

# Relief Valves

## CP210-1

Relief Valve, Direct Acting, Spool Type

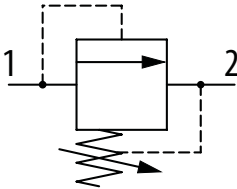
210 bar [3000 psi] • 45 l/min [12 US gpm]



### DESCRIPTION AND OPERATION

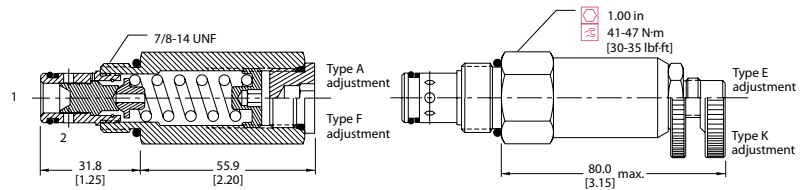
This is a direct acting spool, type relief valve that relieves from port 1 to 2. It has been designed to give stable performance at lower pressure and can be used as a purge relief, bypass filter elements or in applications that require better control.

### SCHEMATIC



### DIMENSIONS

mm [in]

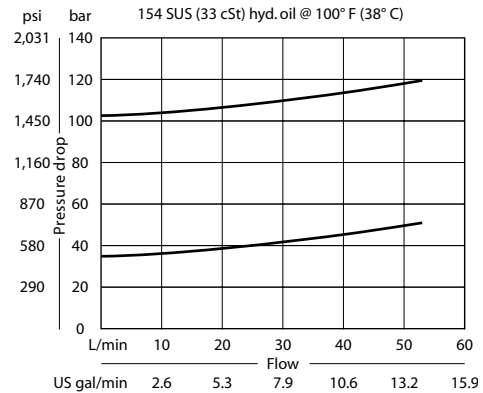


### PERFORMANCE DATA

|                |                                                              |
|----------------|--------------------------------------------------------------|
| Rated pressure | 210 bar [3000 psi]                                           |
| Rated flow     | 45 l/min [12 US gpm]                                         |
| Leakage        | 82 ml/min [5 in <sup>3</sup> /min] @ 80% of Pressure Setting |
| Weight         | 0.22 kg [0.48 lb]                                            |
| Cavity         | SDC10-2                                                      |

### PERFORMANCE CURVES

#### Pressure Override



### MODEL CODE

CP210 - 1 - B - 6S - A - C - 075

#### Seal Option

| Code       | Seal kit |
|------------|----------|
| B-Buna - N | 120015   |
| V-Viton    | 120016   |

#### Housing

| Code | Ports & Material | Housing Model Code |
|------|------------------|--------------------|
| 0    | No Housing       | No Housing         |
| DG3B | AL, 3/8 BSP      | SDC10-2-DG-3B      |
| DG4B | AL, 1/2 BSP      | SDC10-2-DG-4B      |
| 6S   | AL, #6 SAE       | CP10-2-6S          |
| 8S   | AL, #8 SAE       | CP10-2-8S          |

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

\*Additional housings available

#### Adjustment Option

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

#### Pressure Setting

Example:

Code x10 - Pressure setting in psi (50 psi increments within specified Pressure Range)  
XXX-Standard setting (see Pressure Range for value)

| Code | Bar | Psi   |
|------|-----|-------|
| 075  | 52  | [750] |

#### Pressure Range

| Code                  | Bar           | Psi                  |
|-----------------------|---------------|----------------------|
| A<br>Standard Setting | 3.4-28<br>17  | [50-400]<br>[250]    |
| B<br>Standard Setting | 5.5-55<br>28  | [80-800]<br>[400]    |
| C<br>Standard Setting | 6.9-97<br>52  | [100-1400]<br>[750]  |
| D<br>Standard Setting | 34-166<br>103 | [500-2400]<br>[1500] |