



# Check Valves Technical Information

## Poppet Type, Normal Direction

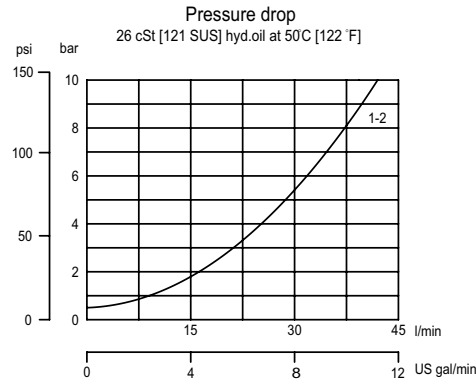
### CV08-NP

#### OPERATION

This valve allows free flow from 1 to 2 and blocks flow from 2 to 1.

#### SPECIFICATIONS

#### Theoretical performance



#### Schematic



#### Specifications

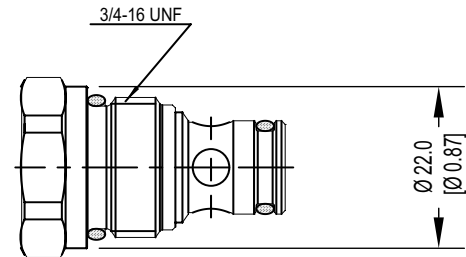
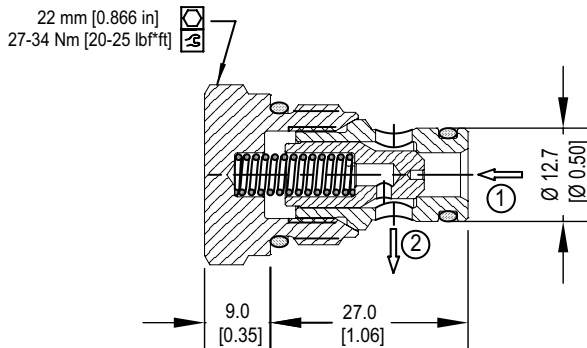
|                               |                              |
|-------------------------------|------------------------------|
| Rated pressure*               | 350 bar [5075 psi]           |
| Rated flow at 7 bar [100 psi] | 38 l/min [10 US gal/min]     |
| Leakage                       | 6 drops/min @ Rated pressure |
| Weight                        | 0.05 kg [0.11 lb]            |
| Cavity                        | <b>SDC08-2</b>               |

\*Rated pressure based on NFPA fatigue test standard (at 1 million cycles)

#### DIMENSIONS

mm in

#### Cross-sectional view



#### ORDERING INFORMATION

CV08-NP-0.3-B-00

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| Crack Pressure |                   |
|----------------|-------------------|
| 0.3            | 0.3 bar [5 psi]   |
| 1              | 1.0 bar [15 psi]  |
| 2              | 2.0 bar [30 psi]  |
| 5              | 5.0 bar [73 psi]  |
| 7              | 7.0 bar [100 psi] |

| Code | Ports & Material    | Body Nomenclature |
|------|---------------------|-------------------|
| 00   | 00 = Cartridge only | No Body           |
| DG2B | Al, 1/4 BSP         | SDC08-2-DG-2B     |
| DG3B | Al, 3/8 BSP         | SDC08-2-DG-3B     |
| 4S   | Al, #4 SAE          | CP08-2-4S         |
| 6S   | Al, #6 SAE          | CP08-2-6S         |

\*\*Aluminum bodies are to be used for pressures less than 210 bar (3000 psi)  
\*\*\*Other housings available

| Seal Option | Seal Kit |
|-------------|----------|
| B = Buna-N  | 120221   |
| V = Viton   | 120222   |