



Pilot Operated Check Valves Technical Information

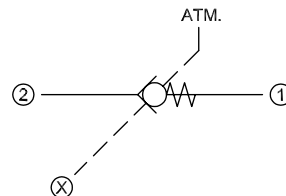
Reverse Pilot to Open with Vent

CP453-5

OPERATION

This is a pilot-to-open check valve with an external pilot connection.

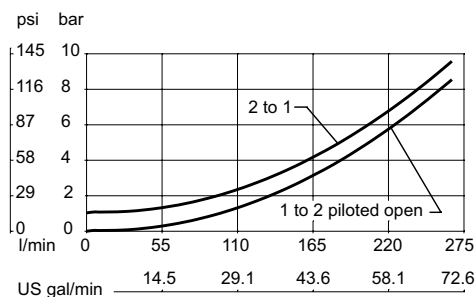
Schematic



SPECIFICATIONS

Theoretical performance

33 cSt [154 SUS] hyd.oil @ 38°C [100° F]



Specifications

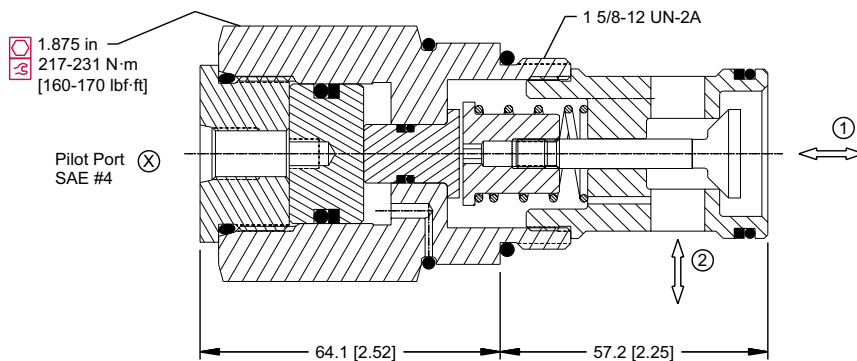
Rated pressure	350 bar [5075 psi]
Rated flow at 7 bar [100 psi]	250 l/min [66 US gal/min]
Leakage	6 drops/min @ Rated pressure
Weight	1.23 kg [2.71 lb]
Pilot ratio	4:1
Cavity	SDC20-2

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

DIMENSIONS

mm [in]

Cross-sectional view



ORDERING INFORMATION

Seals

B = Buna-N 120011
V = Viton 120012

Housing and ports

0 = No Housing
8B = AL, 1 BSP
10B = AL, 1-1/4 BSP
16S = AL, #16 SAE
20S = AL, #20 SAE
Other housings available

CP453-5-B-16S-4-065

Housing P/N

No Housing
CP20-2-8B
CP20-2-10B
CP20-2-16S
CP20-2-20S

Crack Pressure

bar [psi]
065 = 4.3 65
100 = 6.9 100

Pilot ratio

4 = 4:1