Solenoid Valves
SVP08-NCR

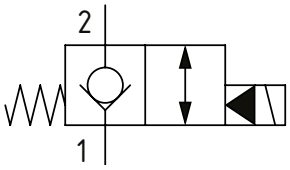
Solenoid Valve, 2-way, Poppet Type, Normally Closed, Pilot Operated with Reverse Free Flow

230 bar [3300 psi] • 35 l/min [9 US gpm]

OPERATION AND DESCRIPTION

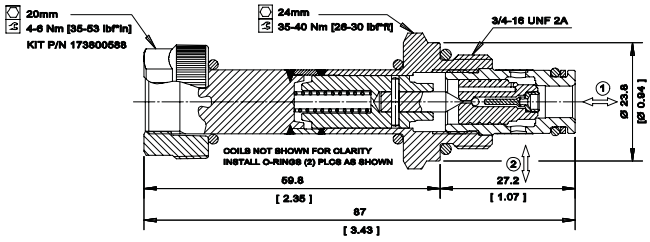
This is a 2-way, 2-position, poppet type, pilot operated, normally closed solenoid valve. In its de-energized condition, flow passes from port 1 to 2 but is blocked in the opposite direction. When energized, flow passes from port 2 to 1 and from 1 to 2. Some models have the option of a filter at port 2. Due to the low leakage provided by the poppet design, these valves can be used to hold loads in position or to interrupt a pressure line where flow normally passes in both directions.

SCHEMATIC



DIMENSIONS

mm [in]



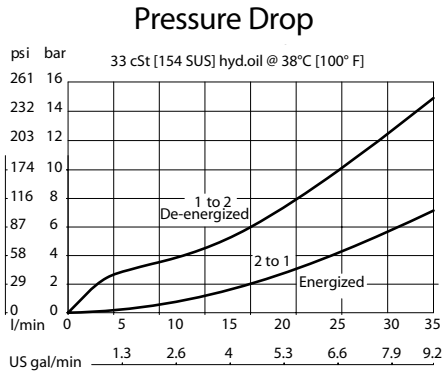
PERFORMANCE DATA

Rated Pressure*	**230 bar [3300 psi]****
Rated flow	**35 l/min [9 US gpm]**
Leakage	6 drops/min @ Rated Pressure
Coil Options	M13, R13
Weight	0.23 kg [0.51 lb]
Cavity	SDC08-2

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

**Valve can operate at 315 bar [4600 psi] for 600,000 cycles

PERFORMANCE CURVES



MODEL CODE

SVP08 - NCR - 12D - DE - M - B - F - 00

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	CP08-2-6S
6S	#6 SAE, AL	CP08-2-6S
S6S	#6 SAE, Steel	CP08-2-S6S
DG2B	1/4 BSP, AL	SDC08-2-DG2B
DG3B	3/8 BSP, AL	SDC08-2-DG3B
S3B	3/8 BSP, Steel	CP08-2-S3B

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

Filter Option

0mit - No filter
F - Filter 300 µm

Seal Option

Code	Seal kit
B-Buna - N	354000119
V-Viton	354000219

Manual Override Option

0mit - No Override
M - Screw Type (Pull)