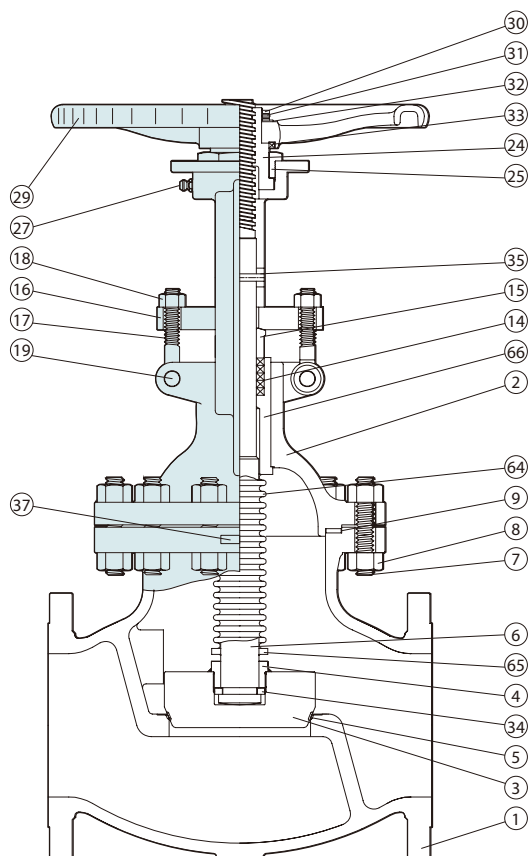


BELLOWS SEAL GLOBE VALVES – BOLTED BONNET – FULL PORT – HANDWHEEL TYPE



NO.	Parts	Material	A.S.T.M
1	Body	Cast Steel	A216-WCB
2	Bonnet	Cast Steel	A216-WCB
3	Disc	Stellite 6 faced A105/A216-WCB	
4	Disc Nut	Stainless Steel	316SS
5	Seat	Integral Hardfaced Stellite 6	
6	Stem	13Cr Stainless Steel	A276-410
7	Bonnet Bolt	Alloy Steel	A193-B7M
8	Bonnet Nut	Carbon Steel	A194-2HM
9	Bonnet Gasket	304 Spiral Wound Graphite	
14	Gland Packing	Graphoil	
15	Gland	13Cr Stainless Steel	A276-410
16	Gland Flange	Carbon Steel	
17	Eye Bolt	Carbon Steel	A668-C
18	Eye Bolt Nut	Carbon Steel	A563A
19	Eye Bolt Pin	Carbon Steel	
24	Sleeve	Ductile Iron	A439-D2C
25	Yoke Cap	Carbon Steel	
27	Grease Nipple	Cr Plated Carbon Steel	
29	Handwheel	Ductile Iron	A395
30	Wheel Nut	Carbon Steel	A563A
31	Set Screw	Commercial	
32	Wheel Washer	Carbon Steel (for 8" & over)	
33	Pounding Receiver	Carbon Steel (for 8" & over)	
34	Stopper	13Cr Stainless Steel	A276-410
35	Stem Guide	Carbon Steel	A283-C
37	Name Plate	Stainless Steel	304SS
64	Bellows	Stainless Steel	321SS
65	End Fitting	Stainless Steel	A276-316
66	Backseat Ring	Stainless Steel	A276-316

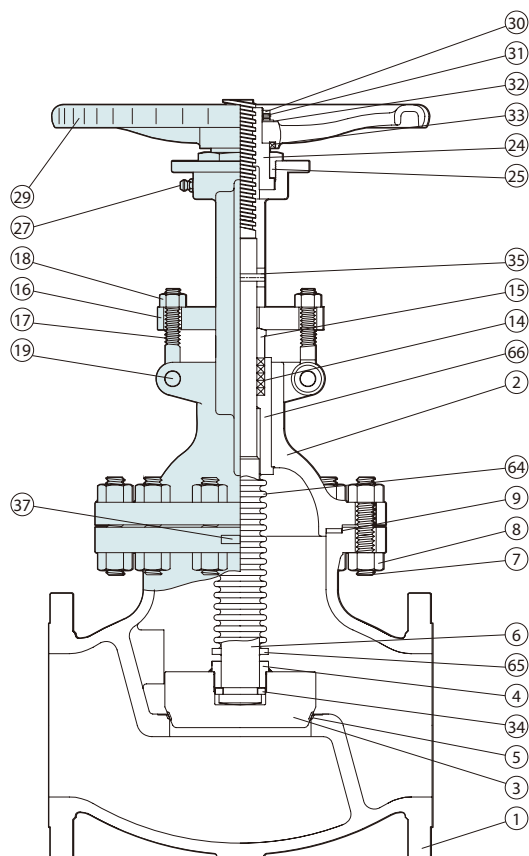
- Disc Material : A105 up to 6", WCB for the other sizes
- Hammer Blow Handwheel : 8" & over

