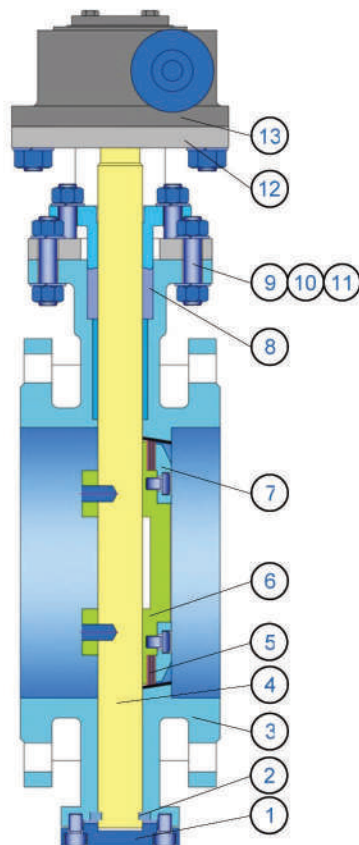


BUTTERFLY VALVE

OVERVIEW (Triple Offset Type)



Part List

- 1 Cover
- 2 Segment
- 3 Body
- 4 Stem
- 5 Seal Ring
- 6 Disc
- 7 Plate
- 8 Packing
- 9 Stud
- 10 Nut
- 11 Washer
- 12 Yoke
- 13 Gear

STANDARDS

Design & Manufacture	API 609 ,ASME b16.34
Face -to -face	API 6 09 , ASME B16.10
End Dimension	ASME B16.5 (RF, RTJ), ASME B16.47 (RF,RTJ) MSS SP -44 (NPS 22 Only) ASME B16.25 (BW)
Test & inspection	API 598

TYPICAL MATERIALS

Body , Disc	A216 WCB, A217 WC6, WC9, A351 CF3, CF8, CF3M, CF8M, A995 4A, 5A, A352 LCB, LCC, LC2 , Monel,Inconel, Hastelloy (Casting)
Seat	13Cr/SS304/SS316+ Composite materials, PTFE
Stem	A276 410 , 304, 316, F51, AISI 4140+ENP, 17-4PH
Packing	Graphite, PTFE
O -ring	NBR, HNBR ,FKM

Typical Triple Offset Butterfly Valve



Wafer Type



Lug Type



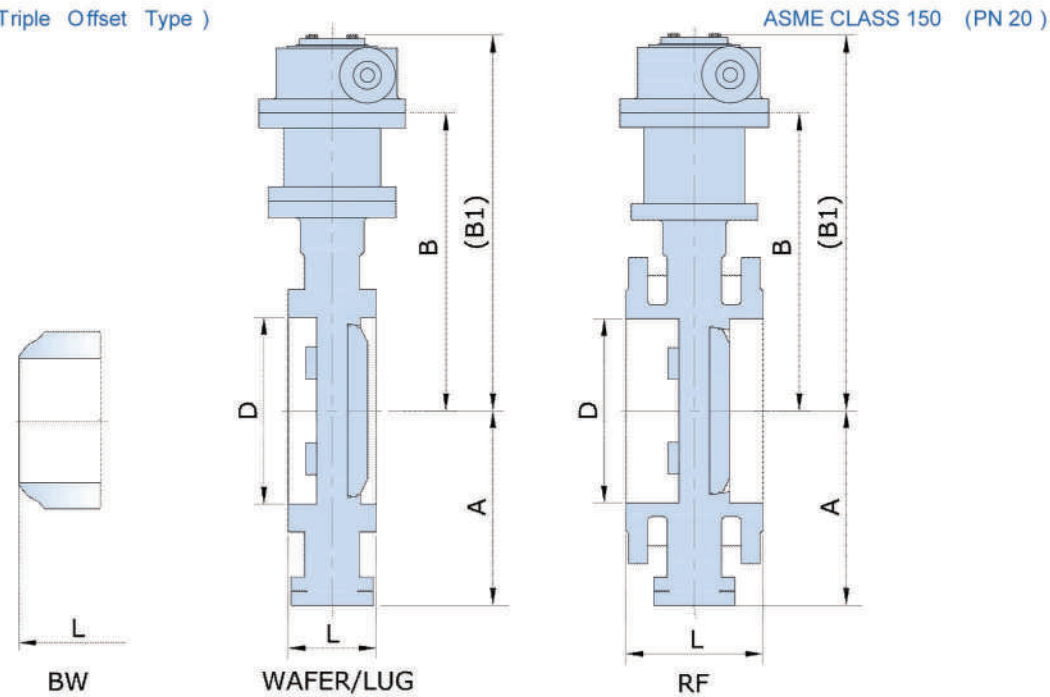
Flange Type



Butt Welding Type

BUTTERFLY VALVE

DIMENSIONS AND WEIGHTS (Triple Offset Type)



