

SG-LOK Rec. Ball Valve



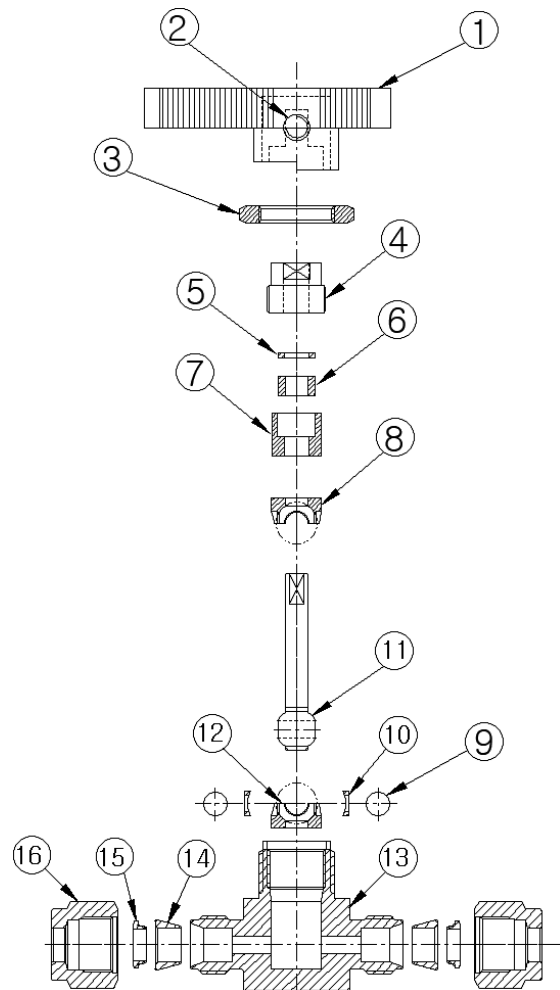
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Features

- Pressure rating with standard PTFE seats is 3000psig (206bar) only for the valves with orifice 4.8 and 2500psig (172bar) for the other valves.
- Temperature rating from 10 °C(50 °F) to 65 °C(150 °F) with standard PTFE packing.
- Compact designed one piece body to reduce space and possible leak point.
- One piece integral ball stem to eliminate backlash and to encapsulate ball seats perfectly.
- Panel mounting for easy installation.
- Wide choice of end connections : SG-LOK tube fittings, Female NPT or ISO7/1(PT) thread

Materials of Construction

No.	Description	Materials
1	Handle	Nylon
2	Set Screw	304SS
3	Panel Nut	304SS
4	Packing Bolt	316SS
5	Upper Gland	316 SS
6	Lower Bushing	PTFE
7	Lower Gland	316SS
8	Upper Packing	PTFE
9	Side Disk-close	316 SS
10	Side Disk-open	316 SS
11	Ball Stem	316 SS
12	Lower Packing	PTFE
13	Body	316SS
14	Front Ferrule	316SS
15	Back Ferrule	316SS
16	Nut	316SS



How To order

- SG-LOK Rectangular Ball Valves are ordered by part number as shown below.

Example:

The following part number, SG-RBV1T-04 is designated for a RBV1 series ball valve with 1/4" SG-LOK tube fitting, SS316.

SG	—	RBV		1		T	—	04
SG-LOK		Valve Type		Body Size		End Connection Type		Connection Size