CLASS 300 - API 600 / BS 1873

Unit : mm(inch)

Valve Size	Handwheel Diameter	Center to Top (Open)	Dia. of Port Openings	Face to Face	Weight Kg(Lb)
2	250 (9.84)	410 (16.14)	50 (1.97)	267 (10.50)	26 (57)
2 1/2	250 (9.84)	495 (19.49)	64 (2.52)	292 (11.50)	50 (110)
3	315 (12.40)	495 (19.49)	76 (3.00)	318 (12.50)	55 (121)
4	355 (13.98)	620 (24.41)	100 (3.94)	356 (14.00)	77 (170)
6	400 (15.75)	730 (28.74)	150 (5.91)	444 (17.50)	180 (397)
8	560 (22.05)	880 (34.65)	200 (7.87)	559 (22.00)	270 (595)
10	610 (24.02)	1210 (47.64)	250 (9.84)	622 (24.50)	420 (926)
12	610 (24.02)	1450 (57.09)	300 (11.81)	711 (28.00)	600 (1323)

BELLOWS SEAL GLOBE VALVES – BOLTED BONNET – FULL PORT – HANDWHEEL TYPE



NO.	Parts	Material	A.S.T.M
1	Body	Cast Steel	A216-WCB
2	Bonnet	Cast Steel	A216-WCB
3	Disc	Stellite 6 faced A105/A216-WCB	
4	Disc Nut	Stainless Steel	316SS
5	Seat	Integral Hardfaced Stellite 6	
6	Stem	13Cr Stainless Steel	A276-410
7	Bonnet Bolt	Alloy Steel	A193-B7M
8	Bonnet Nut	Carbon Steel	A194-2HM
9	Bonnet Gasket	304 Spiral Wound Graphite	
14	Gland Packing	Graphoil	
15	Gland	13Cr Stainless Steel	A276-410
16	Gland Flange	Carbon Steel	
17	Eye Bolt	Carbon Steel	A668-C
18	Eye Bolt Nut	Carbon Steel	A563A
19	Eye Bolt Pin	Carbon Steel	
24	Sleeve	Ductile Iron	A439-D2C
25	Yoke Cap	Carbon Steel	
27	Grease Nipple	Cr Plated Carbon Steel	
29	Handwheel	Ductile Iron	A395
30	Wheel Nut	Carbon Steel	A563A
31	Set Screw	Commercial	
32	Wheel Washer	Carbon Steel (for 6" & over)	
33	Pounding Receiver	Carbon Steel (for 6" & over)	
34	Stopper	13Cr Stainless Steel	A276-410
35	Stem Guide	Carbon Steel	A283-C
37	Name Plate	Stainless Steel	304SS
64	Bellows	Stainless Steel	321SS
65	End Fitting	Stainless Steel	A276-316
66	Backseat Ring	Stainless Steel	A276-316

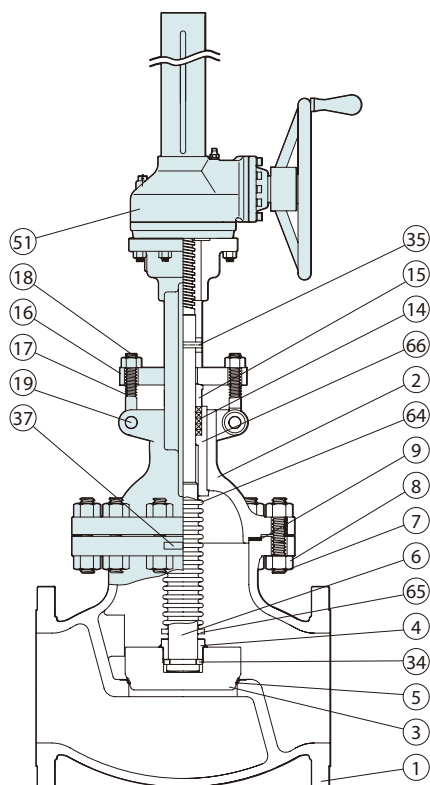
- Disc Material : A105 up to 6" , WCB for the other sizes
- Hammer Blow Handwheel : 6" & over

CLASS 600 - API 600 / BS 1873

Unit : mm(inch)

