# **Solenoid Valves**

# SV13-12-0

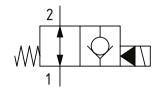
Danfoss

Solenoid Valve, 2-way, Poppet Type, Normally Closed, Pilot Operated with Reverse Free Flow 350 bar [5000 psi] • 114 I/min [30 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. 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**



#### **■ PERFORMANCE DATA**

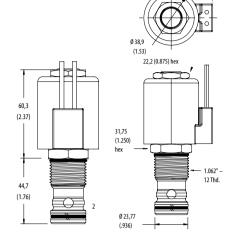
Rated Pressure	350 bar [5000 psi]
Rated flow	114 l/min [30 US gpm]
Leakage	5 drops/ min @ 350 bar [5000 psi]
Coil Options	H series
Weight	0.27 kg [0.59 lb]
Cavity	C-12-2 / C-12-2U

### **DIMENSIONS**

mm [in]

#### Coil nut torque

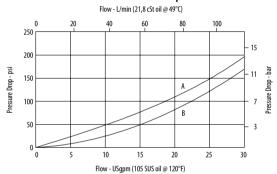
5-8 Nm [4-6 ft. lbs]



### Installation torque 102-115 Nm [75-85 ft. lbs]

#### **PERFORMANCE CURVES**

## **Pressure Drop**



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

### **■ MODEL CODE**

