Solenoid Valves

SV13-16-C

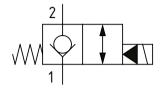
<u>Danfoss</u>

Solenoid Valve, 2-way, Poppet Type, Normally Closed, Pilot Operated with Reverse Free Flow 350 bar [5000 psi] • 132 l/min [35 US gpm]

OPERATION AND DESCRIPTION

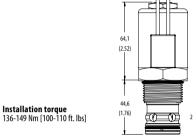
This is a 2-way, 2-position, poppet type, pilot operated, normally closed solenoid valve. In its de-energized condition, flow passes from port 1 to 2 but is blocked in the opposite direction. When energized, flow passes from port 2 to 1 and from 1 to 2. Due to the low leakage provided by the poppet design,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

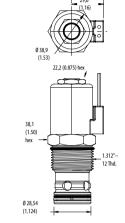
SCHEMATIC



DIMENSIONS

mm [in] **Coil Nut Torque** 5-8 Nm [4-6 ft. lbs]





■ PERFORMANCE DATA

Rated Pressure	350 bar [5000 psi]
Rated flow	132 l/min [35 US gpm]
Leakage	5 drops/ min @ 350 bar [5000 psi]
Coil Options	H series
Weight	0.39 kg [0.85 lb]
Cavity	SDC16-2

PERFORMANCE CURVES

Pressure Drop

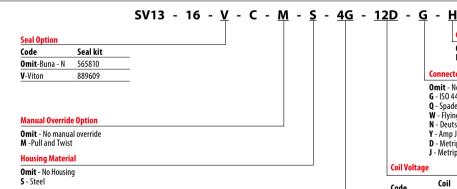
Flow - L/min (21,8 cSt oil @ 49°C) 100 120 200 13 150 psi bar Pressure Drop -Drop. 100 5 R 50 3 25 15 20 35

Flow - USgpm (105 SUS oil @ 120°F)

Connector Type

Omit - No coil **G** - ISO 4400 DIN 43650

■ MODEL CODE



Housing Code Ports Steel No Housing 4G 1/2" BSP 02-175106 6G 3/4" BSP 02-175107 10T #10 SAE 02-175104 #12 SAE 02-175105

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

* Additional housings available

A - Port 2 to 1 energized • B - Port 1 to 2 de-energized

Coil Series

Omit - No coil

H - 10 series, 29 W

	Y - Amp JR (DC only) D - Metripack 150 male (DC only) J - Metripack 280 male (DC only)	
Coil Voltag	j e	
Code	Coil Voltage	
00	No Coil, nut included, (p/n 02-175698)	
12D	12 VDC	
24D	24 VDC	
115A	115 VAC**	
230A	230 VAC**	
12B	2VDC/w diode*	
24B	24 VDC/w diode*	