Valve Size	Handwheel Diameter	Center to Top (Open)	Dia. of Port Openings	Face to Face	Weight Kg(Lb)
2	250 (9.84)	460 (18.11)	50 (1.97)	292 (11.50)	45 (99)
2 1/2	315 (12.40)	495 (19.49)	64 (2.52)	330 (13.00)	55 (121)
3	355 (13.98)	640 (25.20)	76 (3.00)	356 (14.00)	130 (287)
4	450 (17.72)	690 (27.17)	100 (3.94)	432 (17.00)	160 (353)
6	560 (22.05)	810 (31.89)	150 (5.91)	559 (22.00)	310 (684)
8	610 (24.02)	1080 (42.52)	200 (7.87)	660 (26.00)	480 (1058)
10	610 (24.02)	1350 (53.15)	250 (9.84)	787 (31.00)	630 (1389)

BELLOWS SEAL GLOBE VALVES – BOLTED BONNET – FULL PORT – GEAR OPERATED



NO.	Parts	Material	A.S.T.M
1	Body	Cast Steel	A216-WCB
2	Bonnet	Cast Steel	A216-WCB
3	Disc	Stellite 6 faced A105/A216-WCB	
4	Disc Nut	Stainless Steel	316SS
5	Seat	Integral Hardfaced Stellite 6	
6	Stem	13Cr Stainless Steel	A276-410
7	Bonnet Bolt	Alloy Steel	A193-B7M
8	Bonnet Nut	Carbon Steel	A194-2HM
9	Bonnet Gasket	304 Spiral Wound Graphite	
14	Gland Packing	Graphoil	
15	Gland	13Cr Stainless Steel	A276-410
16	Gland Flange	Carbon Steel	
17	Eye Bolt	Carbon Steel	A668-C
18	Eye Bolt Nut	Carbon Steel	A563A
19	Eye Bolt Pin	Carbon Steel	
34	Stopper	13Cr Stainless Steel	A276-410
35	Stem Guide	Carbon Steel	A283-C
37	Name Plate	Stainless Steel	304SS
51	Gear Box	Commercial	
64	Bellows	Stainless Steel	321SS
65	End Fitting	Stainless Steel	A276-316
66	Backseat Ring	Stainless Steel	A276-316

• Disc Material : A105 up to 6", WCB for the other sizes

CLASS 150 - API 600 / BS 1873

Unit : mm(inch)

Valve Size	Handwheel Diameter	Center to Top	Dia. of Port Openings	Face to Face	Weight Kg(Lb)
8	500 (19.69)	1250 (49.21)	200 (7.87)	495 (19.50)	250 (551)
10	500 (19.69)	1450 (57.09)	250 (9.84)	622 (24.50)	360 (794)
12	630 (24.80)	1700 (66.93)	300 (11.81)	698 (27.50)	550 (1213)
14	630 (24.80)	1950 (76.77)	337 (13.27)	698 (27.50)	650 (1433)
16	710 (27.95)	2300 (90.55)	388 (15.28)	914 (36.00)	900 (1985)
18	710 (27.95)	2700 (106.30)	439 (17.28)	978 (38.50)	1200 (2646)

CLASS 300 - API 600 / BS 1873

Unit : mm(inch)

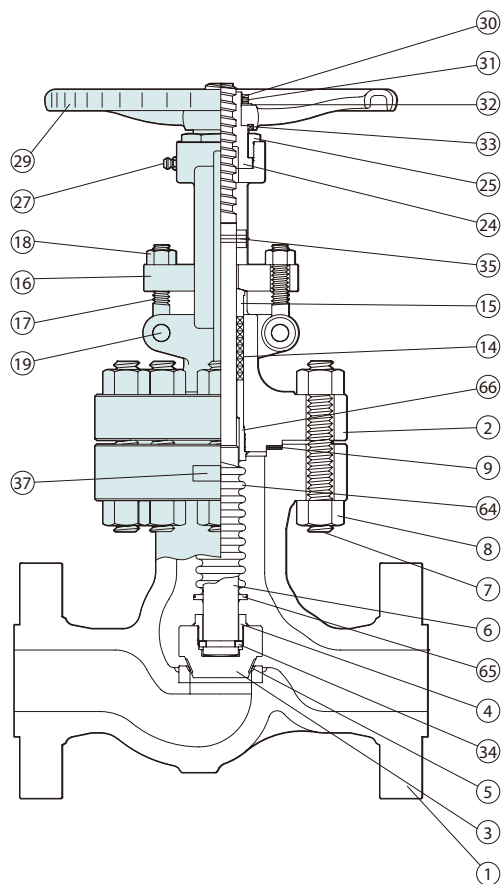
Valve Size	Handwheel Diameter	Center to Top	Dia. of Port Openings	Face to Face	Weight Kg(Lb)
8	500 (19.69)	1300 (51.18)	200 (7.87)	559 (22.00)	290 (640)
10	630 (24.80)	1500 (59.06)	250 (9.84)	622 (24.50)	450 (992)
12	710 (27.95)	1750 (68.90)	300 (11.81)	711 (28.00)	650 (1433)
14	800 (31.50)	2000 (78.84)	337 (13.27)	838 (33.00)	950 (2095)
16	900 (35.43)	2400 (94.50)	388 (15.28)	863 (34.00)	1300 (2867)
18	900 (35.43)	2800 (110.23)	439 (17.28)	978 (38.50)	1700 (3749)

