

JIS

ANSI/ASTM

DIN/ISO

ESLON PNEUMATIC BALL VALVE TYPE S (Mount Type)



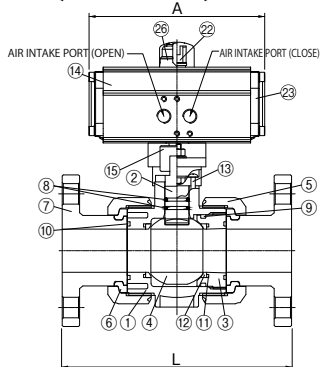
- ⊙ Light weight and compact aluminum actuator.
- ⊙ Excellent chemical & corrosion resistance.
- ⊙ High durability.
- ⊙ Air pressure for open/close operation : 0.4MPa.
- ⊙ Manual side wheel handle for open/close is available.
- ⊙ Box type of Limit switch is available as optional accessory.
- ⊙ Conformity with NAMUR standard.

Conforming Standard

Connection	Standard	Classification
Flange	JIS10K	JIS B 2220
	ANSI	ASME / ANSI B16.5
	DIN/ISO	DIN EN 1092-1 PN-10
Socket	JIS	JIS K 6743, AS21(65A)
	ASTM	ASTM D2467
Thread	DIN/ISO	DIN8063
	JIS	JIS B 0203(Rc)
	ANSI	ANSI B1.20.1(NPT)
Butt	DIN/ISO	DIN8077 (PP)
		ISO10931 (PVDF)

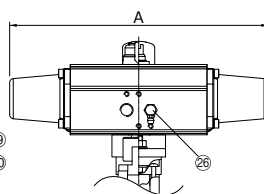
*For flange, dimension of bolt holes conforming the standards

● Flange Type (Double Action)



[Air To Open&Close]

[Box type of Limit switch]



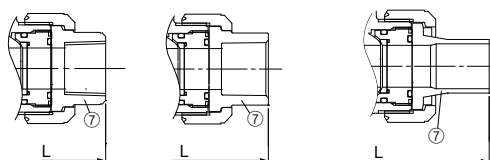
Parts List

No.	Part Name	Q'ty	Material
①	Body	1	PVC or HT
②	Stem	1	PVC or HT
③	Ball Stopper	-	PVC or HT
④	Ball	1	PVC or HT
⑤	Union Nut	2	PVC or HT
⑥	Set Ring	2	PVC or HT
⑦	Connections	2	PVC or HT
⑧	Stem O-Ring	-	EPDM or FKM
⑨	Ball Stopper O-Ring	-	EPDM or FKM
⑩	Union O-ring	2	EPDM or FKM
⑪	Ball Seat O-Ring	2	EPDM or FKM
⑫	Ball Seat	2	PTFE
⑬	Tapping Screw	4	SUS304
⑭	Cylinder	1	AL6063
⑮	Connector	1	AL6061

No.	Part Name	Q'ty	Material
⑯	Hexagon Nut	2	SUS304
⑰	Washer	4	SUS304
⑱	Hexagon Bolt	2	SUS304
⑲	Yoke	1	GF-PP
⑳	Yoke	2	GF-PP
㉑	Insert Nut	2	C3601
㉒	Shaft	1	15-25A S10C 32-50A SCM435
㉓	Cover	2	AL12
㉔	Adjust Bolt	2	SUS304
㉕	Cover Bolt	8	SUS304
㉖	Cylinder Ventilation Plug	1	C3601+Cr Coated
㉗	Shaft Cover	1	PA+PE

*Under development for PP,PVDF.
*Stem O-ring material will be FKM+PTFE in case of oil free.

● Thread Type ● TS Socket Type ● Butt Type



Size Flange type·Thread type·TS socket type·Butt type

Size		L				h		A		B		X	Max. Working Pressure at Room Temp. (MPa)	Air Consumption (l/time/unit)		Weight (kg/pc)				Actuator	
A	B	Flange	Thread	TS Socket	Butt	Double Action	Air To Open & Close	Double Action	Air To Open & Close	Double Action	Air To Open & Close			Double Action	Air To Open & Close	Double Action	Air To Open & Close	Double Action	Air To Open & Close	Double Action	Air To Open & Close
15	1/2	143	97	109	143	109	147	70	133	45	75	27.0	1.0	0.15	0.05	0.7	0.5	1.6	1.3	RD32	RS50
20	3/4	172	117	132	152	114	152	70	133	45	75	32.0	1.0	0.15	0.05	0.9	0.6	1.7	1.4	RD32	RS50
25	1	187	128	143	161	146	162	97	133	60	75	37.0	1.0	0.20	0.05	1.6	1.1	2.0	1.6	RD40	RS50
32	1 1/4	190	146	166	167	170	170	162	257	75	75	42.0	1.0	0.24	0.11	2.6	2.1	2.9	2.3	AD50	AS50
40	1 1/2	212	163	175	190	193	193	162	257	75	75	57.0	1.0	0.24	0.11	3.2	2.6	3.5	2.8	AD50	AS50
50	2	234	188	203	216	199	216	162	314	75	89	67.0	1.0	0.24	0.24	4.1	3.1	5.6	4.7	AD50	AS65
65	2 1/2	259	227	259	208	245	264	202	430	89	101	81.0	1.0	0.49	0.48	6.8	5.7	9.5	8.5	AD65	AS80
80	3	304	278	311	301	256	275	202	430	89	101	99.7	1.0	0.49	0.48	9.1	8.2	11.9	11.0	AD65	AS80
100	4	372	330	390	340	319	341	262	500	101	129	119.7	1.0	1.02	0.86	18.4	17.5	21.1	20.2	AD80	AS100

Option

Solenoid valve	Speed controller
Limit switch	Regulator with filter
Pneumatic positioner	Side Handle
Electro pneumatic positioner	Opening and closing adjustment

*Various optional accessories can be attached on request.

Max. Operating Temperature

Material	Max. (°C)
PVC	50
HT	90
PP	80
PVDF	100

Standard Operating Air Pressure

Standard	Double Action	Air To Open & Close
	0.4MPa	0.4MPa

Air Supply Port

Double Action	15~25A	Rc 1/8	32~100A	Rc 1/4
Air To Open & Close	15~100A	Rc 1/4		

Important Notes

- Gasifying, volatile, or evaporating fluid such as hydrogen peroxide and sodium hypochlorite might rise inner pressure of valve and burst the valve. Please contact us concerning such risk. Gas relief type of customized ball valve which has relief orifice on the ball is available.
- Do not use for the fluid containing slurry, solid, sediment, or crystallized fluid. Or for those kinds of fluid, strainer should be used in upstream.

