



# Pilot Operated Check Valves Technical Information

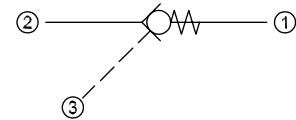
## Reverse Pilot to Open

### MC10-RO

#### OPERATION

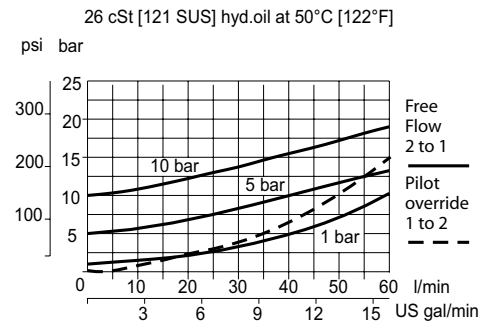
This is a pilot-to-open check valve.

#### Schematic



#### SPECIFICATIONS

##### Theoretical performance



##### Specifications

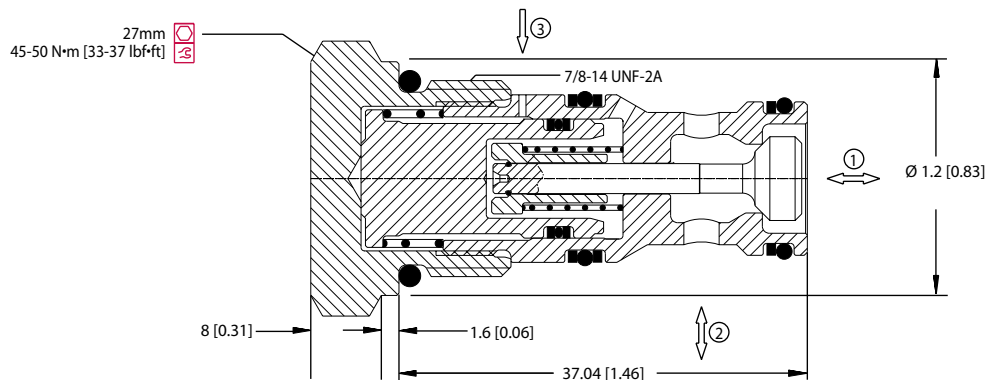
|                               |                              |
|-------------------------------|------------------------------|
| Rated pressure                | 250 bar [3600 psi]           |
| Rated flow at 7 bar [100 psi] | 45 l/min [12 US gal/min]     |
| Leakage                       | 6 drops/min @ Rated pressure |
| Weight                        | 0.12 kg [0.26 lb]            |
| Pilot ratio                   | 3.0:1                        |
| Cavity                        | SDC10-3S                     |

Note: A piston seal requires a 4.5 bar [65 psi] or greater return spring.

#### DIMENSIONS

mm [in]

##### Cross-sectional view



P103 753

#### ORDERING INFORMATION

##### MC10-RO-5-OR-A-B-6S

##### Crack Pressure

1 = 1 bar [15 psi]  
5 = 5 bar [73 psi]  
10 = 10 bar [145 psi]

##### Piston seals

Omit = No seal  
OR = Seals included

##### Housing and ports

00 = No Housing  
SE3B = Al, 3/8 BSP  
SE4B = Al, 1/2 BSP  
6S = Al, #6 SAE  
8S = Al, #8 SAE  
Other housings available

##### Seals

B = Buna-N  
V = Viton

##### Seal kit

35401419  
35401519

##### Housing P/N

No Housing  
SDC10-3S-SE-3B  
SDC10-3S-SE-4B  
SDC10-3S-6S/6S  
SDC10-3S-8S/6S