CLASS 600 - API 600 / BS 1873

Unit : mm(inch)

Valve Size	Handwheel Diameter	Center to Top	Dia. of Port Openings	Face to Face	Weight Kg(Lb)
6	630 (24.80)	1550 (61.02)	150 (5.91)	559 (22.00)	350 (772)
8	710 (27.95)	1700 (66.93)	200 (7.87)	660 (26.00)	550 (1213)
10	800 (31.50)	2000 (78.74)	250 (9.84)	787 (31.00)	700 (1544)

BELLOWS SEAL GLOBE VALVES – BOLTED BONNET – FULL PORT – HANDWHEEL TYPE



NO.	Parts	Material	A.S.T.M
1	Body	Cast Steel	A216-WCB
2	Bonnet	Cast Steel	A216-WCB
3	Disc	Stellite 6 faced A105	
4	Disc Nut	Stainless Steel	316SS
5	Seat	Integral Hardfaced Stellite 6	
6	Stem	13Cr Stainless Steel	A276-410
7	Bonnet Bolt	Alloy Steel	A193-B7M
8	Bonnet Nut	Carbon Steel	A194-2HM
9	Bonnet Gasket	304 Spiral Wound Graphite	
14	Gland Packing	Graphoil	
15	Gland	13Cr Stainless Steel	A276-410
16	Gland Flange	Carbon Steel	
17	Eye Bolt	Carbon Steel	A668-C
18	Eye Bolt Nut	Carbon Steel	A563A
19	Eye Bolt Pin	Carbon Steel	
24	Sleeve	Ductile Iron	A439-D2C
25	Yoke Cap	Carbon Steel	
27	Grease Nipple	Cr Plated Carbon Steel	
29	Handwheel	Ductile Iron	A395
30	Wheel Nut	Carbon Steel	A563A
31	Set Screw	Commercial	
32	Wheel Washer	Carbon Steel (for 4" & over)	
33	Pounding Receiver	Carbon Steel (for 4" & over)	
34	Stopper	13Cr Stainless Steel	A276-410
35	Stem Guide	Carbon Steel	A283-C
37	Name Plate	Stainless Steel	304SS
64	Bellows	Stainless Steel	321SS
65	End Fitting	Stainless Steel	A276-316
66	Backseat Ring	Stainless Steel	A276-316

• Hammer Blow Handwheel : 4" & over

CLASS 900 - API 600 / BS 1873

Unit : mm(inch)

Valve Size	Handwheel Diameter	Center to Top (Open)	Dia. of Port Openings	Face to Face	Weight Kg(Lb)
2	355 (13.98)	605 (23.82)	47 (1.85)	368 (14.50)	95 (209)
3	450 (17.72)	720 (28.35)	72 (2.83)	381 (15.00)	150 (331)
4	560 (22.05)	820 (32.28)	98 (3.86)	457 (18.00)	190 (419)
6	610 (24.02)	1050 (41.34)	146 (5.75)	610 (24.00)	440 (970)

CLASS 1500 - API 600 / BS 1873

Unit : mm(inch)

Valve Size	Handwheel Diameter	Center to Top (Open)	Dia. of Port Openings	Face to Face	Weight Kg(Lb)
2	355 (13.98)	605 (23.82)	47 (1.85)	368 (14.50)	95 (209)
3	450 (17.72)	720 (28.35)	69 (2.72)	470 (18.50)	190 (419)
4	560 (22.05)	820 (32.28)	92 (3.62)	546 (21.50)	330 (728)
6	610 (24.02)	1050 (41.34)	136 (5.35)	705 (27.75)	840 (1852)