



Pilot Operated Check Valves Technical Information

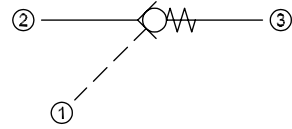
Pilot to Open

CP450-1

OPERATION

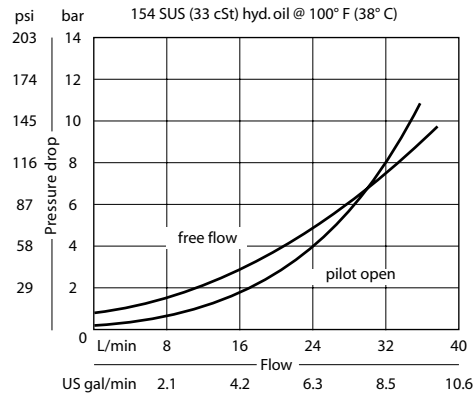
This valve is a pilot-to-open check valve.

Schematic



SPECIFICATIONS

Theoretical performance



Specifications

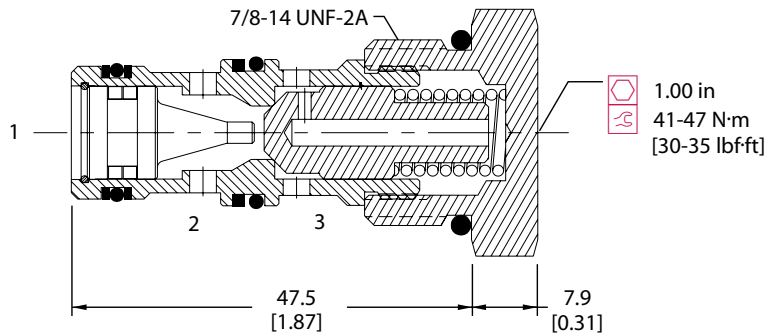
Rated pressure	240 bar [3480 psi]
Rated flow at 7 bar [100 psi]	30 l/min [8 US gal/min]
Leakage	6 drops/min @ Rated pressure
Weight	0.09 kg [0.20 lb]
Pilot ratio	3.0:1
Cavity	SDC10-3

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

DIMENSIONS

mm [in]

Cross-sectional view



ORDERING INFORMATION

CP450 - 1 - B - 8S - 015 - 0

Seals	Seal kit 120570 120571	Piston seals 0 = No seals S = Seals included
B = Buna-N V = Viton	Body and ports	Cracking Pressure
	0 = Cartridge 6S = Aluminum, #6 SAE 8S = Aluminum, #8 SAE SE3B = Aluminum, 3/8 BSP SE4B = Aluminum, 1/2 BSP	bar [psi] 065 = 4.48 [65] 115 = 7.90 [115] 200 = 13.8 [200] 315 = 21.8 [315]
	Body P/N No body CP10-3-6S CP10-3-8S SDC10-3-SE-3B SDC10-3-SE-4B	