



Wafer Butterfly Valves
Hard sealing face
Soft sealing face

STANDARDS

Flange Butterfly Valves: MSS SP-67
 Wafer Butterfly Valves: MSS SP-68 or API 609
 Face to face dimensions: ANSI B16.10 MSS SP-67 and MSS SP-68 or API 609
 Test: API 598

End flange dimensions

NPS 1 1/2-24: ANSI B16.5,
 NPS 30-72: MSS SP-44. or API 605

Type of construction

Flange Butterfly Valves (Hard face and soft face)
 Wafer Butterfly Valves (Hard face and soft face)

Type of connection

RF and RTJ flange ends to ANSI B16.5 or API 605 and MSS SP-44 standard.

Type of operation

Lever

Worm Gear actuator, Electric actuator, Pneumatic actuator.
 Actuator dimensions to ISO 5211 standard.

CLASS 125												
DN	400	450	500	600	700	900	1050	1200	1350	1500	1650	1800
NPS	16	18	20	24	30	36	42	48	54	60	66	72
L	203.2	203.2	203.2	203.2	304.8	304.8	304.8	381.0	381.0	381.0	457.2	457.2
	8	8	8	8	12	12	12	15	15	15	18	18
L ₁	79.3	101.6	127	154	165.1	200.2	251	276.4	-	-	-	-
	3.12	4	5	6.06	6.5	7.88	9.88	10.88	-	-	-	-
H	481	521	568	398	903	1031	1122	1180	1425	1545	1624	1750
	19	20.5	22.4	27.5	35.6	40.6	44.2	46.5	56.1	60.8	64	69
D ₀	300	400	450	500	*350	*350	*350	*350	*350	*350	*350	*350
	11.8	15.8	17.7	19.7	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8
F(kg) W(kg)	230	274	375	595	1030	1985	2100	3420	3670	3880	4100	4250
	200	248	334	510	880	1580	1680	2736	-	-	-	-

MATERIAL LIST

NO.	Part Name	Carbon Steel		Alloy Steel			Stainless Steel			
		WCB	LCB	WC6	WC9	C5	CF8	CF8M	CF3	CF3M
1	Body	A216 WCB	A352 LCB	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
2	Butterfly plate	A216 WCB	A352 LCB	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
3	Seat Ring	PTFE or Stainless steel and graphite spiral wound								
4	Axle	A182 F6	A182 F6	A182 F304	A182 F304	A182 F304	A182 F304	A182 F316	A182 F304L	A182 F316L
5	Below Axle bush	A439 D2 or A436 Austenite iron								
6	Top Axle bush	A439 D2 or A436 Austenite iron								
7	Lock Ring	A105	A182 F6	A182 F22	A182 F22	A182 F22	A182 F304	A182 F304	A182 F304L	A182 F316L
8	Axle packing	PTFE or Graphite								
9	Gland	A182 F6	A182 F6	A182 F304	A182 F304	A182 F304	A182 F304	A182 F316	A182 F304L	A182 F316L
10	Gland flange	A216 WCB	A352 LCB	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
11	York	A216 WCB	A352 LCB	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
12	Bolt	A193 B7		A302 L7	A193 B16		A320 B8	A193 B8M		
13	Below Cap	A216 WCB	A352 LCB	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
14	Bolt	A193 B7		A302 L7	A193 B16		A320 B8	A193 B8M		
15	Pin	Carbon steel or Alloy steel								
16	Sealing-face overlay	Soft face(PTFE)Hard face(13Cr and 18Cr-8Ni or Co-Cr-A)								

The material is according to ASTM standard.