



Pilot Operated Check Valves Technical Information

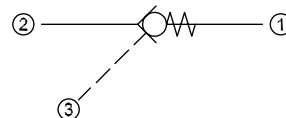
Reverse Pilot to Open

CP451-2

OPERATION

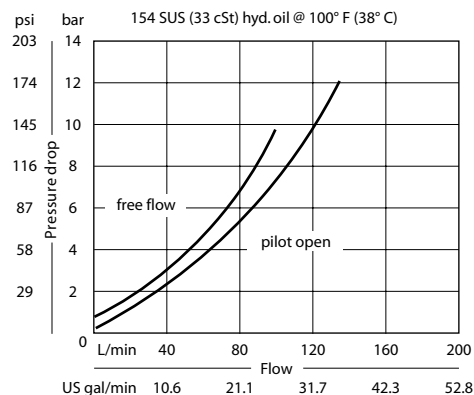
This valve is a pilot-to-open check valve.

Schematic



SPECIFICATIONS

Theoretical performance



Specifications

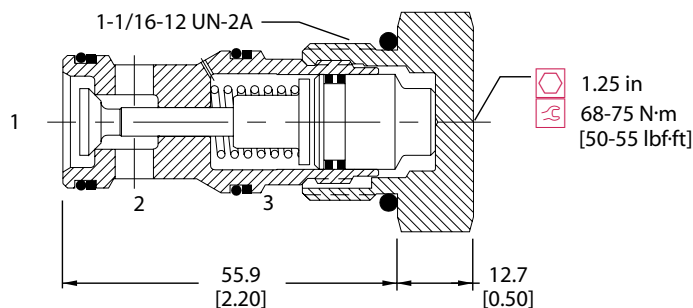
Rated pressure	210 bar [3000 psi]
Rated flow at 7 bar [100 psi]	95 l/min [25 US gal/min]
Leakage	6 drops/min @ Rated pressure
Weight	0.21 kg [0.46 lb]
Pilot ratio	3:1
Cavity	CP12-3S

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

DIMENSIONS

mm [in]

Cross-sectional view



ORDERING INFORMATION

CP451-2-B-12S-06S-0

Seals	Seal kit	Piston seals	Crack Pressure
B = Buna-N	120335	0 = No seals	bar [psi]
V = Viton	120336	S = Seals included	06S = 4.48 [65]
Housing and ports	Housing P/N		
0 = No Housing	No Housing		
4B = Al, 1/2 BSP	CP12-3S-4B/2B		
6B = Al, 3/4 BSP	CP12-3S-6B/2B		
10S = Al, #10 SAE	CP12-3S-10S/4S		
12S = Al, #12 SAE	CP12-3S-12S/4S		

Other housings available