AS ME CLASS 150 (PN20)

Size in/mm	D	L			A	B	B1	Weight(lb/kg)			
		WAFER/LUG	RF(1)	BW				WAFER	LUG	RF	BW
2	2	1.69	4.25	-	4.33	7.87	13.78	18	22	31	
50	50	43	108	-	110	200	350	8	10	14	
2 1/2	2 1/2	1.81	4.41	-	4.92	8.46	14.37	20	24	35	
65	65	46	112	-	125	215	365	9	11	16	
3	3	1.89	4.5	7.09	5.12	8.86	14.76	22	26	40	33
80	80	48	114	180	130	225	375	10	12	18	15
4	4	2.13	5	7.48	5.71	9.45	15.35	26	40	51	44
100	100	54	127	190	145	240	390	12	18	23	20
6	6	2.24	5.51	8.27	6.89	11.42	17.32	33	53	70	55
150	150	57	140	210	175	290	440	15	24	32	25
8	8	2.52	5.98	9.06	9.65	13.39	19.29	66	99	106	108
200	200	64	152	230	245	340	490	30	45	48	49
10	10	2.8	6.5	9.84	11.02	14.76	20.67	104	150	194	156
250	250	71	165	250	280	375	525	47	68	88	71
12	12	3.19	7	10.63	12.4	16.73	22.64	174	220	282	229
300	300	81	178	270	315	425	575	79	100	128	104
14	14	3.62	7.48	11.42	13.78	17.91	24.41	185	267	348	317
350	350	92	190	290	350	455	620	84	121	158	144
16	16	4.02	8.5	12.2	14.96	19.5	27.56	308	385	491	396
400	400	102	216	310	380	495	700	140	175	223	180
18	18	4.5	8.74	13	15.55	20.08	29.13	412	500	630	511
450	450	114	222	330	395	510	740	187	227	286	232
20	20	5	9.02	13.78	17.13	22.05	32.09	500	577	744	599
500	500	127	229	350	435	560	815	227	262	338	272
24	24	6.06	10.51	15.35	19.5	25	34.06	782	782	1126	914
600	600	154	267	390	495	635	865	355	355	511	415
28	28	6.5	11.5	16.93	19.69	25.59	35.83	1156	1156	742	1333
700	700	165	292	430	500	650	910	525	525	337	605
32	32	7.48	12.52	18.5	21.65	28.15	39.57	1542	1718	2562	1586
800	800	190	318	470	550	715	1005	700	780	1163	720
36	36	8	13	20.08	24.8	32.09	42.70	2379	2313	3450	2048
900	900	203	330	510	630	815	1110	1080	1050	1566	930
40	40	8.5	16.14	21.65	26.77	34.65	47.24	2907	3458	4692	3678
1000	1000	216	410	550	680	880	1200	1320	1570	2130	1670
48	48	10	18.5	24.8	31.3	39.17	52.56	4515	5066	7180	5727
1200	1200	254	470	630	795	995	1335	2050	2300	3260	2600
56	56	15.35	20.87	-	35.43	45.47	74.41	6825	7269	10352	8370
1400	1400	390	530	-	900	1155	1890	3100	3300	4700	3800

