



# Flow Control Valves Technical Information

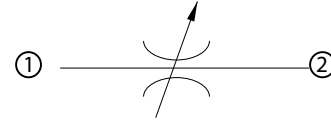
## Needle Valve, Bi-Directional

### CP618-1

#### OPERATION

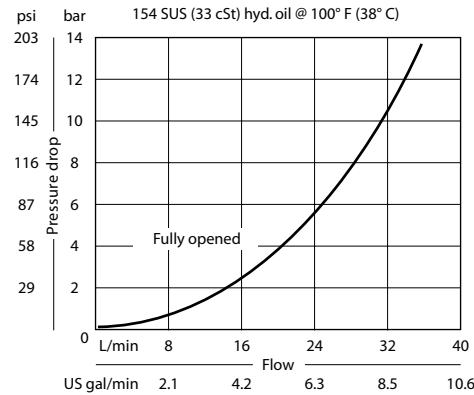
This valve is a non-pressure compensated, adjustable flow control valve.

#### Schematic



#### SPECIFICATIONS

#### Theoretical performance



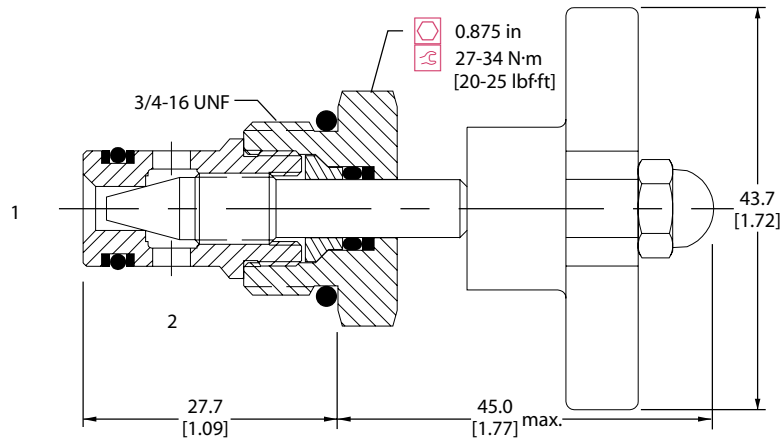
#### Specifications

<b>Rated pressure</b>	210 bar [3000 psi]
<b>Rated flow at 7 bar [100 psi]</b>	25 l/min [7 US gal/min]
<b>Leakage</b>	6 drops/min @ Rated pressure
<b>Weight</b>	0.07 kg [0.15 lb]
<b>Cavity</b>	<b>SDC08-2</b>

#### DIMENSIONS

mm in

#### Cross-sectional view



#### ORDERING INFORMATION

CP618 - 1 - B - 6S - B

<b>Seals</b>		<b>Seal kit</b>		<b>Knob option</b>
B = Buna-N		120227		B = Black
V = Viton		120228		R = Red
<b>Housing and ports</b>		<b>Housing P/N</b>		
0 = No Housing		No Housing		
DG2B = AL, 1/4 BSP		SDC08-2-DG-2B		
DG3B = AL, 3/8 BSP		SDC08-2-DG-2B		
DG4S = AL, #4 SAE		CP08-2-4S		
DG6S = AL, #6 SAE		CP08-2-6S		
Other housings available				