Solenoid Valves

SV08-22-01

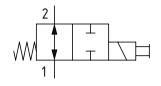
Solenoid Valve, 2-way, Spool Type, Normally Open

230 bar [3300 psi] • 16 l/min [4.2 US gpm]

OPERATION AND DESCRIPTION

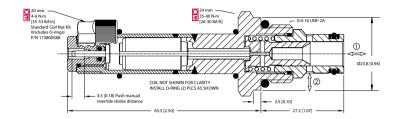
This is a 2-way, 2-position, spool type, direct acting, normally open solenoid valve. When de-energized, flow can take place from port 2 to 1 and from 1 to 2. In its energized condition, flow is blocked in both directions. The valve will be subject to normal spool leakage dependent on the pressure difference between the ports. They come standard with a push pin manual override. These valves can be used to interrupt a pressure line where flow is expected to pass in both directions in the energized condition.

SCHEMATIC



DIMENSIONS

mm [in]

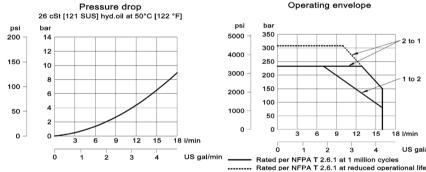


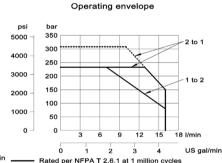
■ PERFORMANCE DATA

Rated Pressure*	230 bar [3300 psi]**
Flow Capability	16 l/min [4.2 US gpm]
Coil Options	M13, R13
Weight	0.29 kg [0.64 lb]
Cavity	SDC08-2

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

PERFORMANCE CURVES





Housing Model Code

CP08-2-4S

CP08-2-6S #6 SAE, Steel CP08-2-S6S

SDC08-2-DG2B

SDC08-2-DG3B

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

■ MODEL CODE

SV08 - 22 - 01 - 12D - DE - PB - B - 4S

Coil Voltage

Standard Coil Code	Robust Coil Code	Coil Voltage
00	ROO	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)

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 d	iode	

Seal Option

Code	Seal kit
B -Buna - N	354003119
V -Viton	354003619

Housing Code Ports

> No Housing #4 SAE, AL

#6 SAE. AI

S3B 3/8 BSP, Steel CP08-2-S3B

* Additional housings available

DG2B 1/4 BSP, AL

DG3B 3/8 BSP, AL

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Manual Override Option

Omit - Push Pin PB - Push Button SPS - Screw Type

^{**}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.

^{*}Robust Coil - Steel coil nut and no o-rings (p/n 173800539)

^{**}DIN only - external rectifier needed