



Series

- BSAxxxxLS1:** 2-way, 1/2" (DN15), female NPT, L.P. Steam
- BSBxxxxLS1:** 2-way, 3/4" (DN20), female NPT, L.P. Steam
- BSCxxxxLS1:** 2-way, 1" (DN25), female NPT, L.P. Steam

Features

- 2-way steam valves available in 1/2" (DN15), 3/4" (DN20), and 1" (DN25)
- Compatible with Neptronic B series (50 in.lb [5.6Nm]) actuators
- Ideal applications such as fan coils, unit ventilators and low pressure steam
- Small dimensions allow for easier installation
- Maintenance free design
- Metal characterizing equal percentage orifice- consistent efficient through life
- Cv range from 0.3 to 30 (Kv 0.26 to 26)
- More compact than a globe valve



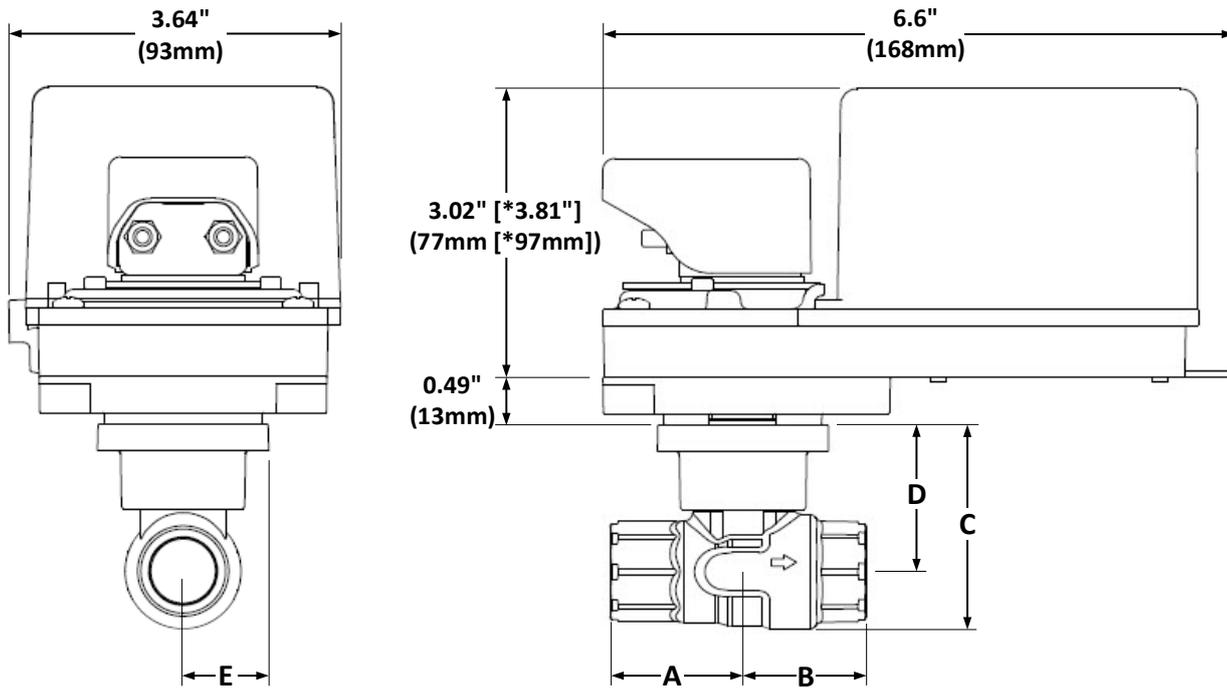
Models

Size	2-Way NPT	Cv	Kv
1/2" (DN15)	BSA0004LS1	0.3	0.26
	BSA0005LS1	0.46	0.4
	BSA0008LS1	0.8	0.7
	BSA0012LS1	1.2	1
	BSA0019LS1	1.9	1.64
	BSA0030LS1	3	2.6
	BSA0047LS1	4.7	4
	BSA0074LS1	7.4	6.4
3/4" (DN20)	BSB0019LS1	1.9	1.64
	BSB0029LS1	2.9	2.5
	BSB0047LS1	4.7	4
	BSB0074LS1	7.4	6.4
	BSB0100LS1	10	8.6
1" (DN25)	BSC0074LS1	7.4	6.4
	BSC0100LS1	10	8.6
	BSC0190LS1	19	16
	BSC0300LS1	30	26

