

# Flow Control Valves

## CP308-2

Flow Control, Partially Adjustable, Pressure Compensated, Restrictive Type

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

### DESCRIPTION AND OPERATION

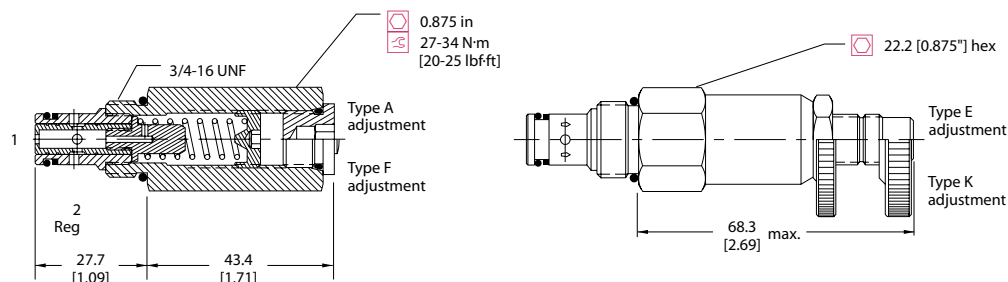
This is a partially adjustable, restrictive type, pressure compensated flow control valve, where the flow from port 2 will remain constant regardless of the pressure difference across the valve. Flow enters at port 1 and passes across a fixed orifice in the spool, which creates a pressure drop. This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

### SCHEMATIC



### DIMENSIONS

mm [in]

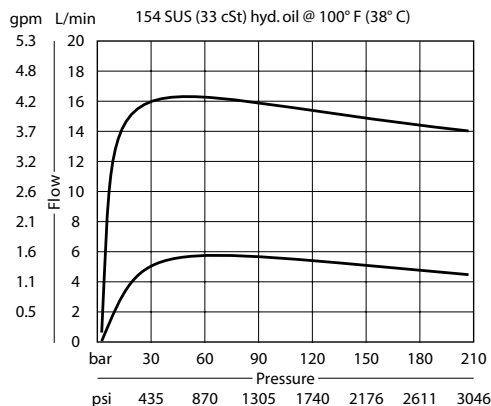


### PERFORMANCE DATA

<b>Rated pressure</b>	<b>210 bar [3000 psi]</b>
<b>Rated flow</b>	<b>15 l/min [4 US gpm]</b>
<b>Flow range</b>	0.4-15.1 l/min [0.1-4 US gpm]
	0.4-1.88 l/min [0.1-0.49 US gpm] ± 20%
<b>Flow accuracy</b>	1.89-5.67 l/min [0.5-1.49 US gpm] ± 15%
	5.68-15 l/min [1.5-4 US gpm] ± 10%
<b>Flow Adjustment Range</b>	± 25% of nominal setting
<b>Weight</b>	0.15 kg [0.32 lb]
<b>Cavity</b>	SDC08-2

### PERFORMANCE CURVES

#### Flow Compensation



### MODEL CODE

**CP308 - 2 - B - 6S - A - 4.0**

#### Seal Option

Code	Seal Kit
<b>B</b> -Buna - N	120221
<b>V</b> -Viton	120222

#### Housing

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

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

#### Flow Setting

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

Code	l/min	[US gpm]
<b>4.0</b>	15.1	[4.0]

#### Adjustment Option

**A** - Internal  
**E** - External  
**F** - Tamper resistant  
**K** - Knob