## **Solenoid Valves**

# SV3-12-C

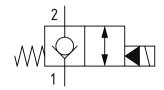


Solenoid Valve, 2-way, Poppet Type, Normally Closed, Pilot Operated with Reverse Free Flow 210 bar [3000 psi] • 114 l/min [30 US gpm]

#### **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



# **■ PERFORMANCE DATA**

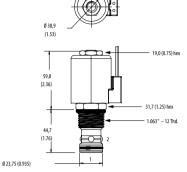
Rated Pressure	210 bar [3000 psi] 114 l/min [30 US gpm]		
Rated flow			
Leakage	5 drops/min @ 210 bar [3000 psi]		
Coil Options	J series		
Weight	0.34 kg [0.74 lb]		
Cavity	C-12-2/C-12-2U		

#### **DIMENSIONS**

mm [in]

Coil nut torque

5-8 Nm [4-6 ft. lbs]

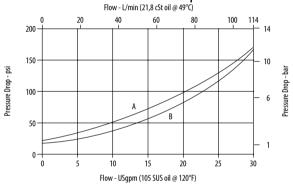


**A** - 81-95 Nm [60-70 ft. lbs] **S** -102-115 Nm [75-85 ft. lbs]

Installation torque

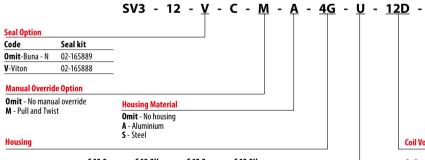
#### **PERFORMANCE CURVES**

### **Pressure Drop**



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

## **MODEL CODE**



Code	Ports	C-12-2 Aluminum Heavy Duty	C-12-2U Aluminum Heavy Duty	C-12-2 Steel Heavy Duty	C-12-2U Steel Heavy Duty
0mit	No Housing				
4G	1/2" BSP	02-161118	02-161116	02-172062	02-172512
6G	3/4" BSP	02-161117	02-161115	02-169665	02-162922
10T	#10 SAE	02-160640	02-160641	02-169744	02-169817
12T	#12 SAE	02-160644	02-160645	02-169782	02-169790

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

#### Cavity

Omit - Cavity without undercut/No housing

U - Cavity with undercut

## **Connector Type** Omit - No coil

- **G** ISO 4400 DIN 43650 **Q** Spade terminals
- **W** Flying lead N - Deutsch (DC only)
  Y - Amp JR (DC only)
- D Metripack 150 male (DC only) J - Metripack 280 male (DC only)

#### **Coil Voltage**

Code	Coil Voltage
00	No Coil,
	nut included (p/n 565558)
12D	12 VDC
24D	24 VDC
115A	115 VAC**
230A	230 VAC**
12B	2VDC/w diode*
24B	24 VDC/w diode*

<sup>\*</sup>Optional arc suppression diode \*\*Internally rectified \*\*\*Other voltage options available