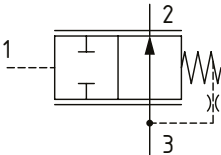


DESCRIPTION AND OPERATION

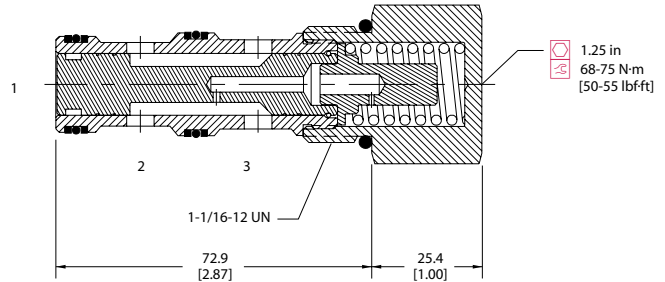
This is a 3-ported spool valve, where port 3 is connected to port 2 and port 1 is the pilot port. The spring chamber is connected to port 3 through an orifice. When port 3 is connected to the outlet of a control orifice, the valve functions as a restrictive pressure compensator. When the pressure drop across the orifice is equal to the spring set pressure, the spool restricts flow from port 3 to port 2 and compensates for any change in pressure difference across the valve.

SCHEMATIC



DIMENSIONS

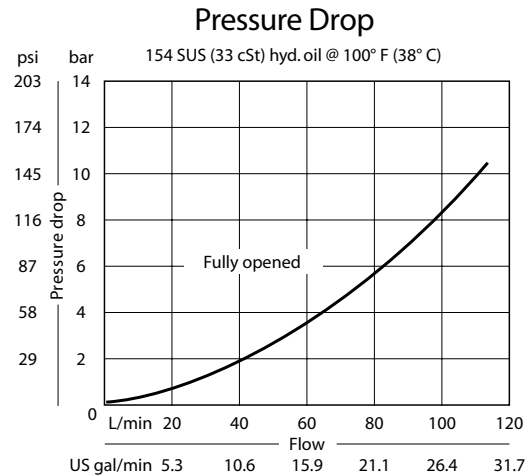
mm [in]



PERFORMANCE DATA

Rated pressure	210 bar [3000 psi]
Rated flow	90 l/min [24 US gpm]
Weight	0.30 kg [0.67 lb]
Cavity	CP12-3

PERFORMANCE CURVES



MODEL CODE

CP301 - 4 - B - 10S - 0 - 050

Seal Option

Code	Seal kit
B-Buna - N	120053
V-Viton	120052

Housing

Code	Ports & Material	Housing Model Code
0	No Housing	
10S	AL, #10 SAE	CP12-3-10S
12S	AL, #12 SAE	CP12-3-12S
4B	AL, 1/2 BSP	CP12-3-4B
6B	AL, 3/4 BSP	CP12-3-6B

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

* Additional housings available

Differential Pressure

Code	Bar	Psi
050	3.5	[50]
080	5.5	[80]
100	6.9	[100]
150	10.3	[150]
190	13.1	[190]

Spool Seal Option

0 - No Seal
S - Seal included