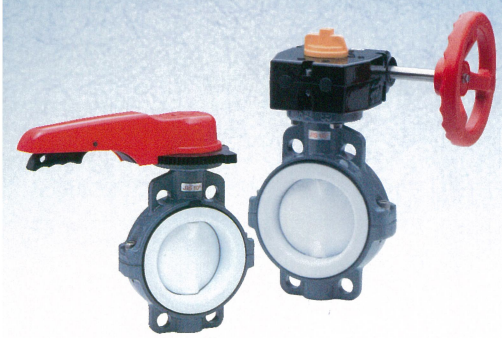
BUTTERFLY VALVE TYPE 55 50mm - 250mm(2inch - 10inch)



APPLICATIONS

Electrolytic soda, agricultural chemicals, chemicals, steel, aluminum refining exhaust fumes dischargers,
desulfurizers, erosive and corrosive solution lines

FEATURES

Extreme Corrosion Resistance

All of the wetted parts are completely covered with PTFE, which can result in excellent performance against a highly corrosive media.
Therefore BUTTERFLY VALVE TYPE 55 is the most suitable valve for lines of highly corrosive media in factories of Soda electrolysis, Chemicals and Agricultural chemicals.

Improved Cv Value

Thinner disc makes the area of flow passage wider and the Cv value is improved as a result.

Excellent resistibility to high and low temperature.

BUTTERFLY VALVE TYPE 55 can be used continuously at the range from -20℃ to 100℃ (-5°F to 210°F)

Simple Structure for Stem Sealing

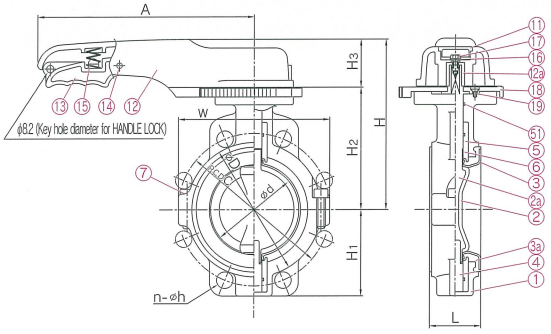
Simple structure for stem sealing offers high reliability and also allows for easy maintenance.

SPECIFICATIONS

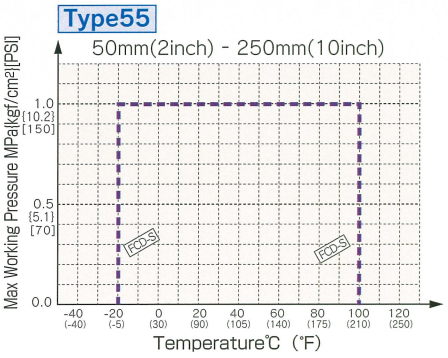
Body material	DUCTILE CAST IRON (FCD-S)[with epoxy powder coat]	Nominal size mm(inch)	50(2), 80(3), 100(4), 125(5) 150(6), 200(8), 250(10)
Disc·Seat material	PTFE	Max. Working Pressure	1.0MPa{10.2kgf/cm²}[150PS1]
		Working Temperature	−20℃ - 100℃(−5° F - 210° F)

DIMENSION

Lever



WORKING PRESSURE VS. TEMPERATURE



PARTS & MATERIALS

No.	DESCRIPTION	QTY.	MATERIAL	REMARKS
①	BODY	1	DUCTILE CAST IRON (FCD-S)	epoxy powder coat
②	DISC	1	PTFE	
②a	INSERTED METAL OF DISC	1	STAINLESS STEEL (SUS304)	
③	SEAT	1	PTFE	
③a	SEAT CUSHION	1	CR	
④	STEM	1	STAINLESS STEEL (SUS304)	
⑤	BUSH	2	STAINLESS STEEL (SUS304)	
⑥	O-RING(A)	2	EPDM	
⑦	BOLT(A)	2	STAINLESS STEEL (SUS304)	
⑪	CAP	1	PP	
⑫	HANDLE	1	PP	
⑫a	HANDLE INSERTED METAL	1	STAINLESS STEEL (SUS304)	
⑬	HANDLE LEVER	1	PPG	
⑭	PIN	1	PPG	
⑮	SPRING	1	STAINLESS STEEL (SUS304)	
⑯	WASHER	1	STAINLESS STEEL (SUS304)	
⑰	BOLT(C)	1	STAINLESS STEEL (SUS304)	
⑱	LOCKING PLATE	1	PPG	
⑲	SCREW	4	STAINLESS STEEL (SUS304)	
⑤1	O-RING(B)	1	NBR	

