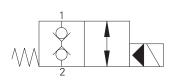
# SBV1-12-C - Solenoid Valve

2-way, 2-position, normally closed, bi-directional, poppet type solenoid valve 114 L/min (30 USgpm) • 210 bar (3000 psi)



### Operation

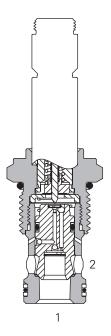
In the de-energized position the valve is blocked in both directions.

When the solenoid is energized the pilot poppet is released from the seat allowing the main poppet to open. A series of internal check valves allows full flow in both directions.

#### Features

Hardened and ground working parts. Lapped seat for low leakage. IP69K Tough coil compatibility. Continuously rated. Compact design with low pressure drop.

#### Sectional View



#### Description

This is a 2-way 2-position, bi-directional, pilot operated, normally closed poppet type screw in cartridge valve. The valve is ideal for isolating and holding actuators in position.

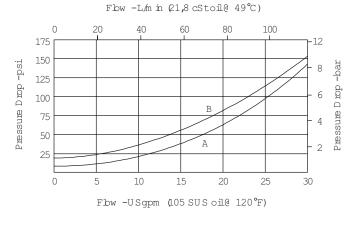
## Performance Data

Performance data is typical with flui	d at 21,8 cST (105 SUS) an	d 49°C (120°F)
Typical application pressure (all ports)		210 bar (3000 psi)
Cartridge fatigue pressure (infinite life)		210 bar (3000 psi)
Rated flow		114 L/min (30 USgpm)
Internal leakage, port 1 to port 2 and port 2 to port 1		5 drops/min, max @ 210 bar (3000 psi)
Temperature range		-40° to 100°C (-40° to 212°F)
Coil duty	(	ontinuous from 85% to 110% of nominal voltage
Cavity		C-12-2 or C-12-2U undercut is required. If undercut is not specified om and 20 psi @ 30 USgpm higher pressure drop
Fluids		All general purpose hydraulic fluids such as MIL-H-5606, SAE 10, SAE 20 etc
Filtration		Cleanliness code 18/16/13
Housing material (standard)		Aluminum or stee
Weight cartridge only		0,27 kg (0.59 lbs)
Seal kit		02-165889 (Buna-N), 02-165888 (Viton)

Viton is a registered trademark of E.I. DuPont

### **Pressure Drop**

Cartridge only



A - Port 1 to port 2 B - Port 2 to port 1

Where measurements are critical request certified drawings. We reserve the right to change specifications without notice.



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## ER1121315001

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