Solenoid Valves

SV08-23-04

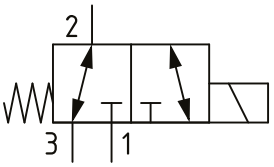
Solenoid Valve, 3-way, 2-position, Spool Type

230 bar [3300 psi] • 12 l/min [3.2 US gpm]

OPERATION AND DESCRIPTION

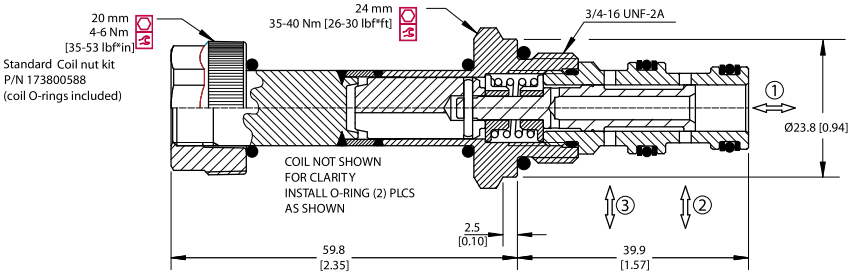
This is a 3-way, 2-position, spool type, direct acting solenoid valve. In the de-energized condition, port 3 is open to port 2 and port 1 is blocked. When energized, port 2 is open to port 1 and port 3 is blocked. These valves can be used in normally open, normally closed or selector modes. Always check the operating envelope to make sure the valve will work under the required application conditions.

SCHEMATIC



DIMENSIONS

mm [in]



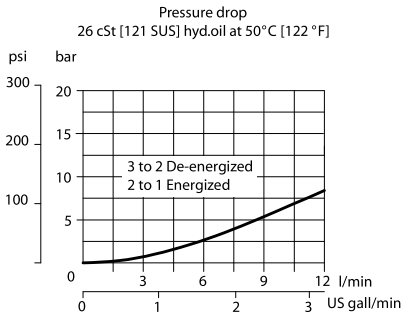
PERFORMANCE DATA

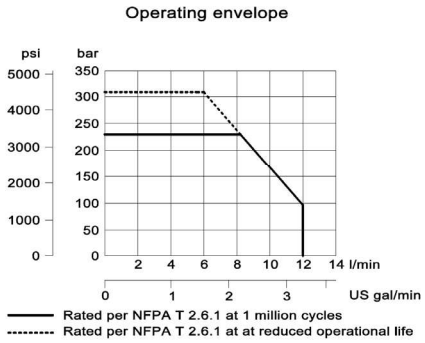
Rated Pressure*	**230 bar [3300 psi]****
Flow Capability	**12 l/min [3.2 US gpm]**
Coil Options	M13, R13
Weight	0.31 kg [0.68 lb]
Cavity	SDC08-3

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

**Valve can operate at 315 bar [4600 psi] for 400,000 cycles. With inlet at port 2, this can be increased to 600,000 cycles.

PERFORMANCE CURVES





MODEL CODE

SV08 - 23 - 04 - 12D - DE - B - 4S

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 173800588)
*Robust Coil - Steel coil nut and no o-rings (p/n 173800539)
**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	
4S	#4 SAE, AL	CP08-3-4S
6S	#6 SAE, AL	CP08-3-6S
S6S	#6 SAE, Steel	CP08-3-S6S
SE2B	1/4 BSP, AL	SDC08-3-SE2B
SE3B	3/8 BSP, AL	SDC08-3-SE3B
S3B	3/8 BSP, Steel	CP08-3-S3B

* 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	354003210
V-Viton	354003819