

BUTTERFLY VALVE TYPE 57L (Lug Style)

FEATURES

● PDCPD



● PVC



Easy Piping Maintenance

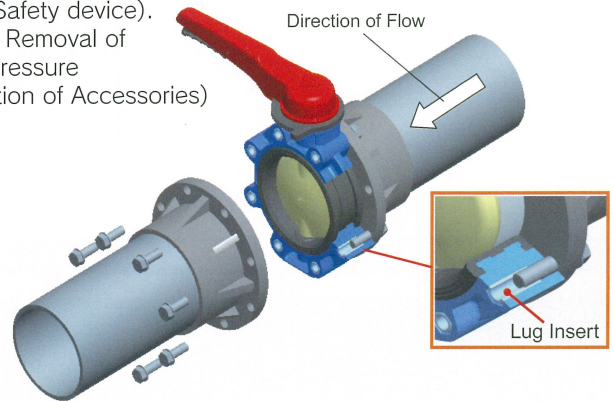
It is not necessary to remove fluid from the pipe line.

Strong In Pulsating Pressure

3 Times Stronger than a Major Competitor.

Same Features as Type57

- a) Protection for Over-Tightening Constant Stem Torque.
- b) New Designed Disc and Seat (Liner).
 - Longer Life
 - Lower Sealing Torque
 - Higher Cv Value
- c) Plastic Gear Box.
 - Extremely Corrosion Resistant
 - Easy Operation
- d) Stem Retainer (Safety device).
 - Prevention of Removal of Stem under Pressure (Safe Installation of Accessories)



SPECIFICATIONS

- JIS and DIN Standard

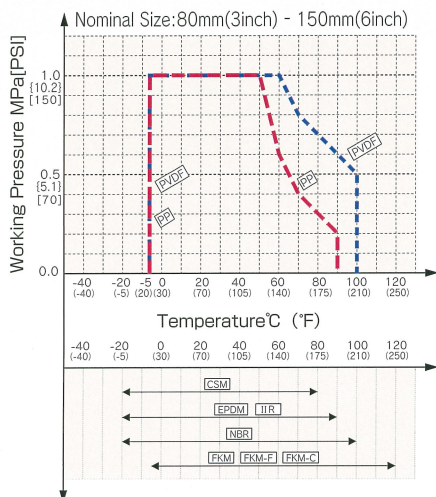
Body material	Standard	Working Temperature °C (°F)	Max. Working Pressure MPa{kgf/cm ² }[PSI]	
			80mm - 250mm (3inch - 10inch)	300mm (12inch)
Poly diocylo penta diene (PDCPD)	JIS, DIN	-5 - 100 (20 - 210)	1.0MPa{10.2kgf/cm ² }[150PSI]	

- ANSI Standard

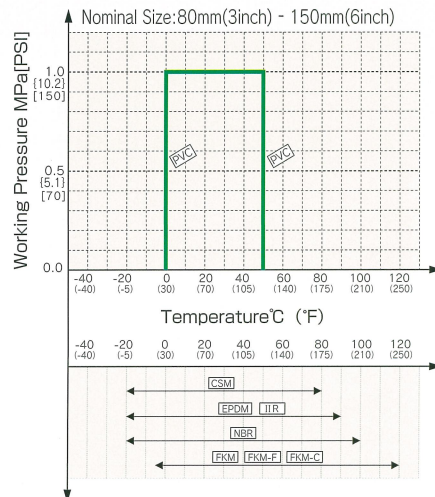
Body material	Standard	Working Temperature °C (°F)	Max. Working Pressure MPa{kgf/cm ² }[PSI]	
			125mm - 250mm (3inch - 10inch)	300mm (12inch)
Polyvinyl Chloride (PVC)	ANSI	0 - 50 (30 - 120)	1.0MPa{10.2kgf/cm ² }[150PSI]	0.75MPa{7.7kgf/cm ² }[110PSI]

WORKING PRESSURE VS. TEMPERATURE

LUG-BUTTERFLY VALVE TYPE57L(WAFER)

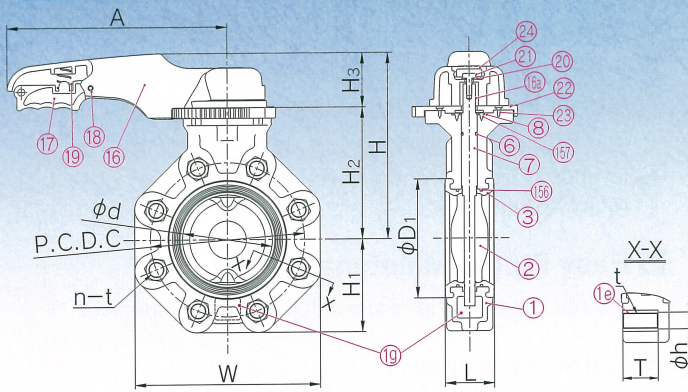


LUG-BUTTERFLY VALVE TYPE57L(WAFER)



