Solenoid Valves

SV15-34-03

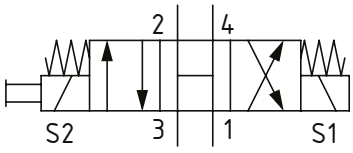
Solenoid Valve, 4-way, 3-position, Spool Type

230 bar [3300 psi] • 50 l/min [13.2 US gpm]

OPERATION AND DESCRIPTION

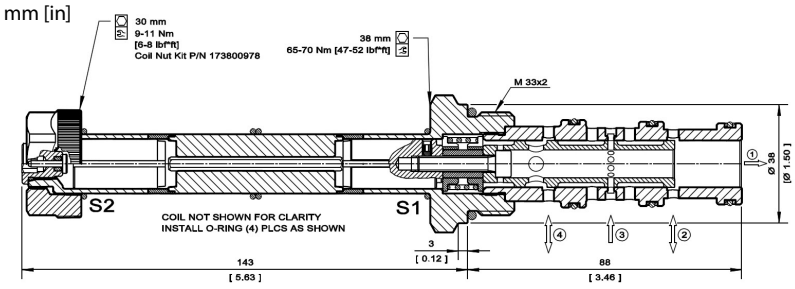
This is a 4-way, 3-position, spool type, direct acting solenoid valve. In the center condition, all ports are open. By energizing one coil, port 3 opens to 2 and port 4 to 1. When energizing the other coil, port opens port 3 to 4 and port 2 to 1. This valve provides a directional control function with a neutral de energized state (all ports open). It can be used in any hydraulic application where an actuator needs to be controlled in both directions. Always check the operating envelope to make sure the valve will work under the required application conditions. Port 1 is not intended for use as inlet (Tank only)

SCHEMATIC



DIMENSIONS

mm [in]



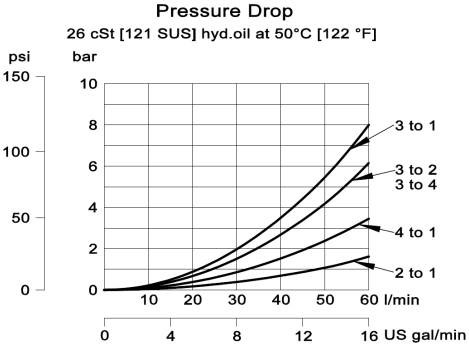
PERFORMANCE DATA

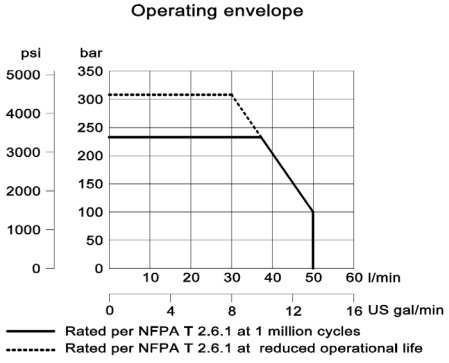
Rated Pressure*	**230 bar [3300 psi]****
Flow Capability	**50 l/min [13.2 US gpm]**
Coil Options	M19
Weight	1.40 kg [3.09 lb]
Cavity	NCS 12/4

*Rated Pressure based on NFPA fatigue test standards (at 1 million cycles)

**Valve can operate with an inlet pressure of 315 bar [4600 psi] at port 3 for 300,000 cycles

PERFORMANCE CURVES





MODEL CODE

SV15 - 34 - 03 - 12D - DE - B - 4B

Coil Voltage

Standard Coil Code	Robust Coil Code	Coil Voltage
00	**R00**	No Coil, nut included*
10D	**R10D**	10 VDC
12D	**R12D**	12 VDC
20D	**R20D**	20 VDC
24D	**R24D**	24 VDC
110A		110 VAC**
220A		220 VAC**

*Standard Coil - Plastic coil nut and o-rings (p/n 173800978)
**DIN only - external rectifier needed

Connector Type

Code	
00	No Coil
AJ	Amp Junior
AJD	Amp Junior with Diode
DE	Deutsch
DED	Deutsch with Diode
FL	Flying Leads
DN	DIN 43650

Housing

Code	Ports & Material	Housing Model Code
00	No Housing	
8S	#8 SAE, AL	NCS12/4-L-8S
12S	#12 SAE, AL	NCS12/4-L-12S
4B	1/2 BSP, AL	NCS12/4-L-1/2
6B	3/4 BSP, AL	NCS12/4-L-3/4

* Aluminum bodies are to be used for pressures less than 210 bar [3000 psi].
* Additional housings available

Seal Option

Code	Seal kit
B-Buna - N	11115884
V-Viton	11115885