2-Way, Normally Closed

Type: SV12-Z2

Operation pressure: 250 bar (3600 psi) Proof pressure: 375 bar (5500 psi) Flow: 115 L/min

Description

A solenoid operated, 2 way, normally closed, poppet-type, screw-in cartridge valve, designed for low leakage in load holding or blocking applications.

Operation

When de-energized, SV12-Z2 acts as check valve, allowing flow from 1 to 2 and blocking flow in the opposite way. When energized, the cartridge's poppet lifts to allow the bi-directional flow.

Technical Data

Operation pressure	250 bar (3600 psi)
Proof pressure	375 bar (5500 psi)
Flow	See Performance Chart
Internal leakage	0.15 ml/min (3 drops/min) max. at 250 bar(3600 psi)
	-40°C ~ 120°C with standard buna seals
Temperature range	-26°C ~ 204°C with fluorocarbon seals
	-54°C ~ 107°C with polyurethane seals
Coil duty rating	Continuous from 85% to 115% of nominal voltage
	First indication of change of state with 100% voltage
Response time	supplied at 80% of normal flow rating, Energized:
	40 ms; De-energized: 80 ms
Initial coil current draw at 20°C	standard Coil (22W): 12V(1.83A), 24V(0.92A)
Coil models	SCO116-DC12, SCO116-DC24
Minimum pull-in voltage	85% of nominal at 250 bar (3600 psi)
Filtration	See chart 1
Fluids	Mineral based or synthetics with lubricating
	properties at viscosity of 7.4-420cSt (50-2000ssu)
Installation	No restriction
Cavity	VC12-2
Cavity tool	T12-2RC (Rough), T12-2FM (Finishing)









(Chart 1)

Features

• Unitized molded coil design, continuous-duty rated coil, cartridges are voltage interchangeable, optional for 24V and 12V coil voltage.

- Coil insulation grade: H, coil protection grade: IP65.
- Hardened seat for long life and low leakage.
- Efficient wet-armature construction.
- Industry common cavity.
- Compact size.

Ordering Code



Cartridge: Weight: 0.28 kg (0.62 lbs)

Product

Information

Standard ported body: Weight: 0.7 kg (1.54 lbs)

Steel ported body: Dimensions may differ. Contact after sale.

SV12-Z2- ** - ** - ** - ** Porting Omit for cartridge only 4G=G1/2 Cavity 6G=G3/4 **Termination Std.Coil** Function 8G=G1 DG DIN43650 Seals LVoltage Std.Coil 10T=SAE4 N=Buna N 0=No coil 12T=SAE6 V=Fluorocarbon 12=12VDC 16T=SAE8 U=Polyurethane 24=24VDC Other porting types defined by customers

Dimensions

