

SG-LOK

Key Lock Ball Valve



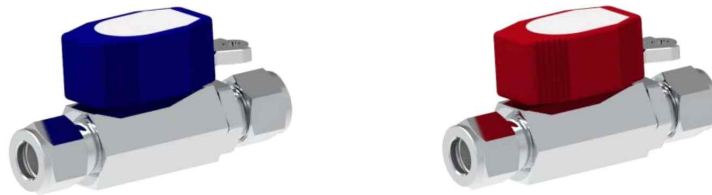
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General

The SG-HBVK series are the moderate-pressure ball valves for general service. These valves are compact in size and structure and have relatively large ports for high flow, tight shutoff, long-life service and low operating torque and this series can be used for bi-directional flow. These perform on/off service.

SG-HBVK series is rated to max. 1000 psig (69 bar) with standard PTFE seat.

- Maximum Allowable Working Pressure : 1000psig (69bar) with PTFE seat
- Maximum Allowable Working Temperature : 38°C (100°F) with PTFE, 170°C (338°F) with PEEK
- Flow Coefficient (Cv) : 1.4 to 17.4
- Size range : 1/4" to 1" or 6mm to 25mm

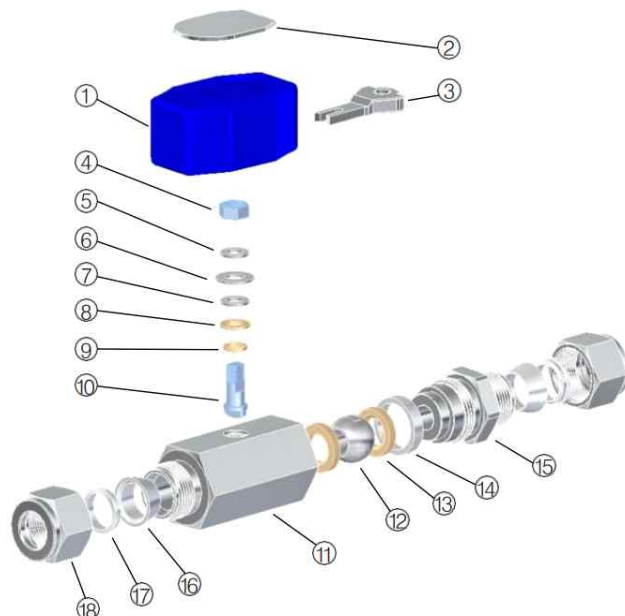


Features

- Locking handle in on and off position
- Blow-out proof design with internally loaded stem
- Floating Ball design providing seat wear compensation
- Micro-finished ball ensures a leak-tight shut-off on pressure
- Low torque for easy operation
- Compact and one piece ball valve with female configuration

Materials of Construction

No.	Description	Materials
1	Handle for Locking	Nylon
2	Name Plate	AL
3	Key	304SS
4	Locking Nut	304SS
5	Spring Washer	304SS
6	Disc Washer	304SS
7	Flat Washer	304SS
8	Stem Packing	PTFE
9	Stem Seat	PTFE
10	Stem	316SS
11	Body	316SS
12	Ball	316SS
13*	Ball Seat	PTFE or Others
14	Gasket	PTFE
15	Connector	316SS
16	Front Ferrule	316SS
17	Back Ferrule	316SS
18	Nut	316SS



* Ball Seat : PTFE(standard), PCTFE, PEEK(option)

How To order

- SG-HBVK series ball valves are ordered by part number as shown as below.

Example:

The following part number, SG-HBVKU-08T-R is designated for key lock ball valve with 1/2" both SG-LOK tube fitting, red colored handle, and PTFE seat.