DIMENSIONS TABLE

JIS Unit:mm

Nominal Size mm	Nominal Size inch	d	JIS 10K C	JIS 10K n	JIS 10K h	D	L	H	H1	H2	H3	W	A
50	2	55	120	2(4)	19	90	44	161	61	105	56	116	220
80	3	80	150	4(8)	19	125	54	180	95	124	56	152	250
100	4	100	175	4(8)	19	154	59	196	99	140	56	174	250
125	5	125	210	4(8)	23	181	64	235	120	166	69	206	320

DIN Unit:mm

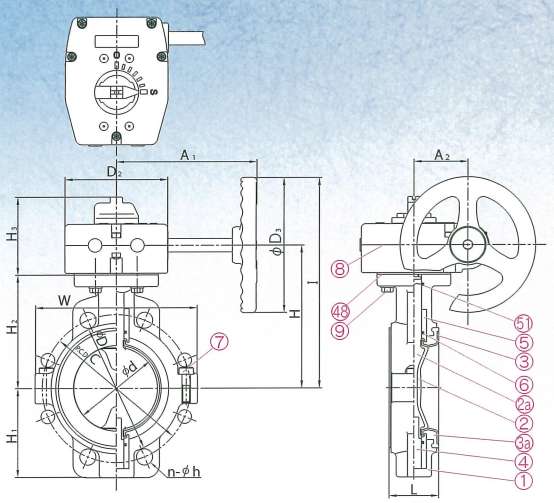
Nominal Size mm	Nominal Size inch	d	DIN PN 10 C	DIN PN 10 n	DIN PN 10 h	D	L	H	H1	H2	H3	W	A
50	2	55	125	2(4)	18	90	44	161	61	105	56	116	220
80	3	80	160	4(8)	18	125	54	180	95	124	56	152	250
100	4	100	180	4(8)	18	154	59	196	99	140	56	174	250
125	5	125	210	4(8)	18	181	64	235	120	166	69	206	320

ANSI Unit:inch

Nominal Size inch	Nominal Size mm	d	ANSI Class 150, ANSI Class 125 C	ANSI Class 150, ANSI Class 125 n	ANSI Class 150, ANSI Class 125 h	D	L	H	H1	H2	H3	W	A
2	50	2.17	4.75	2 (4)	0.75	3.54	1.73	6.43	2.40	4.13	2.20	4.57	8.66
3	80	3.15	6.00	−(4)	0.75	4.92	2.13	7.09	3.74	4.88	2.20	5.98	9.84
4	100	3.94	7.50	4 (8)	0.75	6.06	2.32	7.72	3.90	5.51	2.20	6.85	9.84
5	125	4.92	8.50	4 (8)	0.88	7.13	2.52	9.25	4.72	6.54	2.72	8.11	12.60

DIMENSION

Gear



PARTS & MATERIALS

No.	DESCRIPTION	QTY.	MATERIAL	REMARKS	No.	DESCRIPTION	QTY.	MATERIAL	REMARKS
①	BODY	1	DUCTILE CAST IRON (FCD-S)	epoxy powder coat	⑥	O-RING(A)	2	EPDM	
②	DISC	1	PTFE		⑦	BOLT(A)	-	STAINLESS STEEL (SUS304)	Used for size 50~125mm:2 150 over :4
②a	INSERTED METAL OF DISC	1	STAINLESS STEEL (SUS304)						
③	SEAT	1	PTFE		⑧	GEAR BOX	1	STAINLESS STEEL (SUS304)	
③a	SEAT CUSHION	1	CR		⑨	BOLT(B)	4	PPG	
④	STEM	1	STAINLESS STEEL (SUS304)		㊽	GASKET(C)	1	STAINLESS STEEL (SUS304)	
⑤	BUSH	2	STAINLESS STEEL (SUS304)		㊶	O-RING(B)	1	NBR	

