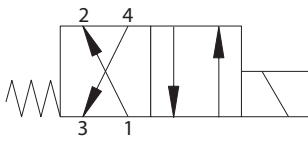


SV7M-12-4 - Solenoid valve

Spool type, 4-way, 2-position
Up to 46 L/min (12 USgpm) • 210 bar (3000 psi)



Operation

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

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

Performance data

Ratings and specifications

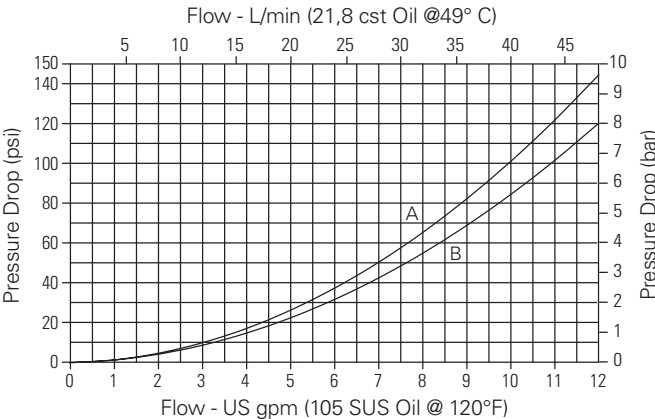
Performance data is typical with fluid at 21,8 cST (105 SUS) and 49°C (120°F)

Typical application pressure	210 bar (3000 psi)
Rated flow	46 L/min (12 USgpm)
Internal leakage	300 cm ³ /min (21.5 in ³ /min) max @ 210 bar (3000 psi)
Temperature range	-40° to 120°C (-40° to 248°F)
Cavity	C-12-4
Weight including coil	0,86 kg (1.9 lbs)
Fluids	All general purpose hydraulic fluids such as: MIL-H-5606, SAE 10, SAE 20 etc.
Filtration	Cleanliness code 18/16/13
Seal kit	2160979 (Buna-N), 2160980 (Viton®)

Viton is a registered trademark of E.I. DuPont

Pressure drop

Cartridge only



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

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

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

SV7M-12-4 - Solenoid valve

Spool type, 4-way, 2-position
Up to 46 L/min (12 USgpm) • 210 bar (3000 psi)

Model code

SV7	*	- 12	*	- 4P	- ****	- ****	*	*	**	- **
1	2	3	4	5	6	7	8	9	10	11

1 Function

SV7 - Solenoid valve

2 Max flow

M - 46 L/min (12 USgpm)

3 Size

12 - 12 size

4 Seal material

Blank - Buna-N

M - Viton

5 Style

4P - 4 way, push type manual override

6 Port size

Code	Port size	Housing number
0	Cartridge only	
A6G	3/4" BSPP	5986432-001
A10T	SAE 10	6030517-001
A12H	SAE 12	5986436-001

See section J for housing details.

7 Voltage rating

00 - No coil

12D - 12VDC

24D - 24VDC

12B - 12VDC/w diode*

24B - 24VDC/w diode*

*Optional arc suppression diode.

8 Connector types

Blank - No coil

G0 - ISO 4400 DIN 43650

N0 - Deutsch male, DT04-2P, integrated

Y0 - Integrated Amp DC

D0 - MetriPack® 150 Male, Integrated (DC Only)
Mating connector : Delphi 12052641.

For coil part numbers and dimensions see section C.

9 Coil types

Blank - No coil

R - R series (30W)

Large ToughCoil

10 Coil special feature

Blank - No coil

00 - No special feature

11 Special features

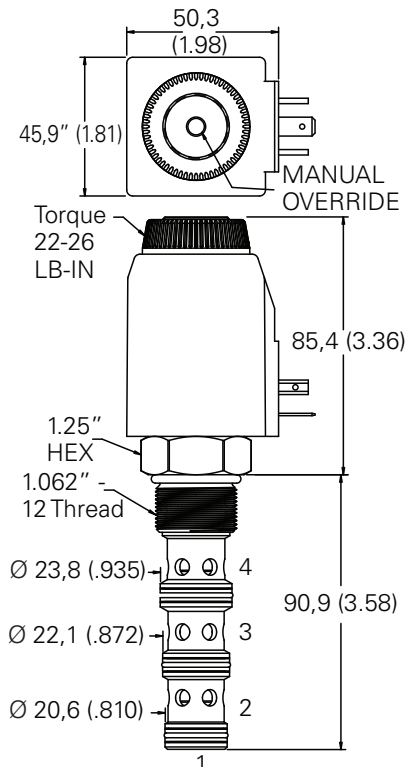
00 - None

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

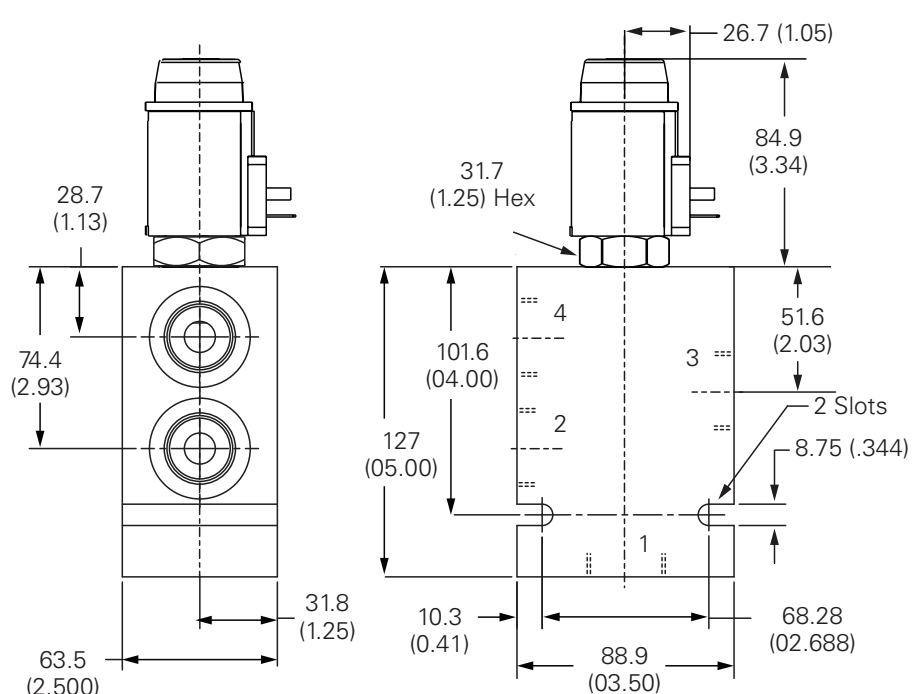
SF - Soft shift

Dimensions - mm (inch)

Cartridge only



Installation drawing



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