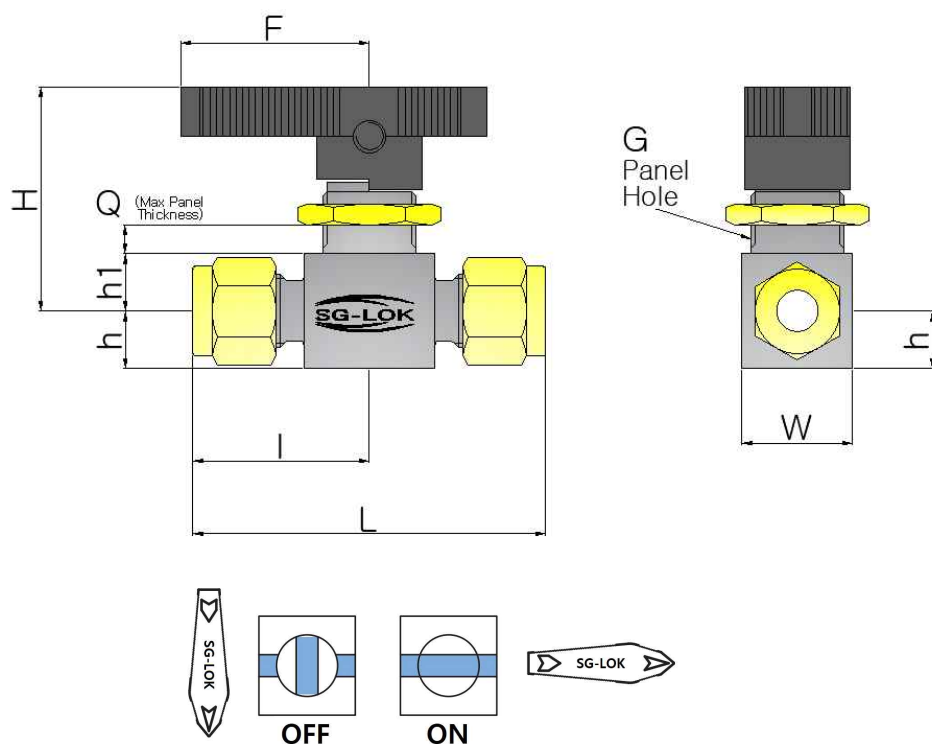
Valve Type	RBV means 2 way type rectangular ball valve.
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Body Size	Refer to 1~4 Body Size in dimension table.
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End Connection Type	T	SG-LOK Tube Fitting
	F	Female NPT or PT

Connection Size	Fractional (Inch) Tube O.D. Designation					
	Tube O.D.	inch	1/8	1/4	3/8	1/2
		mm	3.17	6.35	9.52	12.7
	Designator		02	04	06	08
	Metric Tube O.D. Designation					
	Tube O.D.	mm	6	10	12	
	Designator		06M	10M	12M	
	Pipe Size Designation (NPT or PT)					
	Pipe Size		1/4	3/8	1/2	
	Designator		04N/R	06N/R	08N/R	

Ordering Information & Dimension



Part No.		End Connections		Orifice	CV	Dimensions (mm)								
		Inlet	Outlet			L	I	h	h1	H	G	Q	W	F
RBV1	T-02	1/8" SG-LOK		2.3	0.2	51	25.5	8.8	8.8	34	15	4.8	14.6 or 17	28
	T-03M	3mm SG-LOK			0.2	50.8	25.4							
	T-04	1/4" SG-LOK		3.2	0.6	55.4	27.7							
	T-06M	6mm SG-LOK			0.6	55.4	27.7							
	F-02N	1/8" Female NPT			0.5	41.2	20.6							
RBV2	T-04	1/4" SG-LOK		4.8	1.4	62.6	31.3	10	10.6	39.6	19.8	4.8	19.8	40
	T-06	3/8" SG-LOK			1.5	66.6	33.3							
	T-06M	6mm SG-LOK			1.4	62.6	31.3							
	T-08M	8mm SG-LOK			1.5	63.2	31.6							
	F-02N	1/8" Female NPT			1.2	50.8	25.4							
	F-04N	1/4" Female NPT			0.9	52.4	26.2							
RBV3	T-06	3/8" SG-LOK		7.1	6	77.8	38.9	14.3	14.5	52.8	28	9	28.6	51
	T-10M	10mm SG-LOK			6	77.8	38.9							
	F-04N	1/4" Female NPT			3	63.6	31.8							
	F-06N	3/8" Female NPT			2.6	63.6	31.8							
RBV4	T-08	1/2" SG-LOK		10.3	12	98.6	49.3	18	17.5	61.9	38.1	9.4	38.1	76.2
	T-12	3/4" SG-LOK			6.4	99.2	49.6							
	T-12M	12mm SG-LOK			12	98.8	49.4							
	T-20M	20mm SG-LOK			6.4	100	50							
	F-08N	1/2" Female NPT			6.3	80	40							

Female ISO7/1 Tapered Threads (PT) are available for all fractional sizes of RBV series valves. Add "R" as a suffix instead of "N".

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