

Flow Control Valves

CP308-1

Flow Control, Fixed, Pressure Compensated, Restrictive Type

210 bar [3000 psi] • 15 l/min [4 US gpm]



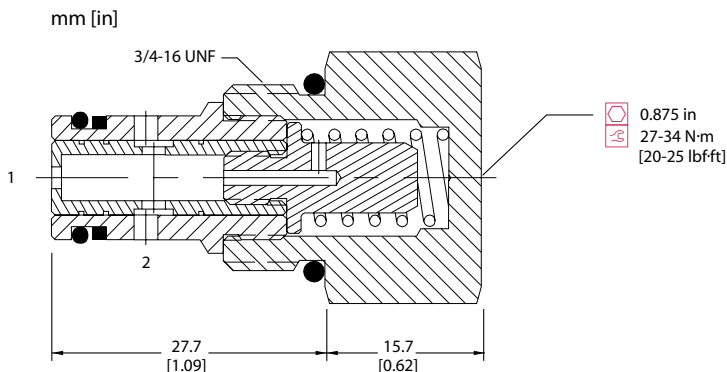
DESCRIPTION AND OPERATION

This is a fixed, restrictive type, pressure compensated flow control valve, where the flow from port 2 will remain constant regardless of the pressure difference across the valve. Flow enters at port 1 and passes across a fixed orifice in the spool, which creates a pressure drop. This causes the spool to move back against the spring, which then restricts the outlet flow.

SCHEMATIC



DIMENSIONS

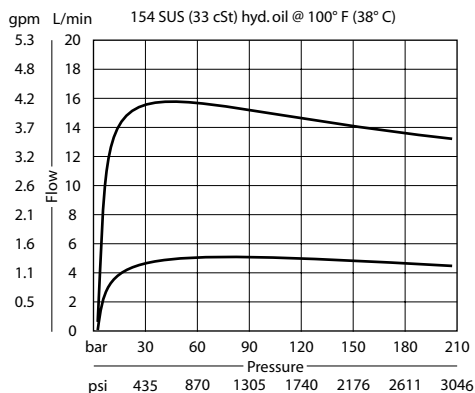


PERFORMANCE DATA

Rated pressure	210 bar [3000 psi]
Rated flow	15 l/min [4 US gpm]
Flow Range	0.4-15.0 l/min [0.1-4.0 US gpm]
Flow Accuracy	0.4-1.88 l/min [0.1-0.49 US gpm] ± 20%
	1.89-5.67 l/min [0.5-1.49 US gpm] ± 15%
	5.68-15.1 l/min [1.5-4.0 US gpm] ± 10%
Weight	0.08 kg [0.17 lb]
Cavity	SDC08-2

PERFORMANCE CURVES

Flow Compensation



MODEL CODE

CP308 - 1 - B - 6S - 1.0

Seal Option

Code	Seal Kit
B-Buna - N	120221
V-Viton	120022

Flow Setting

Code - Flow in US gpm
Specify in 0.1 gpm increments within flow range
Example

Code	l/min	[US gpm]
1.0	4.0	1.0

Housing

Code	Ports & Material	Housing Model Code
0	No Housing	No Housing
DG2B	AL, 1/4 BSP	SDC08-2-DG-2B
DG3B	AL, 3/8 BSP	SDC08-2-DG-3B
4S	AL, #4 SAE	CP08-2-4S
6S	AL, #6 SAE	CP08-2-6S

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

* Additional housings available