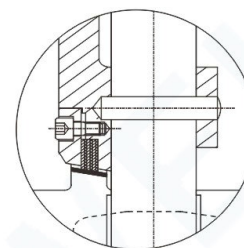


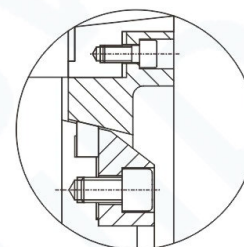
TRIPLE OFFSET BUTTERFLY VALVE

Technical Parameter

Nominal Size: 2"~48" (DN50~DN1200)
 Nominal Pressure: ASME 150LB to 900LB
 Applicable Temperature: -46°C~300°C
 Body Material: WCB, CF8, CF8M, CF3, CF3M, LCB, Titanium,
 Monel, Hastelloy etc.
 Design Standard: API 609, EN 593, ASME B16.34
 Face To Face: API 609, ISO 5752, EN 558
 Flange End: ASME B16.5, ASME B16.47, EN 1092,
 Inspection and Test: API 598, EN 12266, ISO 5208
 Mark: MSS SP-25



Multi layered metal+graphite
design for disc plate sealing pair



Disc plate sealing secondary
pure metal (optional)

Design features

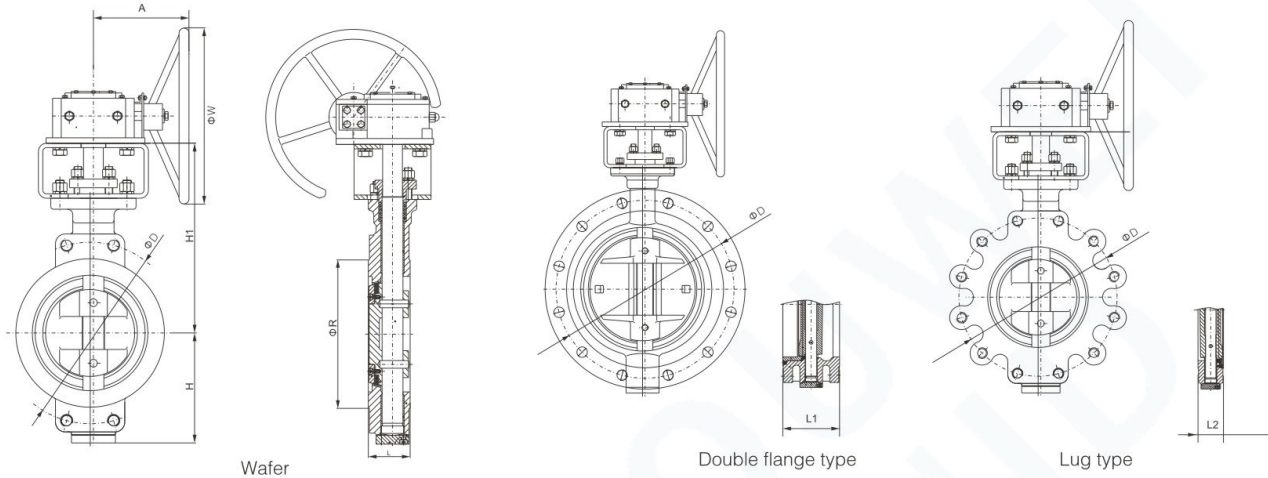
- Multi-layer sealing & Metal to metal sealing
- Bi-directional & Uni-directional
- Low opening torque
- Friction free between seat and sealing
- No over travel of the disc

