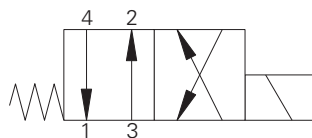


## SV1-10-4/4M/4R - Solenoid valve

4-way, 2-position spool type solenoid valve  
Up to 23 L/min (6 USgpm) • 2.10 bar (3000 psi)

www: [www.salushydraulics.pl](http://www.salushydraulics.pl)  
e-mail: [pl@salushydraulics.pl](mailto:pl@salushydraulics.pl)  
shop/sklep: [www.salushydraulics.pl/sklep/](http://www.salushydraulics.pl/sklep/)

A



### Operation

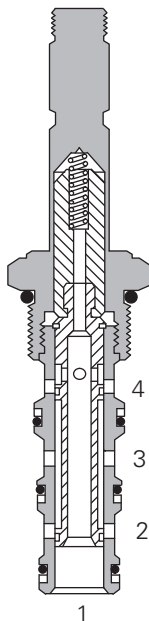
In the de-energized position this valve allows flow from port 4 to port 1 and from port 3 to port 2.

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

### 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 <sup>3</sup> /min (10 in <sup>3</sup> /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®)

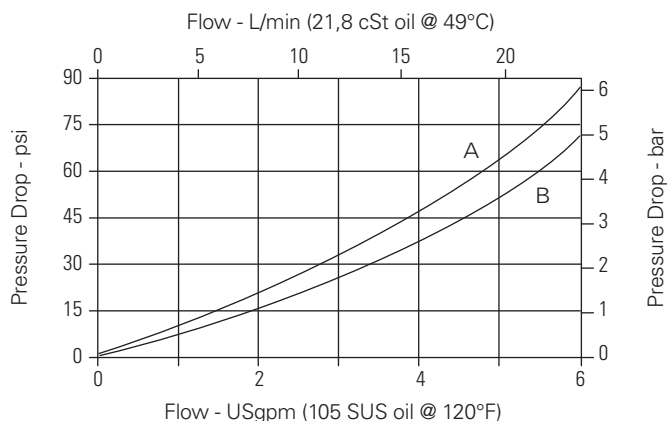
Viton is a registered trademark of E.I. DuPont

### Description

This is a 4-way 2-position, direct acting, spool type solenoid valve. This valve can be used in applications where the motion of a double acting cylinder or a motor needs to be reversed.

### Pressure drop

Cartridge only

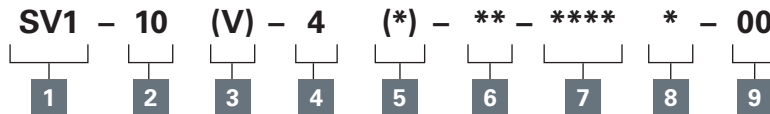


Where measurements are critical request certified drawings. We reserve the right to change specifications without notice.

# SV1-10-4/4M/4R - Solenoid valve

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

## Model code



A

### 1 Function

SV1 - 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  
12D - 12VDC  
24D - 24VDC  
36D - 36VDC  
24A - 24VAC  
115A - 115VAC  
230A - 230VAC  
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".)

## Dimensions

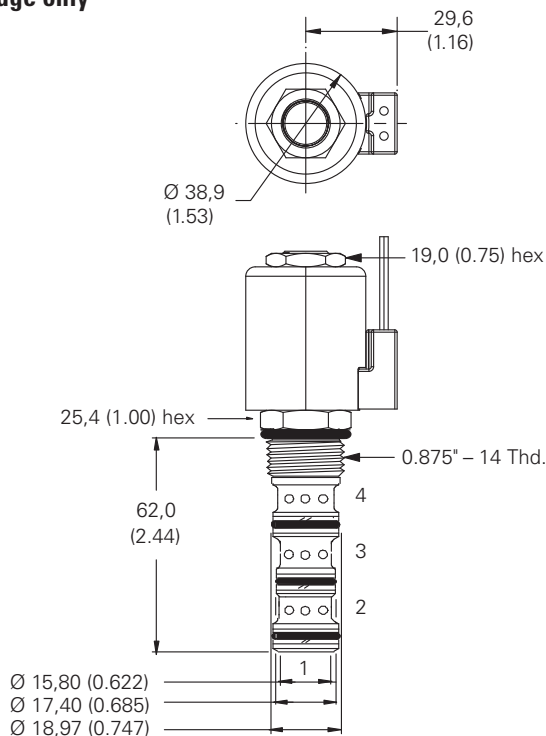
mm (inch)

Torque cartridge in aluminum housing 47-54 Nm (33-46 ft lbs)

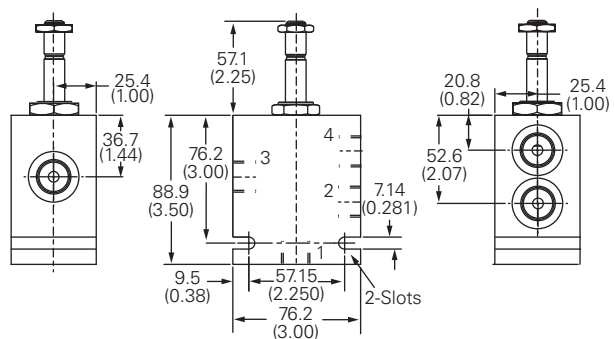
**Note:** When solenoid valve is ordered as Cartridge only, nut is included.

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

## Cartridge only



## Installation drawing



### Warning

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

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