Solenoid Valves

SBV11-8-O

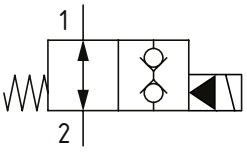
Solenoid Valve, 2-way, Poppet Type, Normally Open, Pilot Operated, Double Blocking

350 bar [5000 psi] • 60 l/min [16 US gpm]

OPERATION AND DESCRIPTION

This is a 2-way, 2-position, poppet type, pilot operated, normally open, bi-directional solenoid valve. When de-energized, flow can take place from port 2 to 1 and from 1 to 2. In its energized condition, flow is blocked in both directions. Leakage in either direction is kept to a minimum due to the poppet design. These valves can be used to hold loads in position or interrupt a pressure line where flow is expected to pass in both directions in the energized condition.

SCHEMATIC

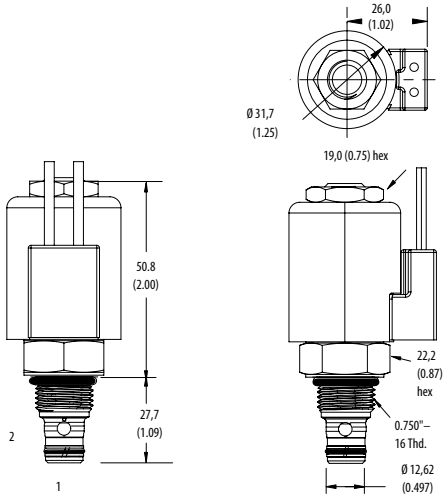


DIMENSIONS

mm [in]

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

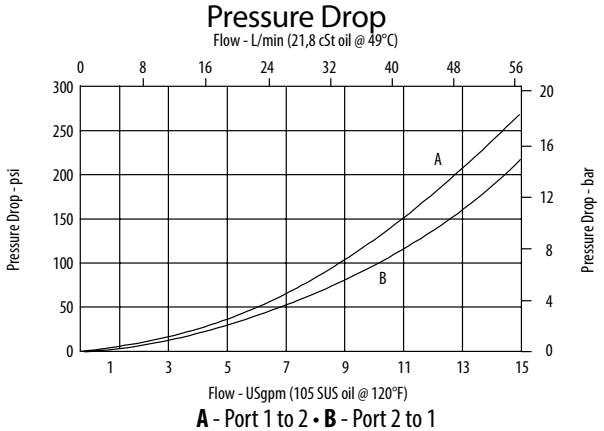
Installation torque
34-41 Nm [25-30 ft. lbs]



PERFORMANCE DATA

Rated Pressure	**350 bar [5000 psi]**
Rated flow	**60 l/min [16 US gpm]**
Leakage	5 drops/min @ 350 bar [5000 psi]
Coil Options	P series
Weight	0.12 kg [0.26 lb]
Cavity	SDC08-2

PERFORMANCE CURVES



A - Port 1 to 2 • **B** - Port 2 to 1

MODEL CODE

SBV11 - 8 - V - O - A - 2G - 12D - G - P

Seal Option

Code	Seal kit
Omit-Buna - N	02-160777
V-Viton	02-160778

Housing Material

Omit - No Housing
A- Aluminum
S- Steel

Housing

Code	Ports	Aluminium	Steel
0	No Housing		
2G	1/4" BSP	02-160727	02-160733
3G	3/8" BSP	02-160728	02-160734
4T	#4 SAE	02-160730	02-160736
6T	#6 SAE	02-160731	02-160737
8T	#8 SAE	02-160732	02-160738

* 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 (DC only)
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	2VDC/w diode*
24B	24 VDC/w diode*

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