Low Pressure Key Operation Ball Valves

SBVL210 Series

Features

- Locking handle in On and Off positions
- Compact design
- Low operating torques
- Variety of End connections

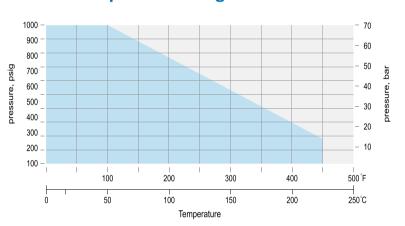
Specifications

- Pressure rating: 1000psig (69bar) @70°F (21°C)
- Temperature rating: 32°F to 445°F(0°C to 232°C)
- Body material: 316 stainless steel
- Port Connections: 1/4 to 1 in. and 6 to 25mm
- Orifice: 5.0 to 16.0mm

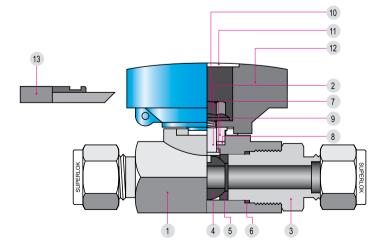
Testing

- Each and every valve is tested with nitrogen at 1000psig (69bar).
- The valves have max allowable leak rate of 0.1 cm³/min
- Shell testing can be performed upon request.

Pressure-Temperature Rating



Materials of Construction



No.	Component	Material Grade ASTM Specification
*1	Body	A185-F316 / A276-316 / A351-CF8M
*2	Stem	A276-316
*3	End Connector	A276-316
*4	Ball	A276-316
*5	Ball Seal	PTFE
*6	Connector Seal	PTFE
*7	Lower Stem Seal	PTFE
*8	Upper Stem Seal	PTFE
*9	Stem Washer	A276-304
10	Nut	Stainless Steel
11	Handle Cap	Aluminum
12	Handle	Aluminum
13	Master Key	Zinc

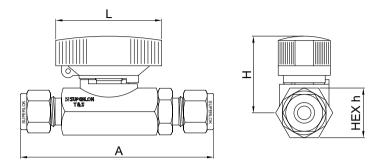
^{*} Wetted components

⁻ Components can limit the pressure and temperature ranges of the valve. Please consult BMT (SUPERLOK) sales representative for your specific application.

Key Operation Ball Valves SBVL210 Series

Table of Dimensions

SBVL210 Series



Part No.		Orifice	Cv	End Connection	Dimensions			
				End Connection	h	Α	Н	L
SBVL 210	S6M	F 0	1.25	6mm SUPERLOK	10.0	79.8	32.3	42.0
	S4 5.0	5.0		1/4" SUPERLOK	18.0			
	S10M	7.0	2.5	10mm SUPERLOK	22.2	91.5	35.6	50.0
	S6			3/8" SUPERLOK				
	S12M	9.0	9.5	12mm SUPERLOK	27.0	101.4	37.6	50.0
	S8			1/2" SUPERLOK	27.0			
	S16M	12.5	10.7	16mm SUPERLOK	24.0	107.0	/0 /	60.0
	S12 12.5	12.7	3/4" SUPERLOK	31.8	107.0	40.4	60.0	
	S25M S16	17.5	25mm SUPERLOK	20.1	131.0	43.5	60.0	
			1" SUPERLOK	38.1				

⁻ Dimensions and Drawings are for reference only and are subject to change without prior notice.

⁻ Unless otherwise specified, all dimensions are in millimeters.

⁻ Sizes, pressure classes, and end connections not listed are available upon request.

⁻ Dimensions shown with SUPERLOK nuts finger-tight, where applicable.

Ordering Information

Example:
$$\frac{SBVL 210}{1} - \frac{S8}{23} - \frac{RD}{4} - \frac{OT}{5}$$

1. Valve Series

□ SBVL210

3. End Connection Size

Tube O.D

Tube O.D (inch)	1/4	3/8	1/2	3/4	1
Designator	4	6	8	12	16
Tube O.D (inch)	6	10	12	16	25
Designator	6M	10M	12M	16M	25M

4. Handle Color

- □ (Blank)= Blue (Standard)
- □ **RD** = Red
- □ **BK** = Black

2. End Connection

- □ **S** = SUPERLOK Tube Fitting
- □ **F** = Female Thread
- □ **M** = Male Thread

Pipe Thread

Size (inch)	1/4	3/8	1/2	3/4	1
Screwed BSPT	4R	6R	8R	12R	16R
Screwed NPT	4N	6N	8N	12N	16N

5. Valve Type*

- □ (Blank) = Standard Type
- □ **OT** = Open Free Type
- \Box CT = Close Free Type

^{*} Please refer to 270 for the valve types.