

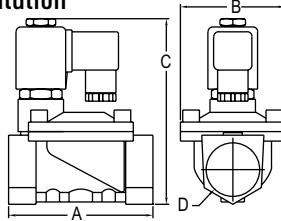
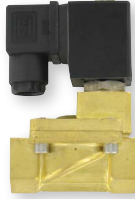
Dwyer

SERIES SBSV-B



BRASS 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-B1NX	1-5/8 [41]	1-5/32 [29]	3-9/32 [83]	1/8"	0.82 [0.37]
SBSV-B2NX	1-5/8 [41]	1-5/32 [29]	3-9/32 [83]	1/4"	0.79 [0.36]
SBSV-B3NX	2-5/8 [66]	1-57/64 [48]	4-7/16 [112]	3/8"	1.54 [0.7]
SBSV-B4NX	2-5/8 [66]	1-57/64 [48]	4-7/16 [112]	1/2"	1.98 [0.9]
SBSV-B5NX	2-61/64 [75]	2-19/64 [58]	4-21/32 [118]	3/4"	1.98 [0.9]
SBSV-B6NX	3-25/32 [96]	2-49/64 [70]	5-11/64 [131]	1"	3.09 [1.4]
SBSV-B7NX	5-11/64 [131]	3-25/32 [96]	3-3/4 [146]	1-1/4"	6.17 [2.8]
SBSV-B8NX	5-11/64 [131]	3-25/32 [96]	5-3/4 [146]	1-1/2"	5.95 [2.7]
SBSV-B9NX	6-1/2 [165]	4-47/64 [120]	6-37/64 [167]	2"	10.58 [4.8]

The **Series SBSV-B Brass Solenoid Valve** is compact, general-service, two-way guide type solenoid valves for air, gas, water and other liquid applications. They are available in brass 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.

BENEFITS/FEATURES

- 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-B1N1	1/8"	0.12 [3]	0.23	110 VAC
SBSV-B2N1	1/4"	0.12 [3]	0.23	110 VAC
SBSV-B3N1	3/8"	0.51 [13]	4.5	110 VAC
SBSV-B4N1	1/2"	0.51 [13]	4.5	110 VAC
SBSV-B5N1	3/4"	0.79 [20]	7.6	110 VAC
SBSV-B6N1	1"	0.98 [25]	12	110 VAC
SBSV-B7N1	1-1/4"	1.38 [35]	22	110 VAC
SBSV-B8N1	1-1/2"	1.57 [40]	30	110 VAC
SBSV-B9N1	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: Brass; Spring: 304 SS; Seal: NBR.

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.

Type of Operation: NC.

Weight: See table.

Compliance: 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

USA: California Proposition 65

⚠ WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

⚡ Solenoid Coils: See page 424 (Series SRC)