Solenoid Valves

SBV11-12-0

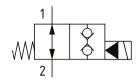
Danfoss

Solenoid Valve, 2-way, Poppet Type, Normally Open, Pilot Operated, Double Blocking 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, bi-directional solenoid valve. When de-energized, flow can take place from port 2 to 1 and from 1 to 2. In its energized condition, flow is blocked in both directions. Leakage in either direction is kept to a minimum due to the poppet design. These valves can be used to hold loads in position or interrupt a pressure line where flow is expected to pass in both directions in the energized condition.

SCHEMATIC



■ PERFORMANCE DATA

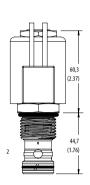
Rated Pressure	350 bar [5000 psi]
Rated flow	114 l/min [30 US gpm]
Leakage	5 drops/ min @ 350 bar [5000 psi]
Coil Options	H series
Weight	0.27 kg [0.59 lb]
Cavity	C-12-2 / C-12-2U

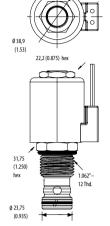
DIMENSIONS

mm [in]

Coil nut torque

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





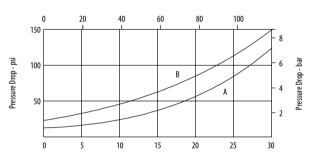
Installation torque A - 81-95 Nm [60-70 ft. lbs]

S - 102-115 Nm [75-85 ft. lbs]

■ PERFORMANCE CURVES

Pressure Drop

Flow - L/min (21,8 cSt oil @ 49°C)



Flow - USgpm (105 SUS oil @ 120°F) **A** - Port 1 to 2 • **B** - Port 2 to 1

■ MODEL CODE

