

JIS10K

ANSI

DIN/ISO

ESLON BUTTERFLY VALVE GEAR TYPE



- Reliable sealing performance as spherical disc and preventive flange design against over-tightening.
- Changeable assembled direction of worm gear handle into opposite even after installation.
- Exchangeable into lever type or automatic type by dismantling worm gear.
- Positioning pin for easy piping work (JIS10K)
- Long Spindle Type, Chain Wheel Type, and Lockable handle type available.

Parts List (40A ~ 300A)

No.	Part Name	Q'ty	Material	No.	Part Name	Q'ty	Material
①	Body	1	PVC, PPorPVDF	⑨	Gasket	1	EPDM
②	Disc	1	PPorPVDF	⑩	Washer	4	SUS304
③	Shaft	1	SUS420J2orSUS316	⑪	Spring Washer	4	SUS304
④	Seat ring	1	EPDMorFKM	⑫	Hexagon Bolt	4	SUS304
⑤	O-ring (1)	2	EPDMorFKM	⑬	indicator	1	ABS
⑥	O-ring (2)	1	EPDMorFKM	⑭	Shaft Cover	1	PVC
⑦	Housing cover	1	GF-PP	⑮	Handle	1	ABS
⑧	Housing	1	GF-PP	⑯	Cap	1	PP

*For sea water application, the stem material must be SUS316. Please contact us as in advance.

Parts List (350A ~ 600A)

No.	Part Name	Q'ty	Material	No.	Part Name	Q'ty	Material
①	Body	1	PVC, PPorPVDF	⑩	Washer	4	SUS304
②	Disc	1	PPorPVDF	⑪	Spring Washer	4	SUS304
③	Shaft	1	SUS420J2orSUS316	⑫	Bolt	4	SUS304
④	Seat ring	1	EPDMorFKM	⑬	Indicator	1	AL
⑤	O-ring	2	EPDMorFKM	⑭	O-ring	1	EPDM
⑥	O-ring	1	EPDMorFKM	⑮	Cap	1	PP
⑦	Worm Gear Box	1	-	⑯	Reinforcement (Only for PP)	2	S45C+Painting
⑧	Handle	1	FC	⑰	Insert(450~600A)	8	C3604
⑨	Rock Pin	1	SUS304				

Conforming Standard

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

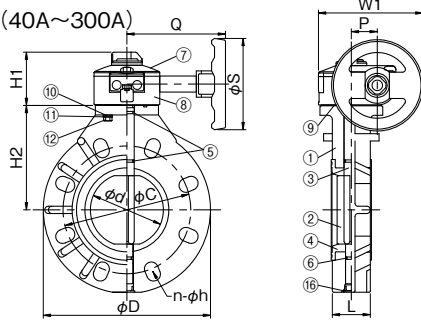
Important Notes

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

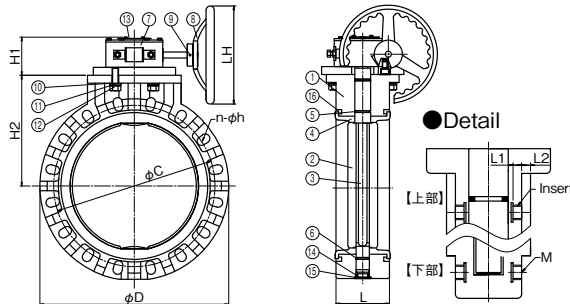
*For flange, dimension of bolt holes conforming the standards.

Unit:mm

● Gear Type (40A~300A)



● Gear Type (350A~600A)



Size

Gear Type (40A~300A)

Size		L	φD			Flange (JIS 10K)		H1	H2			W1	P	Q	φS	Weight (kg/pc)			Q'ty per Carton
A	B		PVC	PP	PVDF	φC	n-φh		PVC	PP	PVDF					PVC	PP	PVDF	
40	1 1/2	33	140	138	136	105	4-19	72	105	103	102	143	36	135	125	2.1	2.0	2.2	1
50	2	43	155	152	150	120	4-19	72	112	110	109	143	36	135	125	2.3	2.1	2.5	1
65	2 1/2	46	178	174	174	140	4-19	72	123	121	119	143	36	135	125	2.7	2.5	2.9	1
80	3	46	196	192	190	150	8-19	72	130	127	126	143	36	135	125	3.0	2.8	3.3	1
100	4	52	229	225	223	175	8-19	72	152	149	147	143	36	135	125	3.8	3.6	4.2	1
125	5	56	254	249	251	210	8-23	84	169	166	164	235	68	178	210	5.9	5.4	6.6	1
150	6	60	286	280	278	240	8-23	84	178	174	173	235	68	178	210	7.5	6.8	8.5	1
200	8	71	343	336	331	290	12-23	84	230	225	223	235	68	178	210	9.3	8.4	10.9	1
250	10	73	410	402	397	355	12-25	115	250	245	243	353	88	270	350	19.3	17.8	21.9	1
300	12	114	485	477	474	400	16-25	115	280	274	272	353	88	270	350	26.4	24.5	30.8	1

*Only PVC JIS10K type has centering pin A. *Disc full-open / full close by 5 times of handle rotation for 40-100A, 10 times of handle rotation for 125-300A. *Bolt hole is applied to JIS10K, ANSI, and DIN standards.

Gear Type (350A~600A)

Size		L	φD	H1	H2	LH	Flange (JIS 10K)			Weight (kg/pc)			Q'ty per Carton
A	B						φC	n-φh	Insert	PVC	PP	PVDF	
350	14	129	535	105	325	310	445	16-25	-	39.0	37.0	51.3	1
400	16	169	597	130	350	310	510	16-27	-	46.4	44.5	61.0	1
450	18	179	635	155	370	310	565	20-27	M24	81.3	78.4	104.0	1
500	20	190	700	155	410	407	620	20-27	M24	98.1	95.0	125.0	1
600	24	209	815	155	465	407	730	24-33	M30	144.0	140.0	181.0	1

*Handle will be full-open / full close by 12.5 times for 350-400A, 16 times for 450-600A.

*Bolt holes in size 350,400A multi-conforming to JIS10K, ANSI, and DIN standards.

Usable Liquid Temperature & Maximum Working Pressure

Material	Usable Temperature (°C)	Max. Working Pressure at Room Temp				
		40~300A	350A	400A	450A	500~600A
PVC	0~50	1.0	0.75	0.6	0.5	0.35
PP	0~80	1.0	0.75	0.6	0.5	0.35
PVDF	0~120	1.0	0.75	0.6	0.5	0.35