

# Pressure Reducing Valves

## CP230-4

Pressure Reducing, Non-Relieving, Pilot Operated

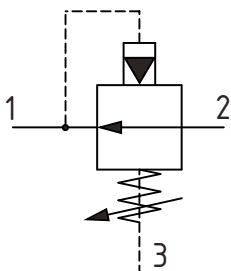
350 bar [5000 psi] • 40 l/min [11 US gpm]



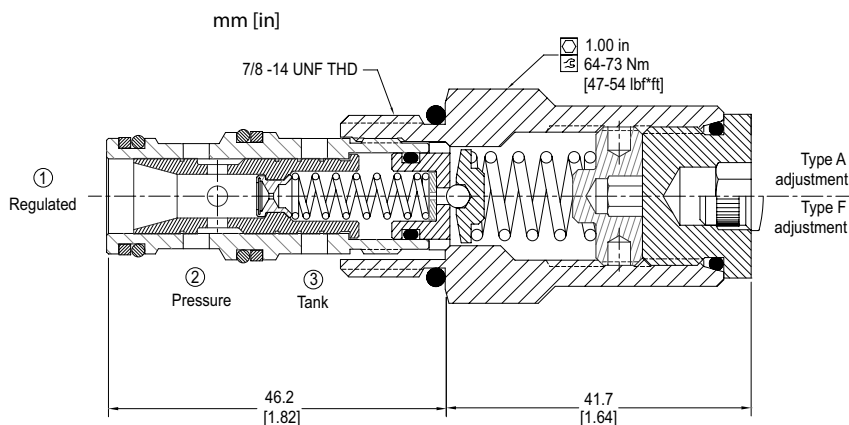
### DESCRIPTION AND OPERATION

This is a normally open, pilot operated pressure reducing valve. Port 2 is open to port 1 until the setting is reached at which time the valve throttles the outlet flow limiting the pressure. Port 3 is a drain port only, as the valve does not contain a relief function. This valve, is ideal for stable and precise control of a secondary pressure within a circuit.

### SCHEMATIC



### DIMENSIONS

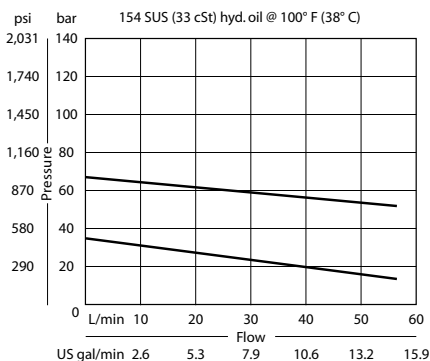


### PERFORMANCE DATA

|                              |                      |
|------------------------------|----------------------|
| Rated pressure               | 350 bar [5000 psi]   |
| Rated flow @ 7 bar [100 psi] | 40 l/min [11 US gpm] |
| Weight                       | 0.20 kg [0.43 lb]    |
| Cavity                       | SDC10-3              |

### PERFORMANCE CURVES

#### Pressure Override



### MODEL CODE

CP230 - 4 - B - 6S - A - C - 150

#### Seal Option

| Code        | Seal Kit |
|-------------|----------|
| B - Buna -N | 120027   |
| V-Viton     | 120028   |

#### Housing

| Code | Ports & Material | Housing Model Code |
|------|------------------|--------------------|
| 00   | No Housing       | No Housing         |
| SE3B | Al. 3/8 BSP      | SDC10-3-SE-3B      |
| SE4B | Al. 1/2 BSP      | SDC10-3-SE-4B      |
| 6S   | Al. #6 SAE       | CP10-3-6S          |
| 8S   | Al. #8 SAE       | CP10-3-6S          |

\* 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

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

| Code | Bar | Psi    |
|------|-----|--------|
| 150  | 103 | [1500] |

#### Pressure Setting

| Code             | Bar    | Psi        |
|------------------|--------|------------|
| A                | 14-55  | [200-800]  |
| Standard Setting | 28     | [400]      |
| B                | 21-103 | [300-1500] |
| Standard Setting | 69     | [1000]     |
| C                | 28-210 | [400-3000] |
| Standard Setting | 103    | [1500]     |
| D                | 28-350 | [400-5000] |
| Standard Setting | 103    | [1500]     |