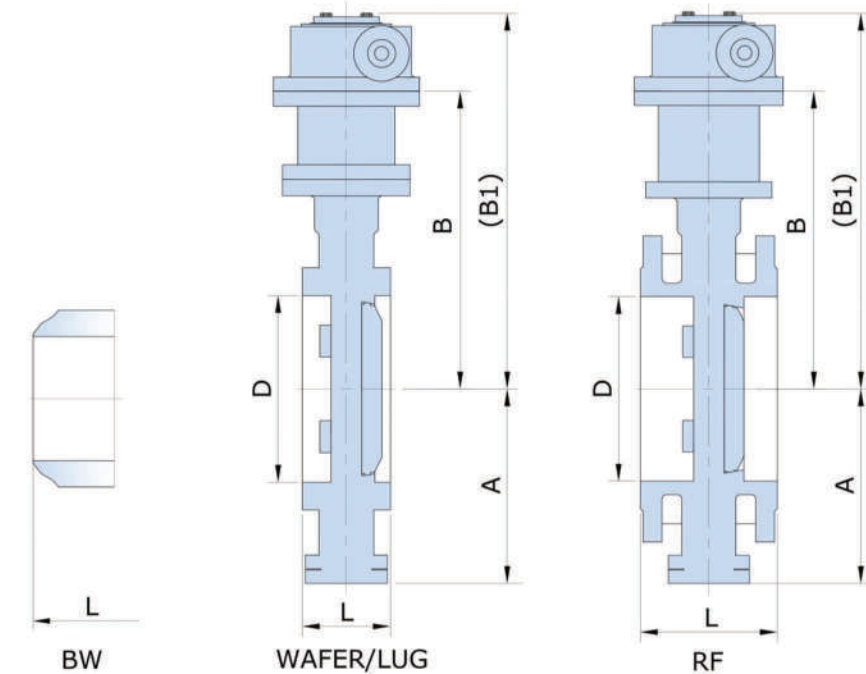
1.The dimension and weights are for reference only and subject to change without notice.

2. For more size or dimensional information, please contact our sales representative

BUTTERFLY VALVE

DIMENSIONS AND WEIGHTS (Triple Offset Type)

ASME CLASS 150 (PN 20)



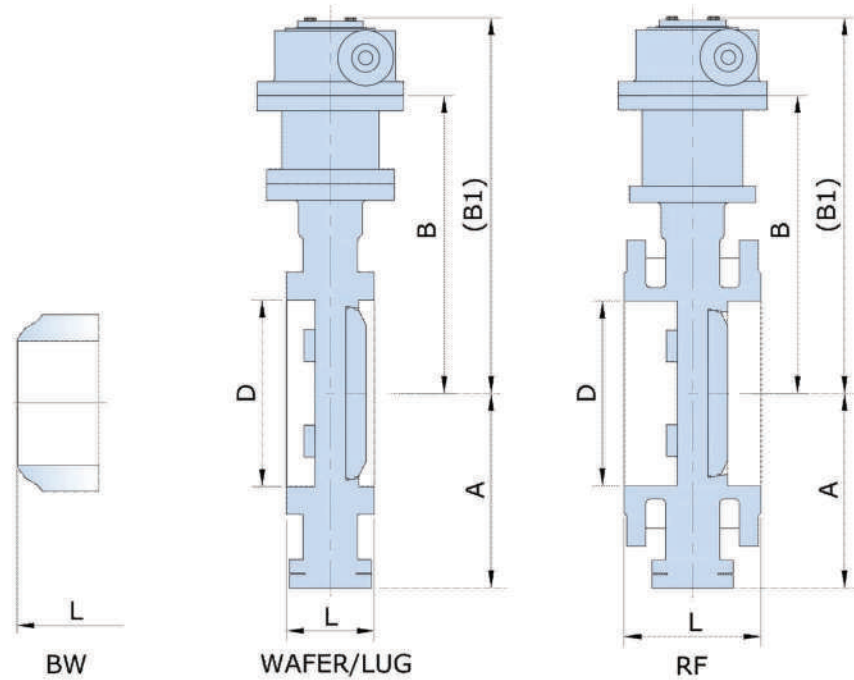
ASME CLASS 150 (PN20) Continue

Size in/mm	D	L			A	B	B1	Weight(lb/kg)			
		WAFER /LUG	RF(1)	BW				WAFER	LUG	RF	BW
60	60	15.35	20.87	20.87	36.61	46.46	75.6	9251	7489	10573	8590
1500	1500	390	530	530	930	1180	1920	4200	3400	4800	3900
72	72	28.14	22.64	22.64	39.37	51.18	85.83	12555	11894	14317	11233
1800	1800	432	575	575	1000	1300	2180	5700	5400	6500	5100
76	76	15.95	24	24	45.67	52.36	92.52	14537	14978	18282	15859
1900	1900	456	610	610	1160	1330	2350	6600	6800	8300	7200
80	80	20.08	26.38	26.38	51.18	55.12	98.43	15859	16960	19383	16520
2000	2000	510	670	670	1300	1400	2500	7200	7700	8800	7500

