Solenoid Valves

HSV08-22-02

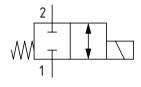
Solenoid Valve, 2-way, Spool Type, Normally Closed

350 bar [5000 psi] • 20 l/min [5.3 US gpm]

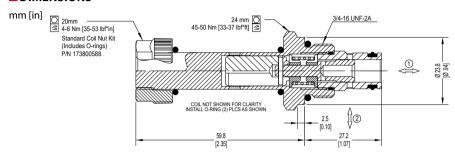
OPERATION AND DESCRIPTION

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

SCHEMATIC



DIMENSIONS

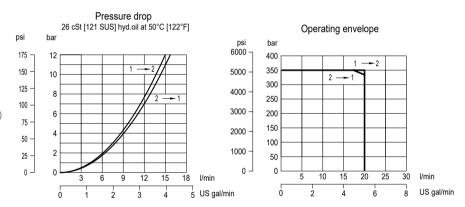


■ PERFORMANCE DATA

Rated Pressure*	350 bar [5000 psi]	
Flow Capability	20 l/min [5.3 US gpm]	
Leakage		
Coil Options	M13, R13	
Weight	0.35 kg [0.77 lb]	
Cavity	SDC08-2	

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

PERFORMANCE CURVES



MODEL CODE

HSV08 - 22 - 02 - 12D - DE - XC - P - S3B

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)

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 di	ode	·

Housing

Code	Ports	Housing Model Code
00	No Housing	
S3B	3/8 BSP, Steel	CP10-2-S3B
S4B	1/2 BSP, Steel	CP08-2-S4S
S6S	#6 SAE, Steel	CP08-2-S6S

 $[\]hbox{* Aluminum bodies are to be used for pressures less than 210 bar [3000\,psi]}.$

Seal Option

Code	Seal kit	
P-Polyurethane Single Seal	11167278	

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

^{**}DIN only - external rectifier needed

^{*} Additional housings available