

Relief Valves

CP211-1

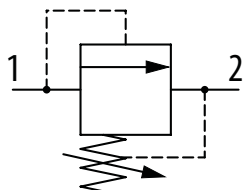
Relief Valve, Direct Acting, Spool Type

210 bar [3000 psi] • 76 l/min [20 US gpm]

DESCRIPTION AND OPERATION

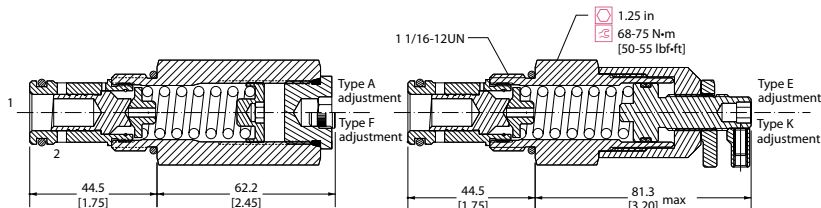
This is a direct acting spool, type relief valve that relieves from port 1 to 2. It has been designed to give stable performance at lower pressure and can be used as a purge relief, bypass filter elements or in applications that require better control.

SCHEMATIC



DIMENSIONS

mm [in]

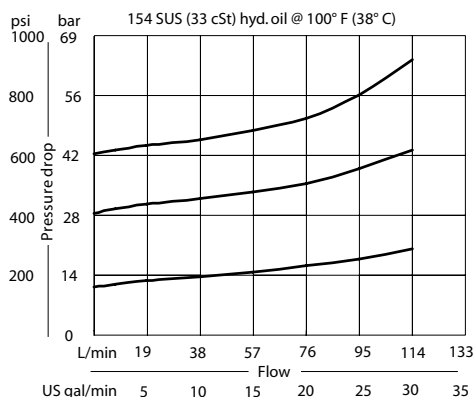


PERFORMANCE DATA

| | |
|-----------------------------|--|
| Rated pressure | 210 bar [3000 psi] |
| Rated flow | 76 l/min [20 US gpm] |
| Max Pressure Setting | 41 bar [600 psi] |
| Leakage | 82 ml/min [5 in ³ /min] @ 80% of Pressure Setting |
| Weight | 0.41 kg [0.90 lb] |
| Cavity | CP12-2 |

PERFORMANCE CURVES

Pressure Override



MODEL CODE

CP211 - 1 - B - 10S - A - C - 040

Seal Option

| Code | Seal kit |
|--------------------|----------|
| B -Buna - N | 120017 |
| V -Viton | 120018 |

Housing

| Code | Ports & Material | Housing Model Code |
|------------|------------------|--------------------|
| 0 | No Housing | No Housing |
| 4B | AL, 1/2 BSP | CP12-2-4B |
| 6B | AL, 3/4 BSP | CP12-2-6B |
| 10S | AL, #10 SAE | CP12-2-10S |
| 12S | AL, #12 SAE | CP12-2-12S |

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

*Additional housings available

Pressure Setting

Example:

| Code x10 - Pressure setting in psi (50 psi increments within specified Pressure Range) | Code | Bar | Psi |
|--|------|-------|-----|
| 040 | 28 | [400] | |

XXX-Standard setting (see Pressure Range for value)

Pressure Range

| Code | Bar | Psi |
|------------------|--------|----------|
| A | 0-10.3 | [0-150] |
| Standard Setting | 7 | [100] |
| B | 3.4-34 | [50-400] |
| Standard Setting | 21 | [300] |
| C | 5.2-41 | [80-600] |
| Standard Setting | 28 | [400] |

Adjustment Option

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