



Proportional Valves Catalog

Flow Control, Non-Compensated, Normally Closed

PSV16-NC



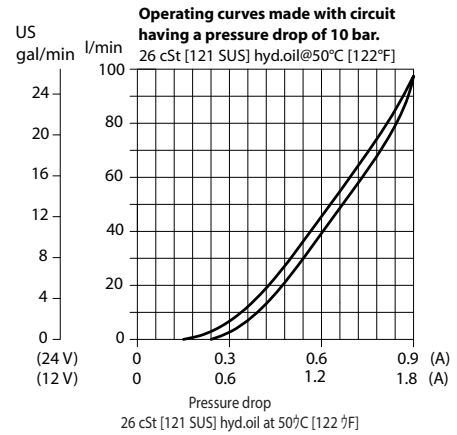
OPERATION

This is a normally-closed, direct-acting, spool-type, non-compensated, proportional flow-control. Controlled flow is from port 1 to 2.

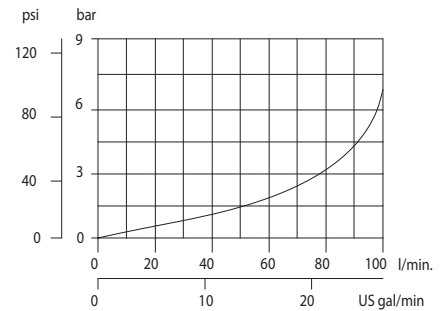
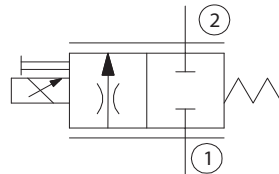
SPECIFICATIONS

Rated pressure	260 bar [3770 psi]
Rated flow at 10 bar [145 psi]	100 l/min [26 US gal/min]
Leakage	420 cm ³ /min [25.6 in ³ /min] @ rated pressure
Weight	0.87 kg [1.92 lb]
Hysteresis	5% maximum
Threshold current	0.5 A (12 VDC coil) 0.25 A (24 VDC coil)
Maximum control current	1.8 A (12 VDC coil) 0.9 A (24 VDC coil)
Cavity	SDC16-2
Standard Coil	D14E(35W) 35 Watt

Theoretical performance



Schematic

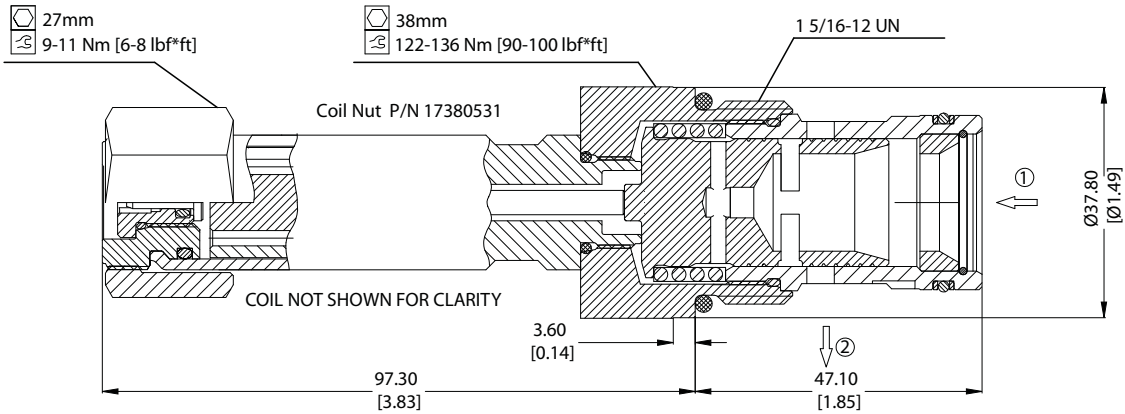


DIMENSIONS

mm [in]

- 27mm
- 9-11 Nm [6-8 lbf*ft]

Cross-sectional view



ORDERING INFORMATION

PSV16 - NC - 100 - 12D - DN - SPS - B - 00

Proportional Flow Control Valve, Non-Compensated, Normally Closed, 16 Size Cavity

Code	Max regulated flow
100	100 l/min

Code	Coil Voltage
00	No Coil
12D	12V DC
24D	24 V DC

Code	Coil Termination
0J	No Coil
AJ	Amp Junior
DE	Deutsch
DN	DIN 43650

Code	Seal	Seal Kit
B	Buna-N	354008719
V	Viton	354008819

Code*	Manual Override
Omit	Push Pin (Standard)
SPS	Screw Style (Push-Type Valve)

*PB (Push-Button) available upon request

Body & Ports	Body Nomenclature
00 = No housing	No Body
DG6B = Al, 3/4 BSP	SDC16-2-DG-6B
DG8B = Al, 1 BSP	SDC16-2-DG-8B
12S = Al, #12 SAE	CP16-2-12S
16S = Al, #16 SAE	CP16-2-16S
Other housings available	

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