Solenoid Valves

SVP10-NOR

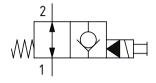


Solenoid Valve, 2-way, Poppet Type, Normally Open, Pilot Operated with Reverse Free Flow 230 bar [3300 psi] • 80 l/min [21 US qpm]

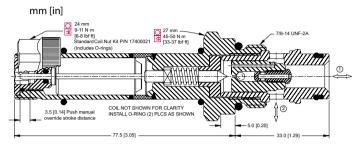
OPERATION AND DESCRIPTION

This is a 2-way, 2-position, poppet type, pilot operated, 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 can take place from port 1 to 2 but is blocked in the other direction. Leakage is kept to a minimum due to the poppet design. Some models have the option of a filter around port 2, and these come standard with a push pin manual override. These valves can be used to hold loads in position when energized, interrupt a pressure line where flow normally passes in both directions, or bypass excess oil to tank in a fail-safe way.

SCHEMATIC



DIMENSIONS



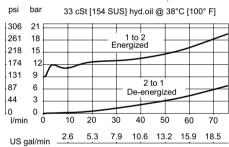
■ PERFORMANCE DATA

Rated Pressure*	230 bar [3300 psi]**	
Rated flow	80 l/min [21 US gpm]	
Leakage	6 drops/min @ Rated Pressure	
Coil Options	M16, R16	
Weight	0.43 kg [0.95 lb]	
Cavity	SDC10-2	

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

■ PERFORMANCE CURVES

Pressure Drop



MODEL CODE

$SVP10 - NOR - \underline{12D} - \underline{DE} - \underline{PB} - \underline{B} - \underline{F} - \underline{6S}$

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

220A

Coil Voltage

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	

220 VAC**

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Code	Ports	Housing Model Code
00	No Housing	
6S	#6 SAE, AL	CP10-2-6S
85	#8 SAE, AL	CP10-2-8S
S8S	#8 SAE, Steel	CP10-2-S8S
DG3B	3/8 BSP, AL	SDC10-2-DG3B
DG4B	1/2 BSP, AL	SDC10-2-DG4B
S4B	1/2 BSP, Steel	CP10-2-S4B

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

Filter Option

Omit - No filter F - Filter 300 μm

Seal Option

Code	Seal kit	
B -Buna - N	354000719	
V -Viton	354000819	

Manual Override Option

Omit - Push Pin

PB - Push Button

SPS - Screw Type

OPS - Protected Push Pin

PAT - Push and Twist

^{**}Valve can operate at 315 bar [4600 psi] on port 2 for 300,000 cycles.