Solenoid Valves
HSV08-34-02

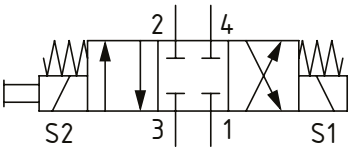
Solenoid Valve, 4-way, 3-position, Spool Type

350 bar [5000 psi] • 17 l/min [4.5 US gpm]

OPERATION AND DESCRIPTION

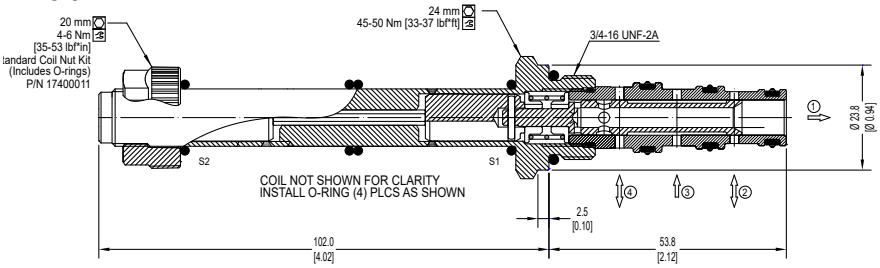
This is a 4-way 3-position direct acting solenoid operated spool valve. In the center condition, all ports are blocked. By energizing one solenoid, port 3 opens to 2 and port 4 to 1. When energizing the other solenoid port opens port 3 to 4 and port 2 to 1. This valve provides a directional control function with a neutral de energized state (all ports blocked). It can be used in any hydraulic application where an actuator needs to be controlled in both directions. Always check the operating envelope to make sure the valve will work under the required application conditions. Port 1 is not intended for use as inlet (Tank only).

SCHEMATIC



DIMENSIONS

mm [in]

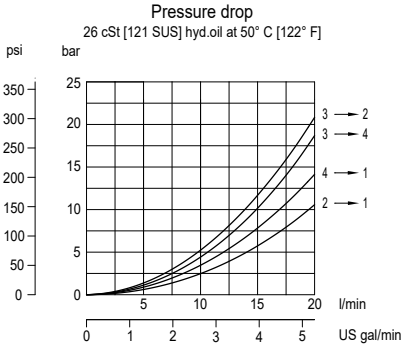


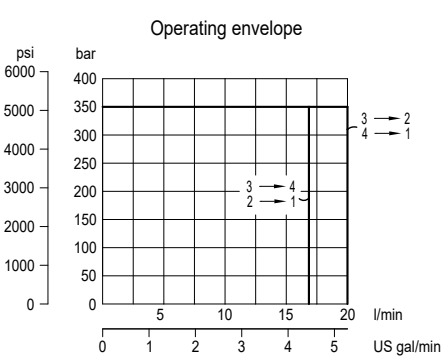
PERFORMANCE DATA

Rated Pressure*	**350 bar [5000 psi]**
Flow Capability	**17 l/min [4.5 US gpm]**
Coil Options	M13, R13
Weight	0.55kg [1.21 lb]
Cavity	SDC08-4

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

PERFORMANCE CURVES





MODEL CODE

HSV08 - 34 - 02 - 12D - DE - PN - 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 17400011)
*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	
S3B	3/8 BSP, Steel	CP08-4-S3B
S6S	#6 SAE, Steel	CP08-4-S6S

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

Seal Option

Code	Seal kit
P-Polyurethane Single Seal	11167316