

Proportional Valves Technical Information

Pressure Relieving, Direct Acting, Normally Open

CP558-20

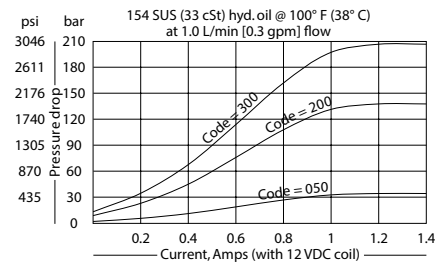
OPERATION

This is a direct-acting normally-open, proportional relief valve.

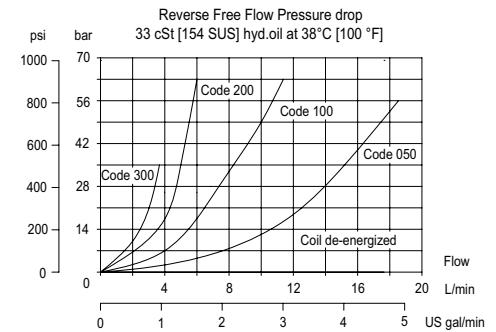
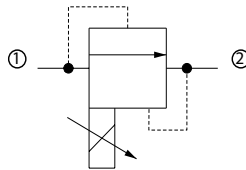
SPECIFICATIONS

Rated pressure	210 bar [3000 psi]
Rated flow	8 l/min [2 US gal/min]
Weight	0.48 kg [1.06 lb]
Hysteresis	10% maximum
Threshold current	0 A (12 VDC coil) 0 A (24 VDC coil)
Maximum control current	1.2 A (12 VDC coil) 0.6 A (24 VDC coil)
Cavity	SDC08-2
Standard Coil	D10 30 Watt
Coil nut	321978

THEORETICAL PERFORMANCE



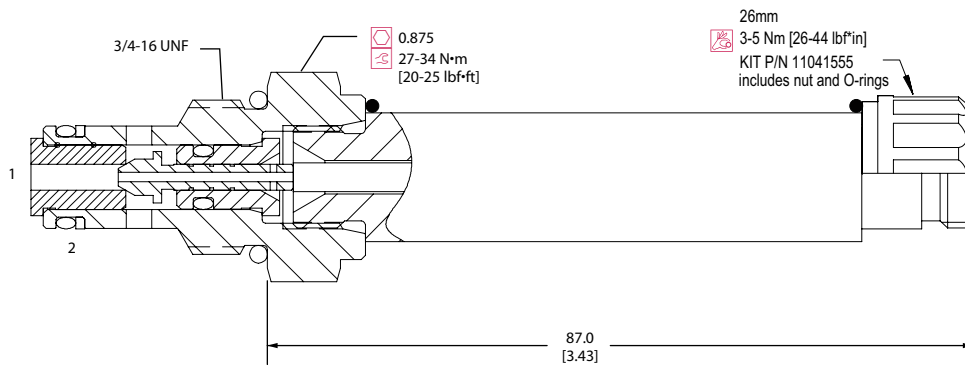
SCHEMATIC



DIMENSIONS

mm [in]

Cross-sectional view



ORDERING INFORMATION

CP558 - 20 - B - 6S - 300 - 24D - H			
Seals		Seal kit	
B = Buna-N		120221	
V = Viton		120222	
Housing and ports		Housing P/N	
0 = No Housing		No Housing	
DG2B = AL, 1/4 BSP		SDC08-2-DG-2B	
DG3B = AL, 3/8 BSP		SDC08-2-DG-3B	
4S = AL, #4 SAE		CP08-2-4S	
6S = AL, #6 SAE		CP08-2-6S	
Other housings available			
Voltage		Termination	
000 = No coil		00 = No connector	
12D = 12 VDC coil		H = DIN 43650	
24D = 24 VDC coil		L = Lead wires	
		DE = Deutsch	
		M2 = Metripack 150	
		Type 1	
		S = Spade	
Pressure code			
050 = 35 bar [500 psi] max			
100 = 69 bar [1000 psi] max			
200 = 138 bar [2000 psi] max			
300 = 207 bar [3000 psi] max			