

Logic Elements

CP302-4

Pressure Compensator, Restrictive Type

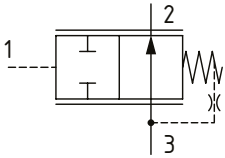
210 bar [3000 psi] • 130 l/min [34 US gpm]



DESCRIPTION AND OPERATION

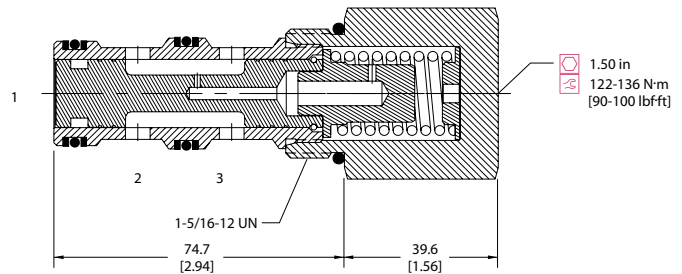
This is a 3-ported spool valve, where port 3 is connected to port 2 and port 1 is the pilot port. The spring chamber is connected to port 3 through an orifice. When port 3 is connected to the outlet of a control orifice and port 1 is connected upstream of the orifice, the valve functions as a restrictive 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]

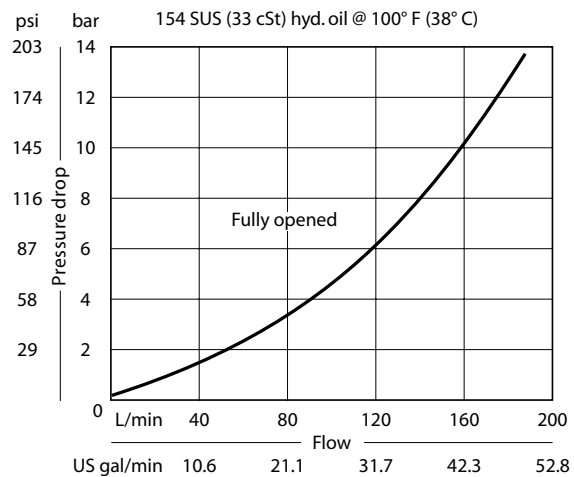


PERFORMANCE DATA

Rated pressure	210 bar [3000 psi]
Rated flow	130 l/min [34 US gpm]
Weight	0.56 kg [1.24 lb]
Cavity	SDC16-3

PERFORMANCE CURVES

Pressure Drop



MODEL CODE

CP302 - 4 - B - 16S - 0 - 040

Seal Option

Code	Seal kit
B-Buna - N	120202
V-Viton	120203

Housing

Code	Ports & Material	Housing Model Code
0	No Housing	
HE6B	AL, 3/4 BSP	SDC16-3-HE-6B
HE8B	AL, 1 BSP	SDC16-3-HE-8B
12S	AL, #12 SAE	CP16-3-12S
16S	AL, #16 SAE	CP16-3-16S

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

* Additional housings available

Differential Pressure

Code	Bar	Psi
040	2.8	[40]
080	5.5	[80]
100	6.9	[100]
150	10.3	[150]
230	15.9	[230]

Spool Seal Option

0 - No seal
5 - Seal included