

JIS10K

ANSI

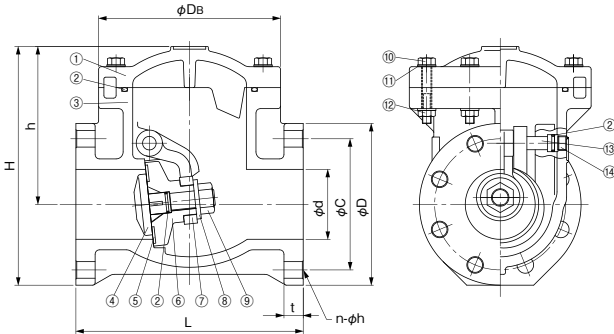
DIN/ISO

ESLON CHECK VALVE SWING TYPE



- Low pressure loss and reliable checking performance even with small differential pressure.
- Superior durability and high pressure resistance.
- Superior corrosion & chemical resistance as all plastic component for contact parts with medium.
- Light weight in 1/4 - 1/5 of cast-iron valve provides easier handling and installation.

Flange Type



Parts List

No.	Part Name	Q'ty	Material	No.	Part Name	Q'ty	Material
①	Bonnet	1	PVC, PP or PVDF	⑧	Washer	1	PVC, PP or PVDF
②	O-ring	3	EPDM or FKM	⑨	Hexagon Nut	1	PVC, PP or PVDF
③	Body	1	PVC, PP or PVDF	⑩	Hexagon Bolt	—	SUS304
④	Gasket Stopper	1	PVC or PVDF	⑪	Washer	—	SUS304
⑤	Gasket	1	EPDM or PTFE	⑫	Hexagon Nut	—	SUS304
⑥	Gate	1	PVC, PP or PVDF	⑬	shaft	1	PVC, PP or PVDF
⑦	Arm	1	PVC, PP or PVDF	⑭	Plug	1	PVC, PP or PVDF

Quantity of ⑩ - ⑫ marked, please refer to the dimension table.

Size

Size		d	L	H	h	Da	Flange (JIS 10K)				Numbers of Bolt	Numbers of Nut	Weight (kg/pc)			Q'ty per Carton
A	B						D	C	t	n-φ			PVC	PP	PVDF	
15	1/2	21	140	143	93	112	100	70	14	4-15	6	6	1.0	0.8	1.3	2
20	3/4	21	140	143	93	112	100	75	14	4-15	6	6	1.0	0.8	1.3	2
25	1	25	160	180	118	132	125	90	14	4-19	6	6	1.6	1.3	2.2	2
32	1 1/4	40	180	206	136	148	140	100	18	4-19	6	6	2.7	1.9	3.3	2
40	1 1/2	40	180	206	136	148	140	105	18	4-19	6	6	2.7	1.9	3.3	2
50	2	51	200	229	152	180	155	120	20	4-19	8	8	3.6	3.0	4.5	2
65	2 1/2	67	240	254	166	200	175	140	22	4-19	8	8	4.8	3.8	6.0	2
80	3	80	260	270	178	208	185	150	22	8-19	8	8	5.8	4.3	7.5	2
100	4	100	300	318	213	265	210	175	24	8-19	12	12	9.4	7.3	11.8	1
125	5	125	350	372	247	330	250	210	24	8-23	12	12	16.4	12.7	21.0	1
150	6	150	400	420	280	375	280	240	26	8-23	12	12	20.1	16.0	26.0	1
200	8	200	500	494	329	425	330	290	30	12-23	16	16	31.7	27.0	44.0	1

*Size 15A is same as 20A and size 32A is same as 40A, it is fabricated to long bolt hole of the flange.
 *D, DB, H, h, C, and t dimension of PP/PVDF type might differ from the dimension table.

Minimum Operating Pressure (Gasket: EPDM)

Size (A)		15	20	25	32	40	50	65	80	100	125	150	200
Vertical Piping	Min. Opened Pressure	10											
	Min. Closed Pressure	30											
Horizontal Piping	Min. Opened Pressure	10											
	Min. Closed Pressure	30											

*The pressure in the above table has tolerance.

Usable Liquid Temperature & Maximum Working Pressure

Material	Usable Temperature (°C)	max. Working Pressure at Room Temp (MPa)			
		EPDM-PTFE			
		15~80A	100~150A	200A	
PVC	0~50	1.0	0.7	0.5	
PP	0~80	1.0	0.7	0.5	
PVDF	0~100	1.0	0.7	0.5	

Important Notes

Fluid containing slurry, solid, sediment, or crystallized fluid might disable checking and sealing.

Conforming Standard

Connection	Standard	Classification
Flange	JIS10K	JIS B 2220
	ANSI	ASME / ANSI B16.5
	DIN/ISO	DIN EN 1092-1 PN-10

*For flange, dimension of bolt holes conforming the standards