

# Check Valves

## CP103-2

Check Valve, Reverse Direction  
**350 bar [5000 psi] • 265 l/min [70 US gpm]**

### DESCRIPTION AND OPERATION

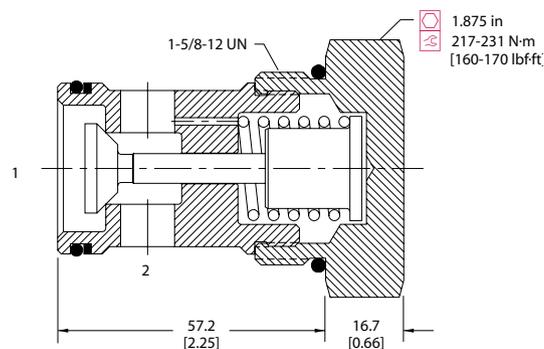
This is a check valve where free flow takes place from port 2 to 1 and is blocked from port 1 to 2.

### SCHEMATIC



### DIMENSIONS

mm [in]

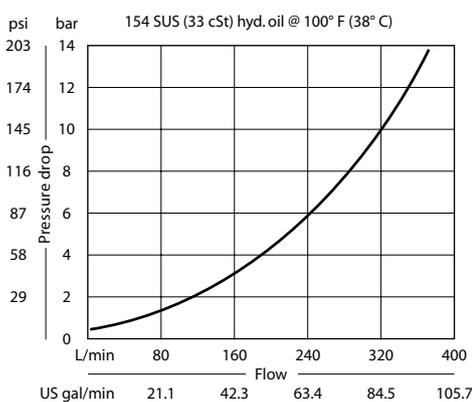


### PERFORMANCE DATA

|                                      |                                  |
|--------------------------------------|----------------------------------|
| <b>Rated pressure</b>                | <b>350 bar [5000 psi]</b>        |
| <b>Rated flow at 7 bar [100 psi]</b> | <b>265 l/min [70 US gpm]</b>     |
| Leakage                              | 6 drops/min @ 210 bar [3000 psi] |
| Weight                               | 0.54 kg [1.20 lb]                |
| Cavity                               | SDC20-2                          |

### PERFORMANCE CURVES

#### Pressure drop



### MODEL CODE

**CP103 - 2 - B - 16S - 005**

#### Seal Option

| Code     | Seal kit |
|----------|----------|
| B-Buna-N | 120011   |
| V-Viton  | 120012   |

#### Crack Pressure

| Code | Bar  | Psi   |
|------|------|-------|
| 005  | 0.34 | [5]   |
| 015  | 1.0  | [15]  |
| 030  | 2.1  | [30]  |
| 050  | 3.4  | [50]  |
| 065  | 4.5  | [65]  |
| 100  | 6.9  | [100] |

#### Housing

| Code | Ports & Material | Housing Model Code |
|------|------------------|--------------------|
| 0    | No Housing       | No Housing         |
| 8B   | Al,1 BSP         | CP20-2-8B          |
| 10B  | Al,1-1/4 BSP     | CP20-2-10B         |
| 16S  | Al,#16 SAE       | CP20-2-16S         |
| 20S  | Al,#20 SAE       | CP20-2-20S         |

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