



Flow Control Valves Technical Information

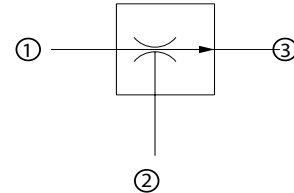
Fixed Setting, Priority Type

CP310-1

OPERATION

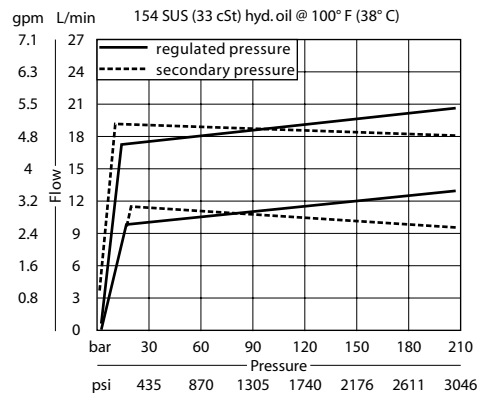
This valve is a fixed, pressure compensated priority-type flow control valve.

Schematic



SPECIFICATIONS

Theoretical performance



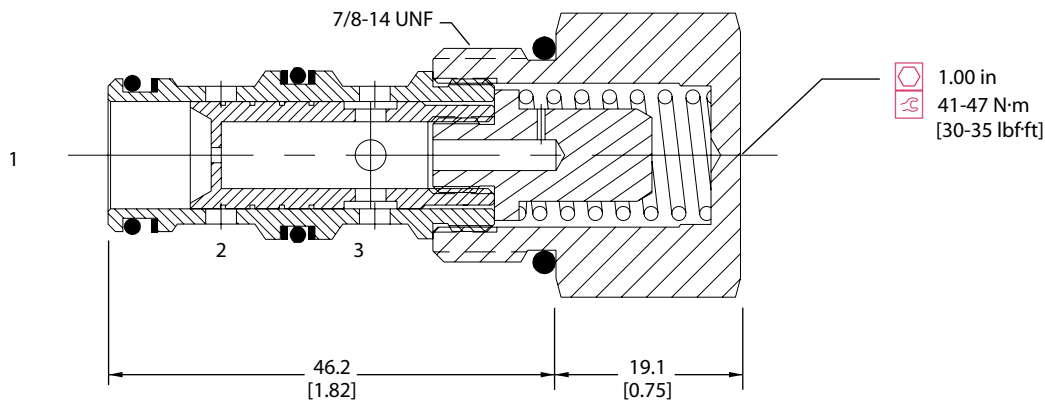
Specifications

| | |
|--------------------|--|
| Rated pressure | 210 bar [3000 psi] |
| Max regulated flow | 23 l/min [6 US gal/min] |
| Max inlet flow | 38 l/min [10 US gal/min] |
| Weight | 0.13 kg [0.29 lb] |
| Accuracy ± 20% | 0.4- 1.88 l/min [0.1-0.49 US gal/min] |
| ± 15% | 1.89-5.67 l/min [0.5-1.49 US gal/min] |
| ± 10% | 5.68-22.7 l/min [1.5-6 US gal/min] |
| Cavity | SDC10-3 |

DIMENSIONS

mm in

Cross-sectional view



ORDERING INFORMATION

Seals

B = Buna-N
V = Viton

Housing and ports

00 = No Housing
SE3B = Al, 3/8 BSP
SE4B = Al, 1/2 BSP
6S = Al, #6 SAE
8S = Al, #8 SAE
Other housings available

Seal kit

120240
11043064

Housing P/N

No Housing
SDC10-3-SE-3B
SDC10-3-SE-4B
CP10-3-6S
CP10-3-8S

CP310-1-B-8S-2.5

Regulated Flow

| | L/min | [US gal/m] |
|-----|--------|------------|
| 0.1 | = 0.4 | [0.1] |
| 6.0 | = 22.7 | [6.0] |