

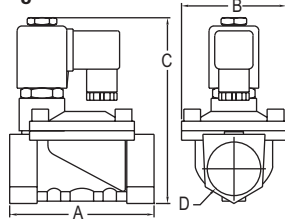
Dwyer

SERIES SBSV-B | W.E. ANDERSON™ BY DWYER



# 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.

### 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	Price
SBSV-B1N1	1/8"	0.12 [3]	0.23	110 VAC	\$33.75 <sup>(B)</sup>
SBSV-B2N1	1/4"	0.12 [3]	0.23	110 VAC	33.75 <sup>(B)</sup>
SBSV-B3N1	3/8"	0.51 [13]	4.5	110 VAC	60.50 <sup>(B)</sup>
SBSV-B4N1	1/2"	0.51 [13]	4.5	110 VAC	60.50 <sup>(B)</sup>
SBSV-B5N1	3/4"	0.79 [20]	7.6	110 VAC	65.50 <sup>(B)</sup>
SBSV-B6N1	1"	0.98 [25]	12	110 VAC	99.00 <sup>(B)</sup>
SBSV-B7N1	1-1/4"	1.38 [35]	22	110 VAC	192.00 <sup>(B)</sup>
SBSV-B8N1	1-1/2"	1.57 [40]	30	110 VAC	192.00 <sup>(B)</sup>
SBSV-B9N1	2"	1.97 [50]	48	110 VAC	289.00 <sup>(B)</sup>

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

<sup>(B)</sup> Items are subject to Schedule B discounts.

### 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. <sup>(1)</sup>

**Power Consumption:** See table.

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

**Electrical Connection:** DIN connector.

**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

USA: California Proposition 65

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

<sup>(1)</sup>Solenoid Coils: See page 424 (Series SRC)