Material list

No.	Parts	Standard Material	Low Temperature Environment	Stainless Steel Material	Acidic Environment
1	Body	ASTM A216WCB	ASTM A352 LCB	ASTM A351 CF8M	ASTM A216 WCB
2	Stem	ASTM A182 F6a	ASTM A182 F316	ASTM A182 F316	ASTM A182 F6a NC
3	Sealing gasket	Graphite	Graphite	Graphite	Graphite
4	Lower bearing sleeve	Self-lubricating bearing	Self-lubricating bearing	Self-lubricating bearing	Self-lubricating bearing
5	Lower cover	ASTM A105N	ASTM A350 LF2	ASTM A182 F316	ASTM A105N
6	Dished plate	ASTM A216WCB	ASTM A352 LCB	ASTM A351 CF8M	ASTM A216 WCB
7	Sealing ring	SS316+Graphite	SS316+Graphite	SS316+Graphite	SS316+Graphite
8	Flap cover	ASTM A182 F316	ASTM A182 F316	ASTM A182 F316	ASTM A182 F316
9	Bolt	ASTM A193 B7	ASTM A320 L7	ASTM A193 B8	ASTM A193 B7M
10	Bolt	ASTM A193 B7	ASTM A320 L7	ASTM A193 B8	ASTM A193 B7M
11	Pin	ASTM A182 F6a	ASTM A182 F316	ASTM A182 F316	ASTM A182 F6a NC
12	Upper bearing sleeve	Self-lubricating bearing	Self-lubricating bearing	Self-lubricating bearing	Self-lubricating bearing
13	Packing	Graphite	Graphite	Graphite	Graphite
14	Packing gland	ASTM A216WCB	ASTM A352LCB	ASTM A351CF8M	ASTM A216WCB
15	Nut	ASTM A194 2H	ASTM A194 7	ASTM A194 8	ASTM A194 2HM
16	Spring washer	AISI 1566	AISI 1566	Stainless steel	AISI 1566
17	Stud	ASTM A193 B7	ASTM A320 L7	ASTM A193 B8	ASTM A193 B7M
18	Prop up	AISI 1020	AISI 1020	Stainless steel	AISI 1020
19	Nut	ASTM A194 2H	ASTM A194 7	ASTM A194 8	ASTM A194 2HM
20	Spring washer	AISI 1566	AISI 1566	Stainless steel	AISI 1566
21	Stud	ASTM A193 B7	ASTM A320 L7	ASTM A193 B8	ASTM A193 B7M
22	Worm gear	Module	Module	Module	Module



TRIPLE OFFSET BUTTERFLY VALVE



Main Dimensions

Class150LB

DN		R		D		W		L/L2		L1		H		H1		A		T (Thickness)	
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
3"	80	5	127	6	152.4	11.81	*300	1.9	48	4.5	114	3.7	95	9.1	230	7.1	180	0.2	6
4"	100	6.2	157.2	7.5	190.5	11.81	*300	2.1	54	5	127	4.5	115	9.4	240	7.1	180	0.3	6.5
6"	150	8.5	215.9	9.5	241.3	15.75	*400	2.2	57	5.5	140	5.8	147	12.2	310	7.3	185	0.3	7.1
8"	200	10.6	269.7	11.8	298.5	15.75	*400	2.5	64	6	152	7.3	185	13.8	350	7.3	185	0.3	8
10"	250	12.8	323.9	14.3	362	15.75	*400	2.8	71	6.5	165	8.5	215	15.8	402	8.5	215	0.3	8.8
12"	300	15	381	17	431.8	19.68	*500	3.2	81	7	178	9.9	252	17.9	455	8.5	215	0.4	9.6
14"	350	16.3	412.8	18.8	476.3	19.68	*500	3.6	92	7.5	190	11.3	287	19.9	505	8.5	215	0.4	10.4
16"	400	18.5	469.9	21.3	539.8	23.62	*600	4	102	8.5	216	12.5	317	22	560	9.6	245	0.4	11.2
18"	450	21	533.4	22.8	577.9	23.62	*600	4.5	114	8.7	222	13.5	342	22.2	565	9.6	245	0.5	12
20"	500	23	584.2	25	635	27.56	*700	5	127	9	229	14.6	372	23.8	605	9.6	245	0.5	12.9
24"	600	27.3	692.2	29.5	749.3	27.56	*700	6.1	154	10.5	267	17.3	440	26.6	675	15.4	390	0.6	14.5

