



Pilot Operated Check Valves Technical Information

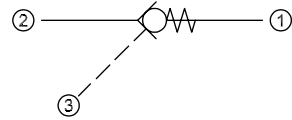
Reverse Pilot to Open

CP453-2

OPERATION

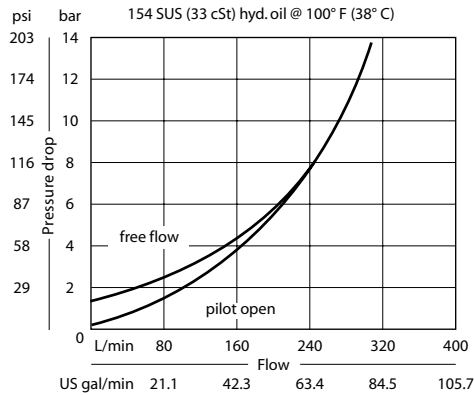
This valve is a pilot-to-open check valve.

Schematic



SPECIFICATIONS

Theoretical performance



Specifications

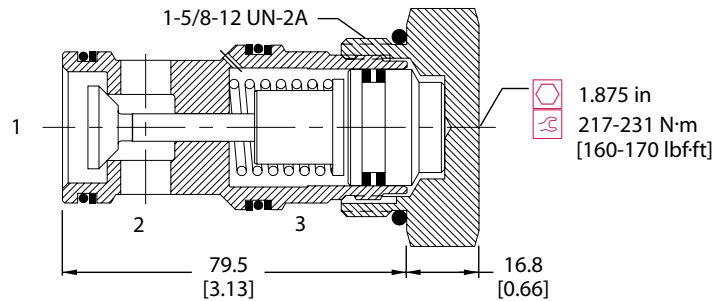
Rated pressure	210 bar [3000 psi]
Rated flow at 7 bar [100 psi]	230 l/min [61 US gal/min]
Leakage	6 drops/min @ Rated pressure
Weight	0.66 kg [1.46 lb]
Pilot ratio	3:1
Cavity	CP20-3S

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

DIMENSIONS

mm [in]

Cross-sectional view



ORDERING INFORMATION

		CP453 - 2 - B - 20S - 065 - 0			
Seals		Seal kit		Piston seals	
B = Buna-N		120380		0 = No seals	
V = Viton		120381		S = Seals included	
Housing and ports		Housing P/N		Crack Pressure	
0 = No Housing		No Housing		bar	[psi]
8B = Al, 1 BSP		CP20-3S-8B/2B		065 = 4.48	[65]
10B = Al, 1-1/4 BSP		CP20-3S-10B/2B			
16S = Al, #16 SAE		CP20-3S-16S/4S			
20S = Al, #20 SAE		CP20-3S-20S/4S			
Other housings available					