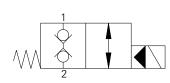
SBV11-10-C - Solenoid Valve

2-way, 2-position, normally closed, bi-directional, poppet type solenoid valve 76 L/min (20 USgpm) • 350 bar (5000 psi)



Operation

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

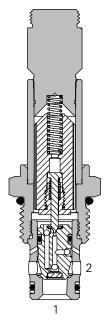
When the solenoid is energized the pilot poppet is released from the seat allowing the main poppet to open. A series of internal check valves allows full flow in both directions.

Features

Hardened and ground working parts. Lapped seat for low leakage. IP69K Tough coil compatibility. Continuously rated. Compact design with low pressure drop. 350 bar working pressure.

Sectional View

A



Description

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

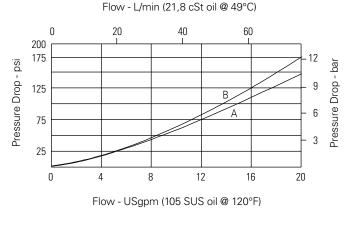
Performance Data Ratings and Specifications

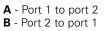
natinge and opcontroations			
Performance data is typical with fluid at 21,8 cST (105	SUS) and 49°C (120°F)		
Typical application pressure (all ports)	350 bar (5000 psi)		
Cartridge fatigue pressure (infinite life)	310 bar (4500 psi)		
Rated flow	76 L/min (20 USgpm)		
Internal leakage	5 drops/min, max @ 350 bar (5000 psi)		
Temperature range	-40° to 100°C (-40° to 212°F)		
Coil duty	Continuous from 85% to 110% of nominal voltage		
Cavity	C-10-2		
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 steel		
Weight cartridge only	0,18 kg (0.39 lbs)		
Seal kit	565806 (Buna-N), 889627 (Viton®)		

Viton is a registered trademark of E.I. DuPont

Pressure Drop

Cartridge only







available at: ATP Hydraulik AG Aahusweg 8 CH-6403 Küssnacht am Rigi www.atphydraulik.com

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



SBV11-10-C - Solenoid Valve

2-way, 2-position, normally closed, bi-directional, poppet type solenoid valve 76 L/min (20 USgpm) • 350 bar (5000 psi)

Model Code	SBV11 – 10 (V) – C		. **** L L	* H – 00
1 Function	1 2 3 4	5 6	7	8 9 10 8 Connector Types
SBV11 - Solenoid	Code Port Size	Housing Numb		Blank - No coil
bi-directional valve	Code Fort Size	-		G - ISO 4400 DIN 43650
	0 Contriduct only	Aluminium	Steel	Q - Spade terminals
2 Size	0 Cartridge only	070700		W - Flying lead
10 - 10 size	2G 1/4" BSPP	876702	02-175102	N - Deutsch (DC only) Y - Amp JR (DC only)
	- 3G 3/8" BSPP	876703	02-175103	D - Metripack 150 male
3 Seal Material	3B 3/8" BSPP	02-175462		(DC only)
Blank - Buna-N V - Viton®	6H SAE 6	876700	_	J - Metripack 280 male
V - VILON	6T SAE 6	566151	02-175100	(DC only)
4 Style	8H SAE 8	876701	_	9 Coil Series
C - Normally closed	8T SAE 8	-	02-175101	H - 10 series, 29 W
	- See section J for housing details.			For coil part numbers and dimensions
5 Valve Housing Materia				see section C.
Blank - Cartridge only	7 Voltage Rating	24A - 24VAC		
A - Aluminum	00 - No coil	115A - 115VAC		10 Special Features
S - Steel	12D - 12VDC 24D - 24VDC	230A - 230VAC		00 - None
	36D - 36VDC	12B - 12VDC/w		(Only required if valve has special
	•••	24B - 24VDC/w		features, omitted if "00.")
		*Optional arc suppre		
Dimensions mm (inch)	Torque cartridge in housing A - 47-54 Nm (35-40 ft lbs) S - 68-75 Nm (50-55 ft lbs)	Note: For applica 210 bar please co technical departn the steel body op	onsult our nent or use	
Cartridge Only	29,6 (1.16)	Installation Drav	wing (Steel)	
	38,9 .53) 22,2 (0.87) hex			22.2
57,8 (2.28) 2 0 (1.25) 1	25,4 (1.00) hex 0.875"- 14 Thd. Ø 15,81 (0.622)	WARNI Maintain	2 = = 2 = = 4.46 (1.750) 63.5 (2.50) NG n 5-8 Nm os) maximum ube nut.	19.1 (0.75)



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above 210 bar (3000 psi).



