Solenoid Valves

SV13-20-O

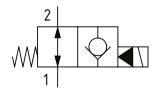
Danfoss

Solenoid Valve, 2-way, Poppet Type, Normally Open, Pilot Operated with Reverse Free Flow 350 bar [5000 psi] • 230 I/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

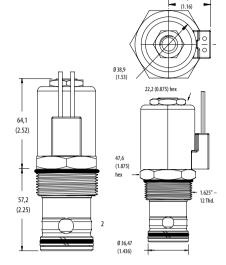
Rated Pressure	350 bar [5000 psi]
Rated flow	230 l/min [60 US gpm]
Leakage	5 drops/min max @ 350 bar [5000 psi]
Coil Options	H series
Weight	0.62 kg [1.37 lb]
Cavity	SDC20-2

DIMENSIONS

mm [in]

Coil nut torque

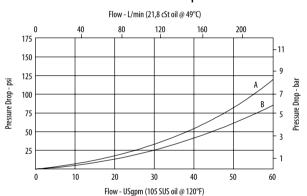
5-8 Nm [4-6 ft. lbs]



Installation torque 163-183 Nm [120-135 ft. lbs]

■ PERFORMANCE CURVES

Pressure Drop



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

■ MODEL CODE

