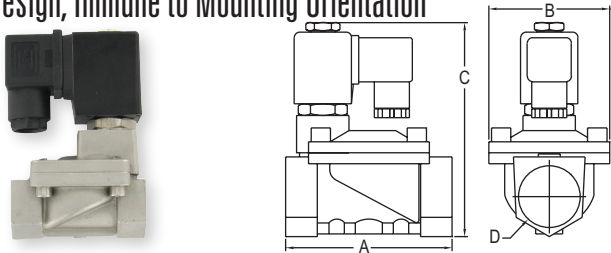


# SS SOLENOID VALVE, 2-WAY GUIDED NC

Compact Design, Immune to Mounting Orientation



Model	A in [mm]	B in [mm]	C in [mm]	D NPT	Weight lb [kg]
SBSV-S1FX	1-5/8 [41]	1-5/32 [29]	3-9/32 [83]	1/8"	0.82 [0.37]
SBSV-S2FX	1-5/8 [41]	1-5/32 [29]	3-9/32 [83]	1/4"	0.79 [0.36]
SBSV-S3FX	2-5/8 [66]	1-57/64 [48]	4-7/16 [112]	3/8"	1.65 [0.75]
SBSV-S4FX	2-5/8 [66]	1-57/64 [48]	4-7/16 [112]	1/2"	1.54 [0.7]
SBSV-S5FX	2-61/64 [75]	2-19/64 [58]	4-21/32 [118]	3/4"	1.98 [0.9]
SBSV-S6FX	3-25/32 [96]	2-49/64 [70]	5-11/64 [131]	1"	2.87 [1.3]
SBSV-S7FX	5-11/64 [131]	3-25/32 [96]	3-3/4 [146]	1-1/4"	5.73 [2.6]
SBSV-S8FX	5-11/64 [131]	3-25/32 [96]	3-3/4 [146]	1-1/2"	5.51 [2.5]
SBSV-S9FX	6-1/2 [165]	3-47/64 [120]	6-37/64 [167]	2"	9.7 [4.4]

The SERIES SBSV-S SS Solenoid Valve is compact, general-service, two-way guide type solenoid valves for air, gas, water and other liquid applications. They are available in stainless steel with a normally closed design and can be oriented in any position. The solenoid enclosure provides protection against dust, while also protecting against seepage of oil and non-corrosive coolants. The Series SBSV-B valves come assembled with an NBR seal, having a maximum process temperature of 176°F (80°C). The series offers a wide range of valve sizes and flow ranges, with connection sizes from 1/8" to 2" NPT and orifices from 3 mm to 50 mm.

### FEATURES/BENEFITS

- Can be oriented in any position
- Compact design
- Field replaceable coils

### APPLICATIONS

- Wide variety of applications, suitable air, gas, water and other liquids

MODEL CHART				
Model	Connection, NPT	Orifice in [mm]	Cv Value	Voltage
SBSV-S1F1	1/8"	0.12 [3]	0.23	110 VAC
SBSV-S2F1	1/4"	0.12 [3]	0.23	110 VAC
SBSV-S3F1	3/8"	0.51 [13]	4.5	110 VAC
SBSV-S4F1	1/2"	0.51 [13]	4.5	110 VAC
SBSV-S5F1	3/4"	0.79 [20]	7.6	110 VAC
SBSV-S6F1	1"	0.98 [25]	12	110 VAC
SBSV-S7F1	1-1/4"	1.38 [35]	22	110 VAC
SBSV-S8F1	1-1/2"	1.57 [40]	30	110 VAC
SBSV-S9F1	2"	1.97 [50]	48	110 VAC

**Note:** Consult factory for 220 VAC, 24 VAC and 24 VDC.

### SPECIFICATIONS

**Service:** Compatible gases and liquids.

**Line Size:** 1/8 to 2" NPT.

**End Connections:** Female NPT.

**Operating Pressure:** 1/8 to 1/4": 0 psi (0 bar) to 188.5 psi (13 bar); 3/8 to 2": 7.3 psi (0.5 bar) to 188.5 psi (13 bar).

**Pressure Limit:** 246.6 psi (17 bar).

**Wetted Material:** Body: 316 SS; Spring: 304 SS; Seal: Fluoroelastomer.

**Temperature Limits:** Process: 176°F (80°C); Ambient: 32 to 149°F (0 to 65°C).

**Power Requirements:** Standard: 110 VAC; Optional: 220 VAC, 24 VDC, 24 VAC consult factory. ●

**Power Consumption:** See table.

**Enclosure Rating:** NEMA 13 (IP54).

**Electrical Connection:** DIN connection.

**Other Materials:** Nylon.

**Mounting Orientation:** Any position, best if solenoid vertically above valve.

**Weight:** See table.

**Type of Operation:** NC.

**Agency Approvals:** CE.

Voltage	50 Hz (VA)		60 Hz (VA)		DC (W)
	Inrush	Holding	Inrush	Holding	
220 VAC	55	22	55	18	-
110 VAC	55	22	55	18	-
24 VAC	45	18	45	15	-
24 VDC	-	-	-	-	13

● Solenoid Coils: See page 426 (Series SRC)