

Stainless Steel Float Valve : Model SY



●Operating Conditions:

MODEL		SY							
Nominal Size	mm	15	20	25	40	50	65	80	100
	inch	1/2	3/4	1	1-1/2	2	2-1/2	3	4
Applicable Fluid		Water							
Working Temperature		0 to 100°C							
Working Pressure (inlet)		above 0 to 1.0MPa							
Shell Test Pressure		1.75MPa							

●Basic Application:

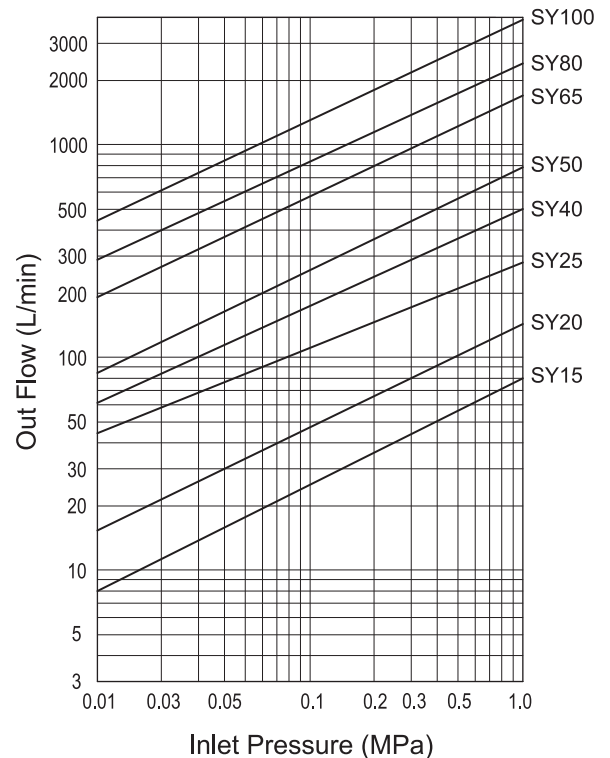
These float valves use the weight and buoyancy of their float to keep water levels constant inside water reservoir tanks. SY float valves cannot only be used with tap water, but can also be used with special fluids, such as pure water, seawater etc.

●Features:

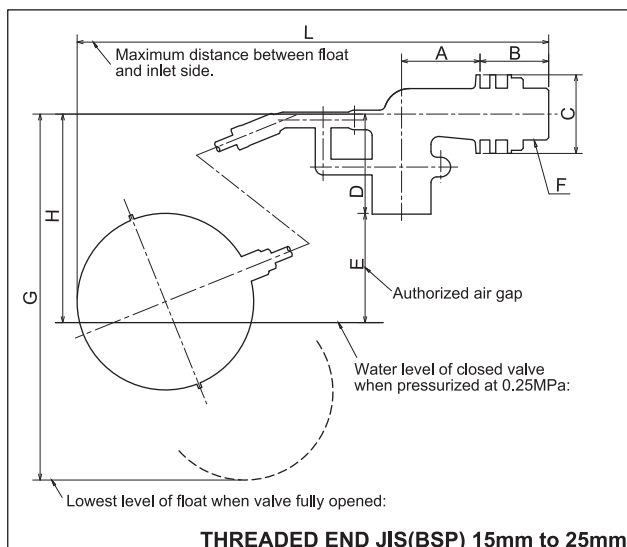
1. The S.S316 stainless steel body and parts prevent stains and rust.
2. Lost wax casting provides the benefits of thin walls and lightness.
3. SY 15~25 are double fulcrum type valves.
4. SY40-100 are pressure-balanced, double-linked types with built-in strainers. They don't fluctuate with water pressure.
5. SY can minimize water waves with a wide skirt.

※ S.S.316=316S31(BS),S31600(ASTM)

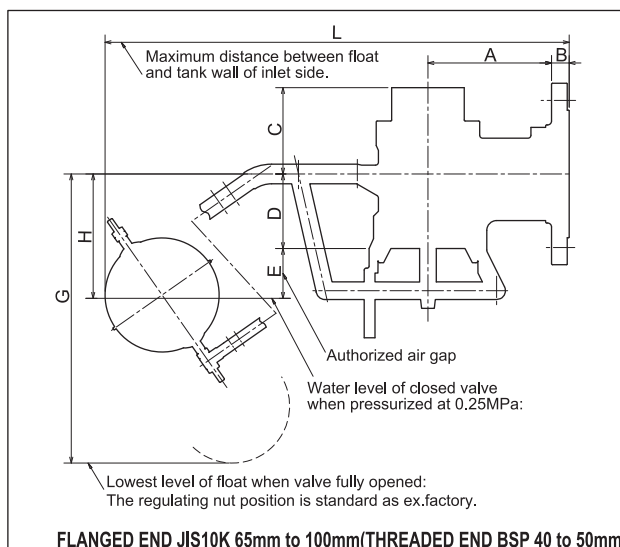
●Flow Characteristics:



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THREADED END JIS(BSP) 15mm to 25mm



FLANGED END JIS10K 65mm to 100mm(THREADED END BSP 40 to 50mm)

●Dimensions:

unit:mm

Nom.size		A	B	C	D	E	L	H	F	Allowance of E	G	Length of Lever arm	Float	Connection Standard
mm	inch													
15	1/2	30	35	33	41	70	(363)	111	PJ1/2	±20	(277)	150	100	JIS B 2061 ※
20	3/4	40	35	40	51	85	(462)	136	PJ3/4	±20	(361)	210	120	
25	1	50	38	50	55	100	(586)	155	PJ1	±20	(474)	280	150	
40	1-1/2	68	23	56	41	100	(566)	141	R1-1/2	±25	(389)	280	120	JIS B 0203 & BS21
50	2	68	26	56	47	100	(598)	147	R2	±25	(417)	280	150	
65	2-1/2	120	24	88	76	130	(890)	206	^{2-1/2} JIS10K F	±30	(593)	432	180	JIS B 2240
80	3	120	24	88	76	140	(930)	216	³ JIS10K F	±30	(654)	482	180	
100	4	140	24	104.5	87	150	(1007)	237	⁴ JIS10K F	±30	(654)	534	180	

※ JIS B 2061 thread is able to use for BS21 thread.

() Rough estimate

●Materials: 15 to 25mm

Description	Material
Body	S.S.316
Guide	S.S.316
Disc / Option	FKM / NBR,EPDM,PTFE
Lever A	S.S.316
Rink	S.S.316
Lever B	S.S.316
Lever Arm	S.S.316
Float	S.S.316L/S.S.316(25mm)

※ S.S.316=316S31(BS),S31600(ASTM)

S.S.316L=316S11(BS),S31603(ASTM)

※ Casting Material: 316C16(BS) equivalent
: CF8M(ASTM)

●Materials: 40 to 100mm

Description	Material
Body	S.S.316
Valve Spindle	S.S.316
Strainer	S.S.316
Lever A	S.S.316
Joint	S.S.316
Cylinder	S.S.316
Disc / Option	FKM / NBR,EPDM,PTFE
Guide	S.S.316
Lever B	S.S.316
Lever Arm	S.S.316
Float	S.S.316L(40mm)/S.S.316

※ S.S.316=316S31(BS),S31600(ASTM)

S.S.316L=316S11(BS),S31603(ASTM)

※ Casting Material: 316C16(BS) equivalent
: CF8M(ASTM)