



# Pilot Operated Check Valves Technical Information

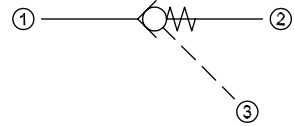
## Pilot to Close

### CP461-1

### OPERATION

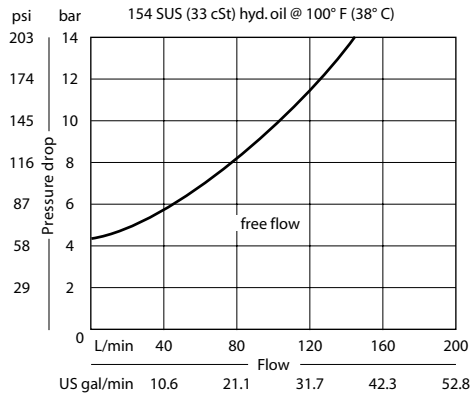
This valve is a pilot-to-close check valve.

### Schematic



### SPECIFICATIONS

#### Theoretical performance



#### Specifications

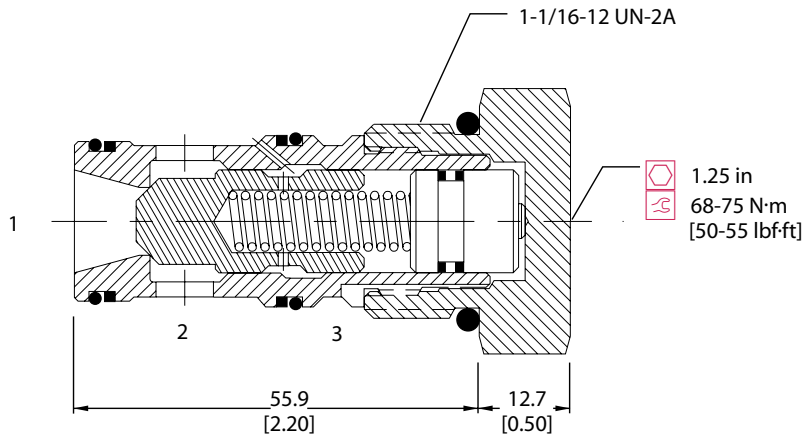
<b>Rated pressure</b>	210 bar [3000 psi]
<b>Rated flow at 7 bar [100 psi]</b>	60 l/min [16 US gal/min]
<b>Leakage</b>	6 drops/min @ Rated pressure
<b>Weight</b>	0.21 kg [0.47 lb]
<b>Pilot ratio</b>	2.3:1
<b>Cavity</b>	<b>CP12-3S</b>

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

### DIMENSIONS

mm [in]

#### Cross-sectional view



### ORDERING INFORMATION

**CP461 - 1 - B - 12S - 065 - 0**

#### Seals

B = Buna-N  
V = Viton

Seal kit  
120335  
120336

#### Piston seals

0 = No seals  
S = Seals included

#### Housing and ports

0 = No Housing  
4B = Al, 1/2 BSP  
6B = Al, 3/4 BSP  
10S = Al, #10 SAE  
12S = Al, #12 SAE

#### Housing P/N

No Housing  
CP12-3S-4B/2B  
CP12-3S-6B/2B  
CP12-3S-10S/4S  
CP12-3S-12S/4S

Other housings available

#### Crack Pressure

bar [psi]  
065 = 4.48 [65]