Lever Type

DIMENSION



DIMENSIONS TABLE

Unit:mm

Nominal Size	d	JIS 10K	D ₁	L	H	H ₁	H ₂	H ₃	A	W	T	t
mm	inch	C n h										
80	3	77 150 8 19	105	46	191	94	135	56	250	193	40	M16×40 width across fat 24
100	4	102 175 8 19	134	56	206	105	150	56	250	217	40	M16×40 width across fat 24
125	5	129 210 8 23	169	66	237	124	168	69	320	247	50	M20×50 width across fat 30
150	6	150 240 8 23	190	71	252	138	183	69	320	285	50	M20×50 width across fat 30
200	8	195 290 12 23	242	87	283	173	214	69	400	345	60	M20×60 width across fat 30

Unit:mm

Nominal Size	d	DIN PN10	D ₁	L	H	H ₁	H ₂	H ₃	A	W	T	t
mm	inch	C n h										
80	3	77 160 8 18	105	46	191	94	135	56	250	193	40	M16×40 width across fat 24
100	4	102 180 8 18	134	56	206	105	150	56	250	217	40	M16×40 width across fat 24
125	5	129 210 8 18	169	66	237	124	168	69	320	247	50	M20×50 width across fat 30
150	6	150 240 8 23	190	71	252	138	183	69	320	285	50	M20×50 width across fat 30
200	8	195 295 8 23	242	87	283	173	214	69	400	345	60	M20×50 width across fat 30

PARTS & MATERIALS

No.	DESCRIPTION	Pcs.	MATERIAL	REMARKS
①	BODY	1	PDCPD,PVC	
⑫	LUG-INSERT	1	STAINLESS STEEL(SUS304)	
⑰	BODY-INSERT	1	STAINLESS STEEL(SUS304)	used for 125,150mm PDCPD only
		2	STAINLESS STEEL(SCS13)	used for 200mm PDCPD only
②	DISC	1	PP,PVDF	
③	SEAT	1	EPDM,FKM,FKM-F,FKM-C	
⑥	O-RING(C)	1		
⑦	STEM	1	STAINLESS STEEL(SUS403)	
⑧	STEM RETAINER(A)	1	PP	
⑯	HANDLE(A)	1	PP	
⑳	HANDLE INSERTED METAL	1	STAINLESS STEEL(SUS316L)	
㉑	HANDLE LEVER	1	PPG	
㉒	PIN	1	PPG	
㉓	SPRING	1	STAINLESS STEEL(SUS304)	
㉔	WASHER	1	STAINLESS STEEL(SUS304)	
㉕	BOLT(B)	1	STAINLESS STEEL(SUS304)	
㉖	LOCKING PLATE	1	PPG	
㉗	SCREW(B)	4	STAINLESS STEEL(SUS304)	
㉘	CAP(A)	1	PP	
㉙	RETAINING RING	2	STAINLESS STEEL(SCS13)	
㉚	SCREW(F)	4	STAINLESS STEEL(SUS304)	

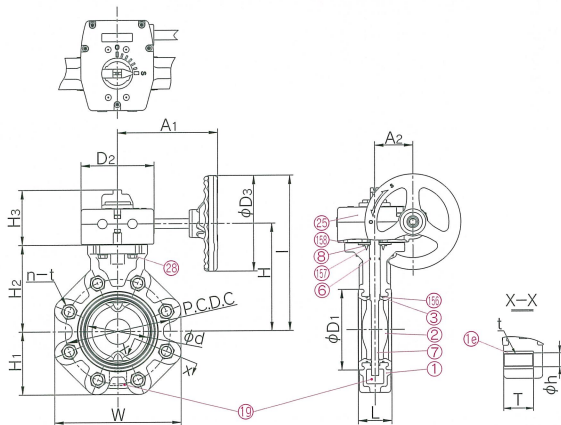
Unit:inch

Nominal Size	d	ANSI 150lb	D	D ₁	L	H	H ₁	H ₂	H ₃	A	W	T	t
mm	inch	C n h											
150	6	5.91 9.50 8 0.87	10.63	7.48	2.80	9.92	5.55	7.20	2.72	12.60	10.67	1.97	3/4-10 UNC
200	8	7.68 11.75 8 0.87	12.60	9.53	3.43	11.14	6.61	8.43	2.72	15.75	12.76	2.26	3/4-10 UNC