BUTTERFLY VALVE

DIMENSIONS AND WEIGHTS (Triple Offset Type)

ASME CLASS 300 (PN 50)



ASME CLASS 300 (PN 50)

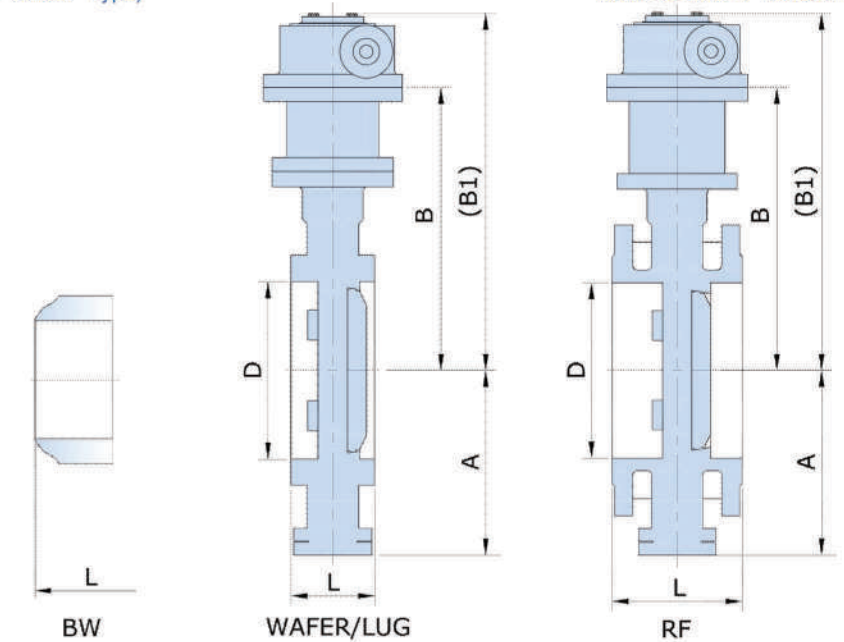
Size in/mm	D	L			A	B	B1	Weight(lb/kg)			
		WAFER/LUG	RF(1)	BW				WAFER	LUG	RF	BW
2	2	1.69	5.91	-	4.53	7.87	13.98	26	29	31	
50	50	43	150	-	115	200	355	12	13	14	
2 1/2	2 1/2	1.81	6.69	-	4.92	9.84	14.57	29	31	37	
65	65	46	170	-	125	250	370	13	14	17	
3	3	1.89	7.09	7.09	5.31	9.06	14.96	31	35	44	37
80	80	48	180	180	135	230	380	14	16	20	17
4	4	2.13	7.48	7.48	6.1	10.04	15.75	44	51	66	55
100	100	54	190	190	155	255	400	20	23	30	25
6	6	2.32	8.27	8.27	8.46	13	18.11	93	99	128	110
150	150	59	210	210	215	330	460	42	45	58	50
8	8	2.87	9.06	9.06	9.84	14.57	19.69	132	145	181	156
200	200	73	230	230	250	370	500	60	66	82	71
10	10	3.27	9.84	9.84	11.42	16.73	21.26	242	264	322	286
250	250	83	250	250	290	425	540	110	120	146	130
12	12	3.62	10.63	10.63	12.8	17.91	23.23	300	326	577	352
300	300	92	270	270	325	455	590	136	148	262	160
14	14	4.61	11.42	11.42	14.17	19.69	25.20	427	467	771	502
350	350	117	290	290	360	500	640	194	212	350	228
16	16	5.24	12.20	12.2	14.37	21.26	28.35	581	630	907	678
400	400	133	310	310	365	540	720	264	286	412	308
18	18	5.87	13	13	15.55	20.08	29.13	617	722	1222	789
450	450	149	330	330	395	510	740	280	328	555	358
20	20	6.26	13.78	13.78	18.5	25.59	22.86	914	991	1674	1068
500	500	159	350	350	470	650	860	415	450	760	485
24	24	7.13	15.35	15.35	21.46	28.94	35.43	1198	1317	2610	1346
600	600	181	390	390	545	735	900	544	598	1185	652
28	28	9.02	16.93	16.93	21.65	30.71	35.83	1861	2037	3282	2236
700	700	229	430	430	550	780	910	845	925	1490	1015
32	32	9.5	18.5	18.5	24.8	33.66	41.34	2621	2885	3678	3150
800	800	241	470	470	630	855	1050	1190	1310	1670	1430
36	36	9.5	20.08	20.08	26.97	35.83	45.28	3797	4137	5154	4471
900	900	241	510	510	685	910	1150	1724	1878	2340	2030
40	40	11.81	21.65	21.65	30.71	39.37	49.61	5339	5790	7137	6238
1000	1000	300	550	550	780	1000	1260	2424	2628	3240	2832
48	48	14.17	24.8	21.8	34.45	44.88	55.12	6436	7070	8998	7700
1200	1200	360	630	630	875	1140	1400	2922	3210	4085	3496

