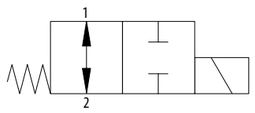
SV4-10-O/OM/OR - Solenoid valve

Spool type, normally open solenoid valve
23 L/min (6 USgpm) • 210 bar (3000 psi)



Operation

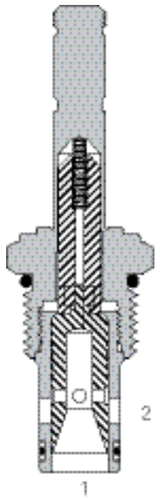
In the de-energized position the valve is open in both directions.

When the solenoid is energized the spool moves causing the valve to close in both directions.

Features

Hardened, ground and honed working parts to limit leakage. IP69 Tough coil compatibility. Continuously rated. Compact design with low pressure drop.

Sectional view



Performance data

Ratings and specifications

Performance data is typical with fluid at 21,8 cST (105 SUS) and 49°C (120°F)	
Typical application pressure (all ports)	210 bar (3000 psi)
Cartridge fatigue pressure (infinite life)	210 bar (3000 psi)
Rated flow	23 L/min (6 USgpm)
Internal leakage, port 2 to port 1	82 cm3/min (5 in3/min) max @ 210 bar (3000 psi)
Temperature range	-40° to 120°C (-40° to 248°F)
Coil duty	Continuous from 85% to 110% of nominal voltage
Cavity	C-10-2
Fluids	All general purpose hydraulic fluids such as: MIL-H-5606, SAE 10, SAE 20 etc.
Filtration	Cleanliness code 18/**16/13**
Housing material (standard)	Aluminum
Weight including cartridge	0,4 kg (0.87 lbs)
Seal kit	565806 (Buna-N), 889627 (Viton®)

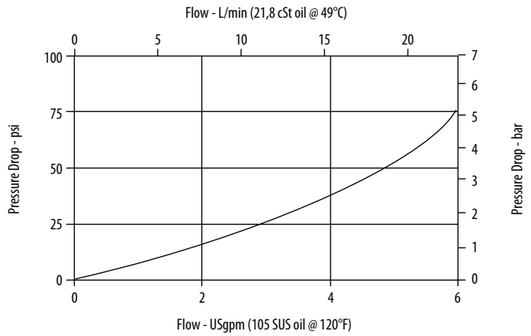
Viton is a registered trademark of E.I. DuPont

Description

This is a 2-way, 2-position, spool type, direct acting, normally open solenoid valve. This valve is used in applications where the flow needs to be blocked in both directions when the solenoid is energized.

Pressure drop

Cartridge only



Port 2 to port 1 or
Port 1 to port 2 de-energized

SV4-10-O/OM/OR - Solenoid valve

Spool type, normally open solenoid valve
23 L/min (6 USgpm) • 210 bar (3000 psi)

Model code

SV4 – 10 (V) – O (*) – (F) ** – ** * – 00**

1 2 3 4 5 6 7 8 9 10

1 Function
SV4 - Solenoid valve

2 Size
10 - 10 size

3 Seal material
Blank - Buna-N
V - Viton®

4 Style
O - Normally open

5 Manual override option
Blank - No manual override
M - Knob type
R - Cable type

For valve dimensions with manual override option installed see page A-980

6 Filter option
Blank - None
F - Filter screen

7 Port size

Code	Port size	Housing number
0	Cartridge only	
3B	3/8" BSPP	02-175462*
6T	SAE 6	566151*
2G	1/4" BSPP	876702
3G	3/8" BSPP	876703
6H	SAE 6	876700
8H	SAE 8	876701

*Light duty housing.
See section J for housing details.

8 Voltage rating
00 - No coil
12D - 12VDC
24D - 24VDC
36D - 36VDC
24A - 24VAC
115A - 115VAC
230A - 230VAC
12B - 12VDC/w diode*
24B - 24VDC/w diode*

*Optional arc suppression diode.

9 Connector types
Blank - 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)

For coil part numbers and dimensions see section C.

10 Special features
00 - None

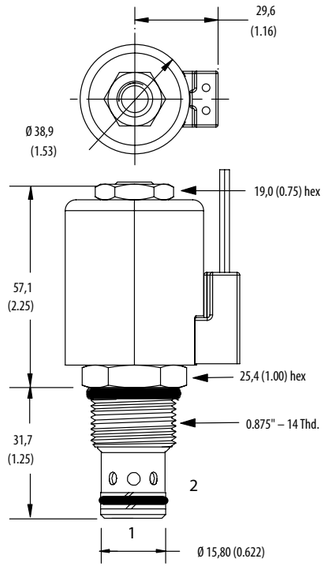
(Only required if valve has special features, omitted if "00".)

Note: Use J series, 23 W coils with this solenoid valve.

Dimensions

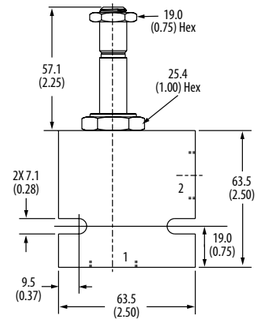
mm (inch)

Cartridge only

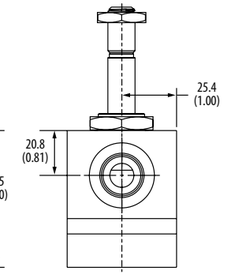


Torque cartridge in aluminum housing 47-54 Nm (35-40 ft lbs)

Installation drawing



Note: When solenoid valve is ordered as cartridge only, nut is included.



⚠ Warning

Maintain 5-8 Nm (4-6 ft lbs) maximum torque on valve tube nut.

Over tightening may cause valve failure.