Technical Data

Specification		All Models
Actuator Compatibility		All Neptronic B series actuators
Sizes		1/2" to 1" [DN15 to DN25]
Cv [Kv]	Range	0.3 to 30 [0.26 to 26]
Media	Type	Low Pressure Steam
	Temperature Range	0°F to 250°F [-18°C to 120°C]
Pressure	Body	600 psi [4137 kPa]
	Close-Off	200 psi [1379 kPa]
	Differential	15 psi [103 kPa]
	Max Inlet	15 psi [103 kPa]
Leakage	A-AB Port	0%
Materials	Body	Nickle-Plated Forged Brass
	Ball and Stem	316 Stainless-Steel
	Seats	PTFE
	Characterized Disc	Brass
	Stem O-Rings	EPDM
Flow	Curve	Equal %
	Pattern	2-Way
	Control	75°
Rangeability		100:1
Valve	Connection	Female NPT

Dimensions



**For actuator models 020 & 080*

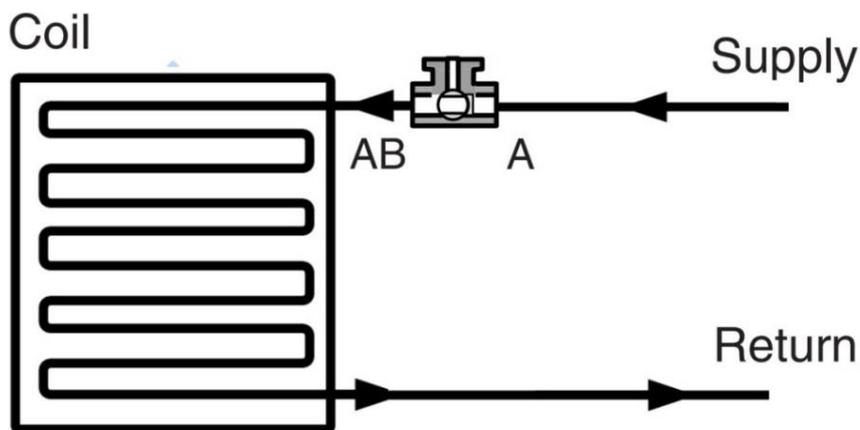
Size	½" [DN15]	¾" [DN20]	1" [DN25]
A	1.38" (35mm)	1.53" (39mm)	1.89" (48mm)
B	1.28" (33mm)	1.48" (38mm)	1.89" (48mm)
C	2.13" (54mm)	2.46" (63mm)	2.81" (72mm)
D	1.53" (39mm)	1.69" (43mm)	1.87" (48mm)
E	0.89" (22mm)	0.89" (23mm)	0.94" (24mm)

Mechanical Installation

Valve Body

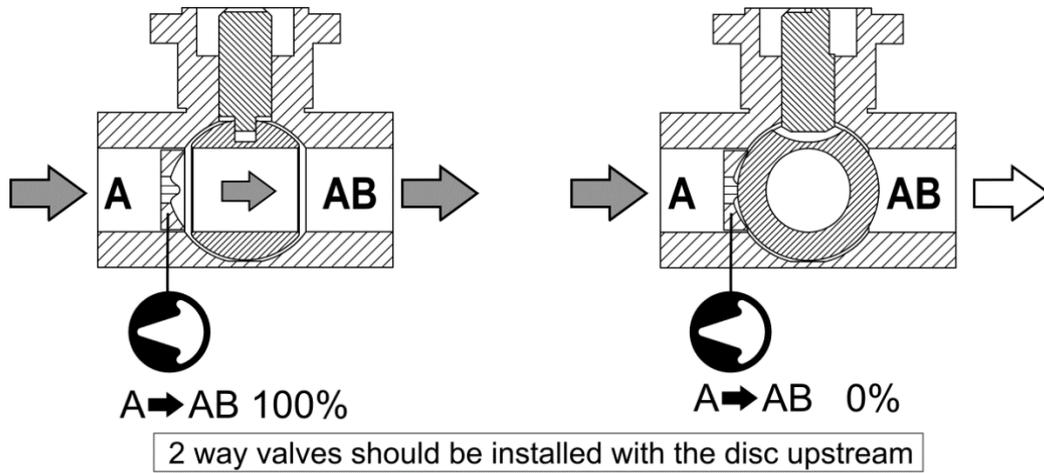
Install the valve body on the supply side according to the direction indicated on the valve's body cavity. The Neptronic 2-way steam valve is an electronically actuated ball valve. Control signal options include on/off, floating point or modulating (proportional) and are used to determine the final positioning of the ball rotation angle which determines the amount of flow going through the valve.

Valve installed on the supply side of the coil





Flow Pattern (2-Way)



Installation

Valve cannot be mounted vertically. If mounted horizontally valve must be 0° to 45° off the horizontal line across the center of the pipe. Do not install with actuator below pipe.

