



# Pilot Operated Check Valves Technical Information

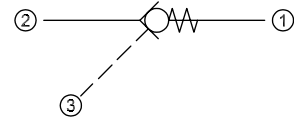
## Reverse Pilot to Open

### MC10-RO

#### OPERATION

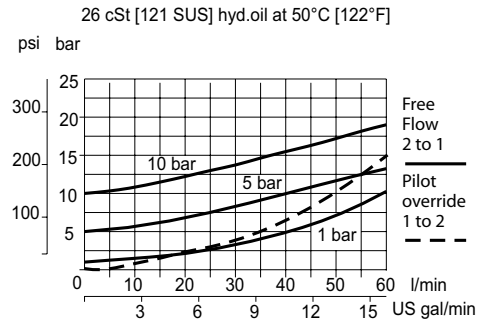
This is a pilot-to-open check valve.

#### Schematic



#### SPECIFICATIONS

#### Theoretical performance



#### Specifications

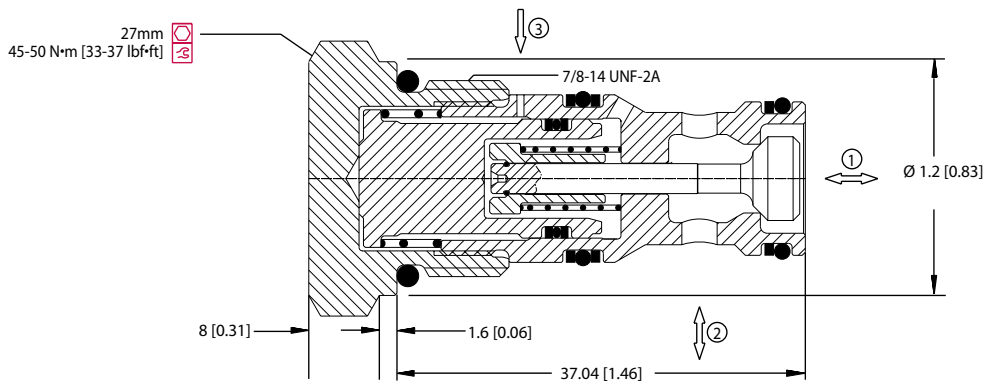
<b>Rated pressure</b>	250 bar [3600 psi]
<b>Rated flow at 7 bar [100 psi]</b>	45 l/min [12 US gal/min]
<b>Leakage</b>	6 drops/min @ Rated pressure
<b>Weight</b>	0.12 kg [0.26 lb]
<b>Pilot ratio</b>	3.0:1
<b>Cavity</b>	<b>SDC10-3S</b>

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

#### Housing P/N

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

**Seals Seal kit**  
B = Buna-N 35401419  
V = Viton 35401519