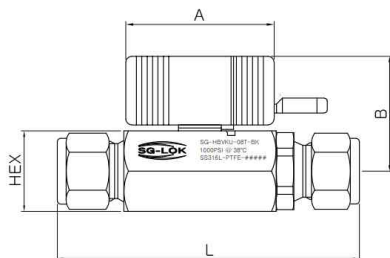
SG	-	HBVK	-	U	-	08T	-	R	-	
SG-LOK		Key Lock Ball Valve		End Connection Type		Connection Size		Handle Color		Seat Material

End Connection Type	U	Both SG-LOK Tube Fitting
	F	Both Female NPT or PT
	T	Tube Butt Weld & SG-LOK Tube Fitting

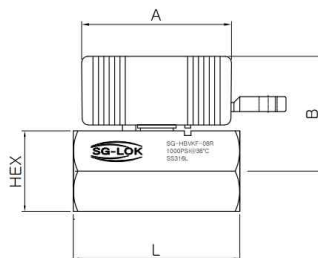
Connection Size	Fractional (Inch) Tube O.D. Designation						
	Tube O.D.	inch	1/4	3/8	1/2	3/4	1
		mm	6.35	9.52	12.7	19.05	25.4
	Designator		04T	06T	08T	12T	16T
	Metric Tube O.D. Designation						
	Tube O.D.	mm	6	10	12	18	25
	Designator		06M	10M	12M	18M	25M
	Pipe Thread Designation						
	Thread Size	inch	1/2		3/4		1
	Designator	PT	08R		12R		16R
		NPT	08N		12N		16N
	Weld Tube Size Designation						
	Pipe Size	inch	1/2		3/4		1
	Designator		08T		12T		16T
	Weld Pipe O.D. Designation						
	Pipe O.D.	inch	1/2		3/4		1
mm		21.7		27.2		34	
Designator		15A		20A		25A	

Handle Color	B	Blue	Seat Material	none	PTFE
	R	Red		C	PCTFE
	BK	Black		P	PEEK

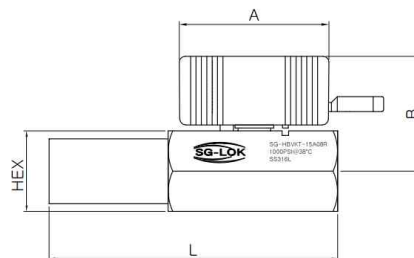
Ordering Information & Dimension



< SG-HBVKU >



< SG-HBVKF >



< SG-HBVKT >

End Connection Type		Designation	Orifice (mm)	Cv	Dimensions (mm)			
					L	A	B	Hex
U	04T	1/4" SG-LOK	5.0	1.4	88.4	50.4	35.5	20.63
	06T	3/8" SG-LOK	7.5	2.6	91.3	50.4	35.5	20.63
	08T	1/2" SG-LOK	9.0	9.3	101.6	50.4	38.5	26.98
	12T	3/4" SG-LOK	12.5	12.7	106.9	50.4	40.9	31.75
	16T	1" SG-LOK	16.0	17.4	134.0	50.4	44.5	38.10
	06M	6mm SG-LOK	5.0	1.4	88.4	50.4	35.5	20.63
	10M	10mm SG-LOK	7.5	2.6	91.3	50.4	35.5	20.63
	12M	12mm SG-LOK	9.0	9.3	101.6	50.4	38.5	26.98
	18M	18mm SG-LOK	12.5	12.7	106.9	50.4	40.9	31.75
	25M	25mm SG-LOK	16.0	17.4	134.0	50.4	44.5	38.10
F	04R(N)	1/4" Female (N)PT	5.0	1.4	45.0	50.4	35.5	20.63
	06R(N)	3/8" Female (N)PT	7.5	2.6	45.0	50.4	35.5	20.63
	08R(N)	1/2" Female (N)PT	9.0	9.3	56.0	50.4	38.5	26.98
	12R(N)	3/4" Female (N)PT	12.5	12.7	63.0	50.4	40.9	31.75
	16R(N)	1" Female (N)PT	16.0	17.4	78.0	50.4	44.5	38.10
T	08T-FP(N)	1/2" Tube-F(N)PT 1/2	9.0	9.3	97.0	50.4	38.5	26.98
	12T-FP(N)	3/4" Tube-F(N)PT 3/4	12.5	12.7	99.0	50.4	40.9	31.75
	16T-FP(N)	1" Tube-F(N)PT 1"	16.0	17.4	115.0	50.4	44.5	38.10
	15A-FP(N)	1/2" Pipe-F(N)PT 1/2	9.0	9.3	97.0	50.4	38.5	26.98
	20A-FP(N)	3/4" Pipe-F(N)PT 3/4	12.5	12.7	99.0	50.4	40.9	31.75
	25A-FP(N)	1" Pipe-F(N)PT 1	16.0	17.4	115.0	50.4	44.5	38.10

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