Solenoid Valves

SV12-8-4

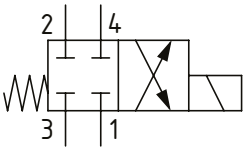
Solenoid Valve, 4-way, 2-position, Spool Type

350 bar [5000 psi] • 11 l/min [2.9 US gpm]

OPERATION AND DESCRIPTION

This is a 4-way, 2-position, spool type, direct acting solenoid valve. In the de-energized condition, all ports are blocked. When energized, port 3 is open to 4 and port 2 to 1. These valves can be used to isolate a function until required. Always check the operating envelope to make sure the valve will work under the required application conditions.

SCHEMATIC

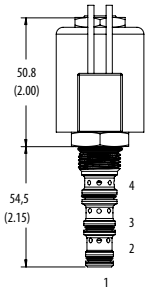


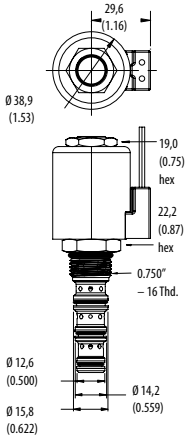
DIMENSIONS

mm [in]

Coil nut torque
5-8 Nm [4-6 ft. lbs]

Installation torque
34-41 Nm [25-30 ft. lbs]



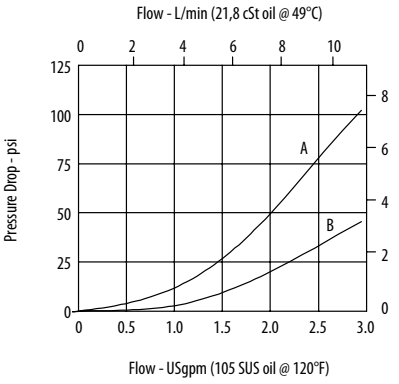


PERFORMANCE DATA

Rated Pressure	**350 bar [5000 psi]**
Flow Capability	**11 l/min [2.9 US gpm]**
Leakage	82 ml/min (5 in³/min) @ 350 bar [5000 psi]
Coil Options	P series
Weight	0.14 kg [0.30 lb]
Cavity	SDC08-4

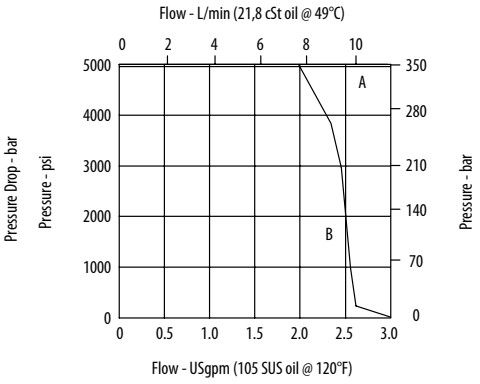
PERFORMANCE CURVES

Pressure Drop



A - Port 3 to 4 • **B** - Port 2 to 1

Operating Envelope



A - Port 2 to port 1 • **B** - Port 3 to port 4

MODEL CODE

SV12 - 8 - V - 4 - M - S - 2G - 12D - G - P

Seal Option

Code	Seal kit
Omit-Buna - N	02-160757
V-Viton	02-160758

Manual Override Option

Omit - No manual override
M - Pull and Twist

Housing Material

Omit - No Housing
S - Steel

Housing

Code	Ports	Steel
00	No Housing	
2G	1/4" BSP	02-160751
3G	3/8" BSP	02-160752
4T	#4 SAE	02-160753
6T	#6 SAE	02-160754

* Aluminum bodies are to be used for pressures less than 210 bar [3000 psi].
* Additional housings available

Coil Series

Omit - No coil
P -8 series, 23W

Connector Type

Omit - No coil
G - ISO 4400 DIN 43650
Q - Spade terminals
W - Flying lead
N - Deutsch male, DT04-2P, integrated
Y - Amp JR (DC only)
D - Metripack 150 male DC only)
J - Metripack 280 male (DC only)

Coil Voltage

Code	Coil Voltage
00	No Coil, nut included (p/n 565558)
12D	12 VDC
24D	24 VDC
115A	115 VAC**
230A	230 VAC**
12B	12 VDC/w diode*
24B	24 VDC/w diode*

*Optional arc suppression diode
**Internally rectified
***Other voltage options available