 - S3

Seal Option

Code	Seal kit
B-Buna-N	120025
V-Viton	120026

Housing

Code	Ports & Material	Housing Model Code
0	No Housing	
6B	AL, 3/4 BSP	CP16-4-6B
8B	AL, 1 BSP	CP16-4-8B
12S	AL, #12 SAE	CP16-4-12S
16S	AL, #16 SAE	CP16-4-16S

* 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]
040	2.8	[40]
080	5.5	[80]
150	10.3	[150]

Note: Shift pressure assumes no spool seal

Spool Configuration

O-Normally Open
C-Normally Closed