DIMENSIONS TABLE

JIS

Unit:mm

Nominal Size		d	JIS 5K			JIS 10K			D	D_2	D_3	L	H	H_1	H_2	H_3	I	W	A_1	A_2	Number of handle rotation	GEAR BOX MODEL No.
mm	inch		C	n	h	C	n	h														
50	2"	55	105	2(4)	15	120	2(4)	19	90	122	160	44	135	61	100	92	215	116	167	64	9.5	TYPE1
80	3	80	145	−(4)	19	150	4(8)	19	125	122	160	54	154	95	119	92	234	152	167	64		
100	4	100	165	4(8)	19	175	4(8)	19	154	122	160	59	170	99	135	92	250	174	167	64		
125	5	125	200	4(8)	19	210	4(8)	23	181	122	160	64	193	120	158	92	273	206	167	64		
150	6	150	230	4(8)	19	240	4(8)	23	211	122	160	75	210	137	175	92	290	236	167	64		
200	8	191	280	4(8)	23	290	4(12)	23	265	122	160	85	240	163	205	92	320	282	167	64		
250	10	245	345	4(12)	23	355	4(12)	25	325	122	160	96	275	200	240	92	355	341	167	64		

NOTE. The shape and appearance of assembly differ little with nominal size compared to this drawing.

DIN

Unit:mm

Nominal Size		d	DIN 2501 PN10			D	D_2	D_3	L	H	H_1	H_2	H_3	I	W	A_1	A_2	Number of handle rotation	GEAR BOX MODEL No.
mm	inch		C	n	h														
50	2"	55	125	2(4)	18	90	122	160	44	135	61	100	92	215	116	167	64	9.5	TYPE1
80	3	80	160	−(4)	18	125	122	160	54	154	95	119	92	234	152	167	64		
100	4	100	180	4(8)	18	154	122	160	59	170	99	135	92	250	174	167	64		
125	5	125	210	4(8)	18	181	122	160	64	193	120	158	92	273	206	167	64		
150	6	150	240	4(8)	22	211	122	160	75	210	137	175	92	290	236	167	64		
200	8	191	295	4(8)	22	265	122	160	85	240	163	205	92	320	282	167	64		
250	10	245	350	4(12)	22	325	122	160	96	275	200	240	92	355	341	167	64		

NOTE. The shape and appearance of assembly differ little with nominal size compared to this drawing.

ANSI

Unit:mm

Nominal Size		d	ANSI Class 150, ANSI Class 125			D	D_2	D_3	L	H	H_1	H_2	H_3	I	W	A_1	A_2	Number of handle rotation	GEAR BOX MODEL No.
mm	inch		C	n	h														
50	2"	2.17	4.75	2(4)	0.75	3.54	4.80	6.30	1.73	5.31	2.40	3.94	3.62	8.46	4.57	6.57	2.52	9.5	TYPE1
80	3	3.15	6.00	−(4)	0.75	4.92	4.80	6.30	2.13	6.06	3.74	4.69	3.62	9.21	5.98	6.57	2.52		
100	4	3.94	7.50	4(8)	0.75	6.06	4.80	6.30	2.32	6.69	3.90	5.31	3.62	9.84	6.85	6.57	2.52		
125	5	4.92	8.50	4(8)	0.88	7.13	4.80	6.30	2.52	7.60	4.72	6.22	3.62	10.75	8.11	6.57	2.52		
150	6	5.91	9.50	4(8)	0.88	8.31	4.80	6.30	2.95	8.27	5.39	6.89	3.62	11.42	9.29	6.57	2.52		
200	8	7.52	11.75	4(8)	0.88	10.43	4.80	6.30	3.35	9.45	6.42	8.07	3.62	12.60	11.10	6.57	2.52		
250	10	9.65	14.25	4(12)	1.00	12.80	4.80	6.30	3.78	10.83	7.87	9.45	3.62	13.98	13.43	6.57	2.52		

NOTE. The shape and appearance of assembly differ little with nominal size compared to this drawing.