Main Dimensions

Class300LB

DN		R		D		W		L/L2		L1		H		H1		A		T (Thickness)	
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
3"	80	5	127	6.6	168.1	11.81	*300	1.9	48	4.5	114	4.1	105	9.4	240	7.1	180	0.3	6.9
4"	100	6.2	157.2	7.9	200.2	11.81	*300	2.1	54	5	127	5	127.5	10	255	7.1	180	0.3	7.7
6"	150	8.5	215.9	10.6	269.7	15.75	*400	2.3	59	5.5	140	7	178	13.6	345	7.3	185	0.4	9.4
8"	200	10.6	269.7	13	330.2	19.68	*500	2.9	73	6	152	8.5	216	15.7	400	8.5	215	0.4	11
10"	250	12.8	323.9	15.3	387.4	19.68	*500	3.3	83	6.5	165	9.7	247	17.9	455	8.5	215	0.5	12.7
12"	300	15	381	17.8	450.9	23.62	*600	3.6	92	7	178	11.1	282	19.5	495	8.5	215	0.6	14.3
14"	350	16.3	412.8	20.3	514.4	23.62	*600	4.6	117	7.5	190	12.3	312	21.9	555	9.6	245	0.6	16
16"	400	18.5	469.9	22.5	571.5	27.56	*700	5.2	133	8.5	216	13.7	349	22.8	580	9.6	245	0.7	17.6
18"	450	21	533.4	24.8	628.7	27.56	*700	5.9	149	8.7	222	15.2	386	24.4	620	9.6	245	0.8	19.3
20"	500	23	584.2	27	685.8	31.50	*800	6.3	159	9	229	16.1	410	26.4	670	15.4	390	0.8	20.9
24"	600	27.3	692.2	32	812.8	31.50	*800	7.1	181	10.5	267	19.3	491	29.9	760	15.4	390	1	24.2

Main Dimensions

Class600LB

DN		R		D		W		L/L2		L1		H		H1		A		T (Thickness)	
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
3"	80	5	127	6.6	168.1	11.81	*300	2.1	54	7.1	180	4.1	105	10.8	275	7.1	180	0.3	7.9
4"	100	6.2	157.2	8.5	215.9	11.81	*300	2.5	64	7.5	190	5.4	137.5	10.8	275	7.1	180	0.4	9.5
6"	150	8.5	215.9	11.5	292.1	15.75	*400	3.1	78	8.3	210	7.9	200	15.2	385	7.3	185	0.5	12.9
8"	200	10.6	269.7	13.8	349.3	19.68	*500	4	102	9.1	230	9.1	232	17.1	435	8.5	215	0.6	16.3
10"	250	12.8	323.9	17	431.8	19.68	*500	4.6	117	9.8	250	10.9	277	20.1	510	8.5	215	0.8	19.7
12"	300	15	381	19.3	489	23.62	*600	5.5	140	10.6	270	11.9	302	21.1	535	8.5	215	0.9	23
14"	350	16.3	412.8	20.8	527.1	23.62	*600	6.1	155	11.4	290	13	329	24.3	617	9.6	245	1	26.4
16"	400	18.5	469.9	23.8	603.3	27.56	*700	7	178	12.2	310	17	432	26.2	665	9.6	245	1.2	29.8
18"	450	21	533.4	25.8	654.1	27.56	*700	7.9	200	13	330	18.2	463	28.1	715	9.6	245	1.3	33.2
20"	500	23	584.2	28.5	723.9	31.50	*800	8.5	216	13.8	350	19.4	492	28.7	730	15.4	390	1.4	36.5
24"	600	27.3	692.2	33	838.2	31.50	*800	9.1	232	15.4	390	20.7	525	35.2	895	15.4	390	1.7	43.3

* Gearbox