# **Solenoid Valves**

# SV3-20-0

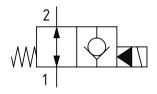


Solenoid Valve, 2-way, Poppet Type, Normally Open, Pilot Operated with Reverse Free Flow 210 bar [3000 psi] • 230 l/min [60 US qpm]

### **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**



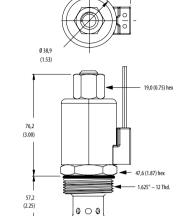
#### **■ PERFORMANCE DATA**

| Rated Pressure | 210 bar [3000 psi]                   |
|----------------|--------------------------------------|
| Rated flow     | 230 l/min [60 US gpm]                |
| Leakage        | 5 drops/min max @ 210 bar [3000 psi] |
| Coil Options   | J series                             |
| Weight         | 1.2 kg [2.70 lb]                     |
| Cavity         | SDC20-2                              |

# DIMENSIONS

mm [in]

Coil nut torque 5-8 Nm [4-6 ft. lbs]



Installation torque 128-155 Nm [95-115 ft. lbs]

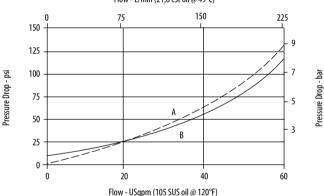
### **PERFORMANCE CURVES**

## Pressure Drop

Flow - L/min (21,8 cSt oil @ 49°C)

1

Ø 36,50 (1.437)



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

#### **MODEL CODE**

