

# Solenoid Valves

## SV10-24-12

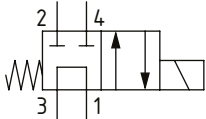
Solenoid Valve, 4-way, 2-position, Spool Type

230 bar [3300 psi] • 25 l/min [6.6 US gpm]

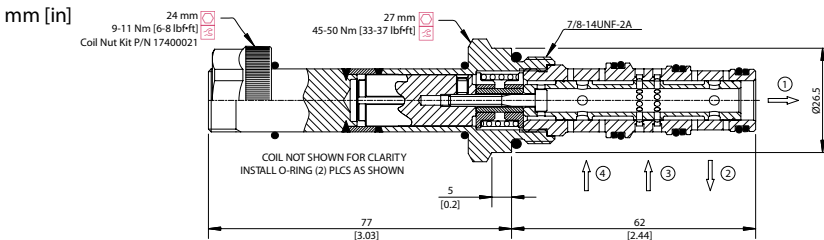
### OPERATION AND DESCRIPTION

This is a 4-way, 2-position, spool type, direct acting solenoid valve. In the de-energized condition, port 3 is open to 1 while ports 2 and 4 are blocked. When energized, port 1 is open to 4 and port 2 open to 3. This valve allows the inlet oil to pass through the valve to tank or a separate system while holding the actuator in position. Always check the operating envelope to make sure the valve will work under the required application conditions. Port 1 is not intended as inlet (Tank only).

### SCHEMATIC



### DIMENSIONS



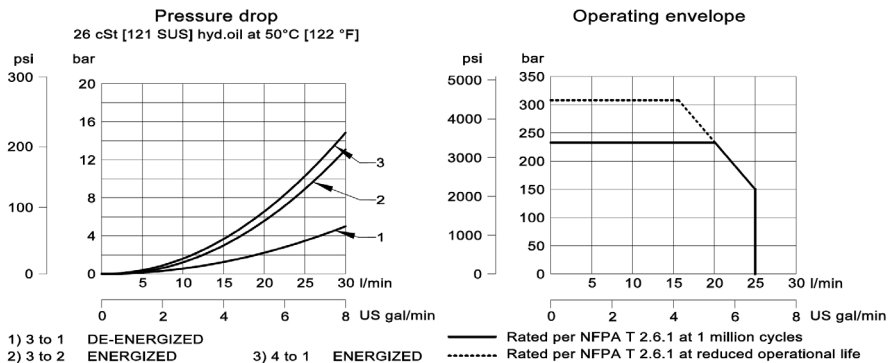
### PERFORMANCE DATA

<b>Rated Pressure*</b>	<b>230 bar [3300 psi]**</b>
<b>Flow Capability</b>	<b>25 l/min [6.6 US gpm]</b>
<b>Coil Options</b>	M16, R16
<b>Weight</b>	0.31 kg [0.68 lb]
<b>Cavity</b>	SDC10-4

\*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 400,000 cycles

### PERFORMANCE CURVES



### MODEL CODE

**SV10 - 24 - 12 - 12D - DE - B - 6S**

#### 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 17400021)

\*Robust Coil - Steel coil nut and no o-rings (p/n 173804910)

\*\*DIN only - external rectifier needed

#### Connector Type

Standard Coil Code	Robust Coil Code	Connector Type
00	00	No Coil
AJ		Amp Junior
AJD		Amp Junior with Diode
AS	AS	AMP SuperSeal 1.5
ASD	ASDB*	AMP SuperSeal with Diode
DE	DE	Deutsch
DED	DEDB*	Deutsch with Diode
FL	FL	Flying Leads
FLD	FLDB*	Flying Leads with Diode
DN		DIN 43650

\*Bi-directional diode

#### Housing

Code	Ports	Housing Model Code
00	No Housing	
6S	#6 SAE, AL	CP10-4-6S
8S	#8 SAE, AL	CP10-4-8S
S8S	#8 SAE, Steel	CP10-4-S8S
L3B	3/8 BSP, AL	SDC10-4-L3B
L4B	1/2 BSP, AL	SDC10-4-L4B
S4B	1/2 BSP, Steel	CP10-4-S4B

\* 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	354001919
V-Viton	354002019