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2. For moresize ordimensional informationplease contact our sales representative.

BUTTERFLY VALVE

DIMENSIONS AND WEIGHTS (Triple Offset Type)

ASME CLASS 6 00/900 (PN 100/150)



ASME CLASS 600 (PN 100)

Size in/mm	D	L			A	B	B1	Weight(lb/kg)			
		WAFER / LUG	RF	BW				WAFER	LUG	RF	BW
6	6	3.07	8.27	8.27	9.84	13.98	21.46	163	178	229	196
150	150	78	210	210	250	355	545	74	81	104	89
8	8	4.02	9.06	9.06	11.42	16.14	24.41	295	383	405	350
200	200	102	230	230	290	410	620	134	174	184	159
10	10	4.49	9.84	9.84	13.19	17.91	26.38	478	524	661	568
250	250	114	250	250	335	455	670	217	238	300	258
12	12	5.51	10.63	10.63	14.96	20.87	29.92	645	705	870	762
300	300	140	270	270	380	530	760	293	320	395	346
14	14	6.10	11.42	11.42	15.35	21.65	30.32	722	793	1007	866
350	350	155	290	290	390	550	770	328	360	457	393
16	16	7.01	12.20	12.20	17.52	24.61	35.04	1046	1145	1443	1244
400	400	178	310	310	445	625	890	475	520	655	565
18	18	7.87	13	13	18.7	26.18	38.19	1247	1374	1756	1502
450	450	200	330	330	475	665	970	566	624	797	682
20	20	8.5	13.78	13.78	20.47	28.15	39.76	1297	1963	2454	2126
500	500	216	350	350	520	715	1010	816	891	1114	965
24	24	9.13	15.35	15.35	23.03	32.09	45.28	2529	2780	3524	3029
600	600	232	390	390	585	815	1150	1148	1262	1600	1375

ASME CLASS 900 (PN 150)

Size in/mm	D	L			A	B	B1	Weight(lb/kg)			
		WAFER / UG	RF	BW				WAFER	LUG	RF	BW
6	6	4.02	10.51	10.51	10.63	15.75	25.98	196	269	341	264
150	150	102	267	267	270	400	660	89	122	155	120
8	8	5.51	11.5	11.5	12.4	19.69	29.53	414	449	555	485
200	200	140	292	292	315	500	750	188	204	252	220
10	10	6.1	13	13	14.37	19.88	31.5	513	566	720	617
250	250	155	330	330	365	505	800	233	257	327	280
12	12	7	14.02	14.02	15.75	22.83	35.83	740	815	1035	888
300	300	178	356	356	400	580	910	336	370	470	403
14	14	11.42	15	15	16.54	23.62	36.61	978	1064	1328	1101
350	350	290	381	381	420	600	930	444	483	603	500
16	16	12.2	15.98	15.98	17.91	27.17	38.98	1134	1222	1553	1300
400	400	310	406	406	455	630	990	515	555	705	590
18	18	13	17	17	19.88	27.17	41.93	1753	1910	2379	2048
450	450	330	432	432	505	690	1065	796	867	1080	930
20	20	13.78	18	18	21.06	28.74	42.5	2220	2416	3007	2599
500	500	350	457	457	535	730	1105	1008	1097	1365	1180
24	24	13.78	20	20	24.41	33.07	48.03	3916	4295	5425	4626
600	600	350	508	508	620	840	1220	1778	1950	2463	2100

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