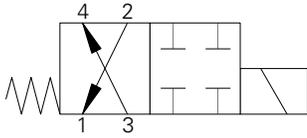


SV3-10-4/4M/4R - Solenoid Valve

4-way, 2-position, spool type solenoid valve
 23 L/min (6 USgpm) • 210 bar (3000 psi)

A



Operation

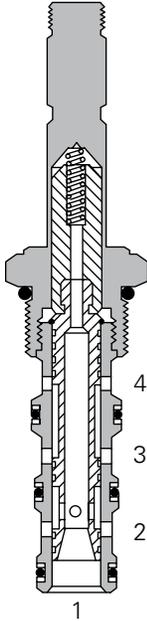
In the de-energized position flow is allowed from port 3 to port 4 and from port 2 to port 1.

In the energized position all ports are blocked.

Features

Hardened, ground and honed working parts to limit leakage. IP69K Tough coil compatibility. Continuously rated. Compact design with low pressure drop. Rated pressure on all ports.

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	164 cm ³ /min (10 in ³ /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-10-4
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 coil	0,44 kg (0.96 lbs)
Seal kit	889625 (Buna-N), 566080 (Viton®)

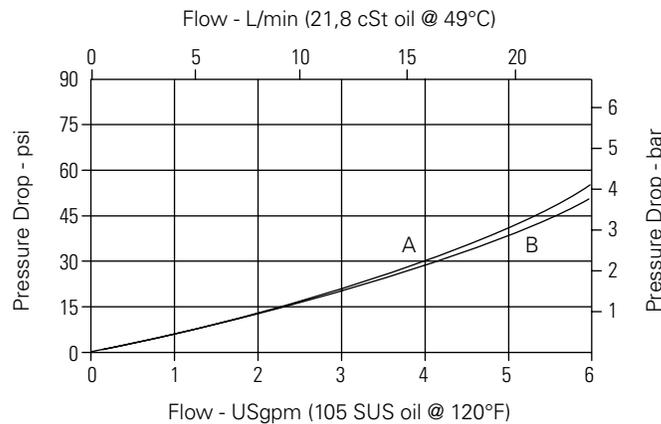
Viton is a registered trademark of E.I. DuPont

Description

This is a 4-way 2-position, direct acting, spool type solenoid valve. This valve can be used in applications where a double acting actuator needs to be isolated.

Pressure Drop

Cartridge only



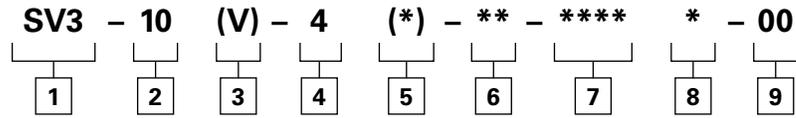
A - Port 3 to port 4
B - Port 1 to port 2

Where measurements are critical request certified drawings. We reserve the right to change specifications without notice.

SV3-10-4/4M/4R - Solenoid Valve

4-way, 2-position, spool type solenoid valve
23 L/min (6 USgpm) • 210 bar (3000 psi)

Model Code



1 Function
SV3 - Solenoid valve

2 Size
10 - 10 size

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

4 Style
4 - 4-way, 2-position

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 Port Size

Code	Port Size	Housing Number
0	Cartridge only	
3B	3/8" BSPP	02-179705*
6T	SAE 6	566161*
2G	1/4" BSPP	876709
3G	3/8" BSPP	876715
6H	SAE 6	876708
8H	SAE 8	876713

*Light duty housing
See section J for housing details.

7 Voltage Rating

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

*Optional arc suppression diode.

8 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)

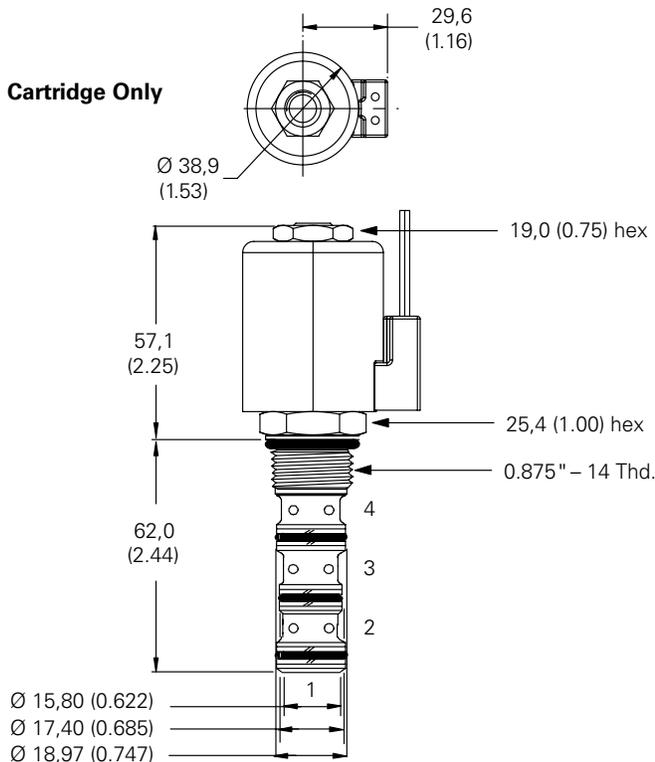
For coil part numbers and dimensions see section C.

9 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

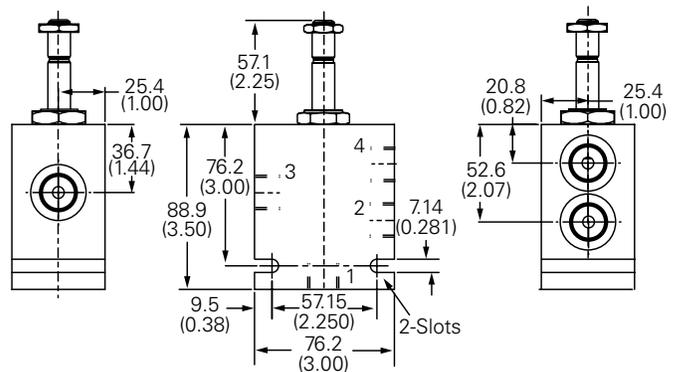
mm (inch)



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

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

Installation Drawing



WARNING

Maintain 5-8 Nm (4-6 ft lbs) maximum torque on valve tube nut. Over tightening may cause valve failure.