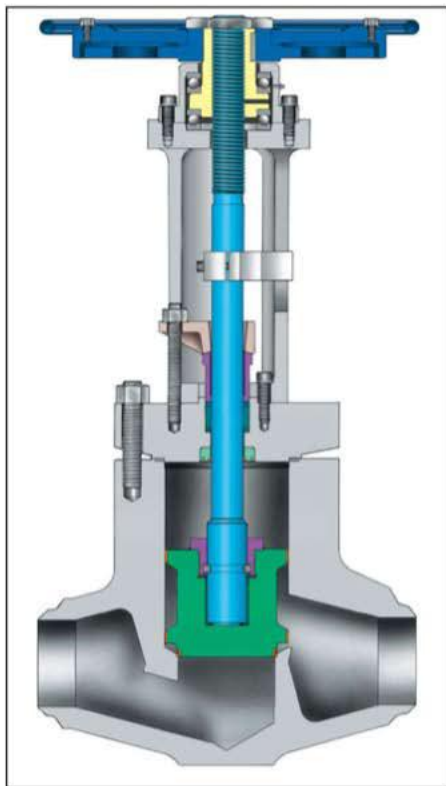




BOLTED BONNET GLOBE VALVES **CARBON, ALLOY OR STAINLESS STEEL**

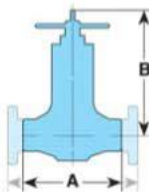
ASME CLASSES 150–1500,
 FORGED: 2½–10" (65–250 mm)
 CAST: 12–14" (300–350 mm)



DESIGN FEATURES:

- **Stronger, leakproof bolted body bonnet joint** ensures joint tightness with a higher bolting torque. *(See page 11 for details.)*
- **Body guided disc eliminates side thrust** and provides longer disc, seat and body life. *(See page 28 for details.)*
- **Impactor Handwheel** for tight shutoff.
- **Designed to ASME B16.34.**
- **Body** made of superior strength forgings and optional cast steel.
- **Velan stem seal** offers tight seal with little to no maintenance over long periods of time.
- **Optional** live-loading of packing.
- **Non-rotating** stem.
- **Hardfaced** seating faces resist erosion.
- Available with provision for seal weld
- Other sizes and pressure classes available. Contact the company for specifications.

CLASS	FIGURE NUMBERS	
	STOP	STOP CHECK
150	0074B	0084B
300	1074B	1084B
600	2074B	2084B
900	7074B	7084B
1500	3074B	3084B



Flange dimensions are in accordance with ASME B16.5.
 Flanges are welded on.

FLOW COEFFICIENT CV*

SIZE in mm	CLASS			
	150/300	600	900	1500
2½ 65	65	65	45	45
3 80	100	100	65	65
4 100	170	170	110	110
6 150	375	375	350	350
8 200	710	710	640	425
10 250	1000	1000	710	710
12 300	1550	1550	1050	960
14 350	2175	2175	1475	960

* Kv = Cv x 0.85

STANDARD MATERIALS

PART	MATERIAL			
Body ⁽¹⁾⁽²⁾	A 105	A 182 Gr. F11	A 182 Gr. F22	A 182 Gr. F316
Bonnet ⁽¹⁾				
Disc ⁽¹⁾⁽²⁾	A 105 or A 216 Gr. WCB	A 182 Gr. F11 or A 217 Gr. WC6	A 182 Gr. F22 or A 217 Gr. WC9	A 182 Gr. F316 A 351 Gr. CF8M
Stem ⁽¹⁾⁽³⁾	Gr. 410			Gr. 630 or Gr. 660
Yoke	Carbon steel			
Gasket ⁽¹⁾	Spiral wound stainless and graphite			
Body/bonnet stud	Gr. B7	Gr. B16		Gr. B8M or Gr. 630
Body/bonnet nut	Gr. 2H	Gr. 4		Gr. 8M
Packing ring ⁽¹⁾	Graphite			
Packing flange	Carbon steel			Stainless
Gland				
Gland stud	Gr. B7			Gr. B8M or Gr. 630
Gland nut	Gr. 2H			Gr. 8M
Torque arm	Carbon steel			
Yoke bolting	Gr. B7 or A 574			
Yoke nut	Manganese bronze or Austenitic Ductile Iron A 439 Gr. D-2C			
Thrust bearing	Steel			
Handwheel ⁽¹⁾	Malleable iron or steel			

(1) Other materials available. (2) Stellite. (3) Hardened. **SEAT INTEGRAL STELLITE 6**

DIMENSIONS – BUTT WELD END

SIZE in mm	ASME 150 (PN 20)			ASME 300 (PN 50)			ASME 600 (PN 100)			ASME 900 (PN 150)			ASME 1500 (PN 250)		
	A	B ⁽⁴⁾	lb kg	A	B ⁽⁴⁾	lb kg	A	B ⁽⁴⁾	lb kg	A	B ⁽⁴⁾	lb kg	A	B ⁽⁴⁾	lb kg
2½ 65	8.50 216	20.38 518	100 45	9.50 241	20.38 518	100 45	8.50 216	20.38 518	100 45	10.00 254	20.32 516	100 45	10.00 254	20.32 516	100 45
3 80	9.50 241	27.88 708	200 91	12.50 318	27.88 708	200 91	10.00 254	27.88 708	200 91	12.00 305	28.00 711	200 91	12.00 305	28.00 711	200 91
4 100	11.50 292	29.88 759	250 113	14.00 356	29.88 759	250 113	12.00 305	29.88 759	250 113	14.00 356	29.25 743	250 113	16.00 406	29.25 743	250 113
6 150	16.00 406	44.50 1130	600 272	17.50 445	44.50 1130	600 272	18.00 475	44.50 1130	600 272	20.00 508	50.38 1280	850 386	22.00 559	44.88 1140	850 386
8 200	19.50 495	47.63 1210	1000 454	22.00 559	47.63 1210	1000 454	26.00 660	47.63 1210	1000 454	28.00 660	47.63 1210	1500 680	28.00 711	47.63 1210	1500 680
10 250	24.50 622	57.75 1467	1500 680	24.50 622	57.75 1467	1500 680	31.00 787	57.75 1467	1500 680	31.00 787	53.00 1346	1750 794	34.00 864	53.00 1346	1750 794
12 300	27.50 699	72.25 1835	2300 1043	28.00 711	72.25 1835	2300 1043	33.00 838	72.25 1835	2300 1043	38.00 965	72.25 1835	3200 1452	44.50 1130	77.25 1962	3700 1678
14 350	31.00 787	72.25 1835	2300 1043	33.00 838	72.25 1835	2300 1043	35.00 889	72.25 1835	2300 1043	40.50 1029	72.25 1835	3200 1452	44.50 1130	77.25 1962	3700 1678

(4) Dimension is center to top in open position.