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

Gear Type

DIMENSION



DIMENSIONS TABLE

JIS

Nominal Size	d	JIS 10K	D ₁	D ₂	D ₃	L	H	H ₁	H ₂	H ₃	I	A ₁	A ₂	W	T	t	Number of handle wheel rotation	GEAR BOX TYPE
mm	inch	C n h																
80	3	77 150 8 19	105	122	160	46	165	94	130	92	245	167	64	193	40	M16×40 width across fat 24	9.5	TYPE1
100	4	102 175 8 19	134	122	160	56	180	105	145	92	260	167	64	217	40	M16×40 width across fat 24		
125	5	129 210 8 23	169	122	160	66	195	124	160	92	275	167	64	247	50	M20×50 width across fat 30		
150	6	150 240 8 23	190	122	160	71	210	138	175	92	290	167	64	285	50	M20×50 width across fat 30		
200	8	195 295 12 23	242	122	160	87	241	173	206	92	321	167	64	345	60	M20×60 width across fat 30		
250	10	250 350 12 25	302	122	160	112	276	208	241	92	356	167	64	415	70	M22×70 width across fat 32		

PARTS & MATERIALS

No.	DESCRIPTION	Pcs.	MATERIAL	REMARKS
①	BODY	1	PDCPD,PVC	
⑫	LUG-INSERT	1	STAINLESS STEEL(SUS304)	
⑰	BODY-INSERT	1	STAINLESS STEEL(SUS304)	used for 125,150mm (PDCPD)
		2	STAINLESS STEEL(SCS13)	used for 200,250mm (PDCPD)
②	DISC	1	PP,PVDF	
③	SEAT	1	EPDM,FKM,FKM-F,FKM-C	
⑦	STEM	1	STAINLESS STEEL(SUS403)	
⑧	STEM RETAINER(A)	1	PP	
㉔	GEAR BOX	1	PLASTIC etc.	
㉕	BOLT(C)	4	STAINLESS STEEL(SUS304)	
㉙	RETAINING RING	2	STAINLESS STEEL(SCS13)	
㉚	SCREW(F)	4	STAINLESS STEEL(SUS304)	
㉛	GASKET(L)	1	EPDM	

DIN

Nominal Size	d	DIN PN10	D ₁	D ₂	D ₃	L	H	H ₁	H ₂	H ₃	I	A ₁	A ₂	W	T	t	Number of handle wheel rotation	GEAR BOX TYPE
mm	inch	C n h																
80	3	77 160 8 18	105	122	160	46	165	94	130	92	245	167	64	193	40	M16×40 width across fat 24	9.5	TYPE1
100	4	102 180 8 18	134	122	160	56	180	105	145	92	260	167	64	217	40	M16×40 width across fat 24		
125	5	129 210 8 18	169	122	160	66	195	124	160	92	275	167	64	247	50	M16×50 width across fat 24		
150	6	150 240 8 23	190	122	160	71	210	138	175	92	290	167	64	285	50	M20×50 width across fat 30		
200	8	195 295 8 23	242	122	160	87	241	173	206	92	321	167	64	345	60	M20×60 width across fat 30		
250	10	250 350 12 23	302	122	160	112	276	208	241	92	356	167	64	415	70	M20×70 width across fat 30		

ANSI

Nominal Size	d	ANSI 150lb	D	D ₁	D ₂	D ₃	L	H	H ₁	H ₂	H ₃	I	A ₁	A ₂	W	T	t	Number of handle wheel rotation	GEAR BOX TYPE
mm	inch	C n h																	
150	6	5.91 9.50 8 0.87	10.63	7.48	4.80	6.30	2.80	8.27	5.55	6.89	3.62	11.42	6.57	2.52	10.67	1.97	3/4-10 UNC	9.5	TYPE1
200	8	7.68 11.75 8 0.87	12.60	9.53	4.80	6.30	3.43	9.49	6.61	8.11	3.62	12.64	6.57	2.52	12.76	2.26	3/4-10 UNC		
250	10	9.84 14.25 12 0.98	15.75	11.89	4.80	6.30	4.41	10.87	7.95	9.49	3.62	14.02	6.57	2.52	15.91	2.52	7/8-9 UNC		
300	12	11.93 17.01 12 0.98	18.31	14.17	7.40	11.81	5.08	13.39	9.29	11.73	4.52	19.29	9.53	3.90	18.54	2.52	7/8-9 UNC		TYPE3

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