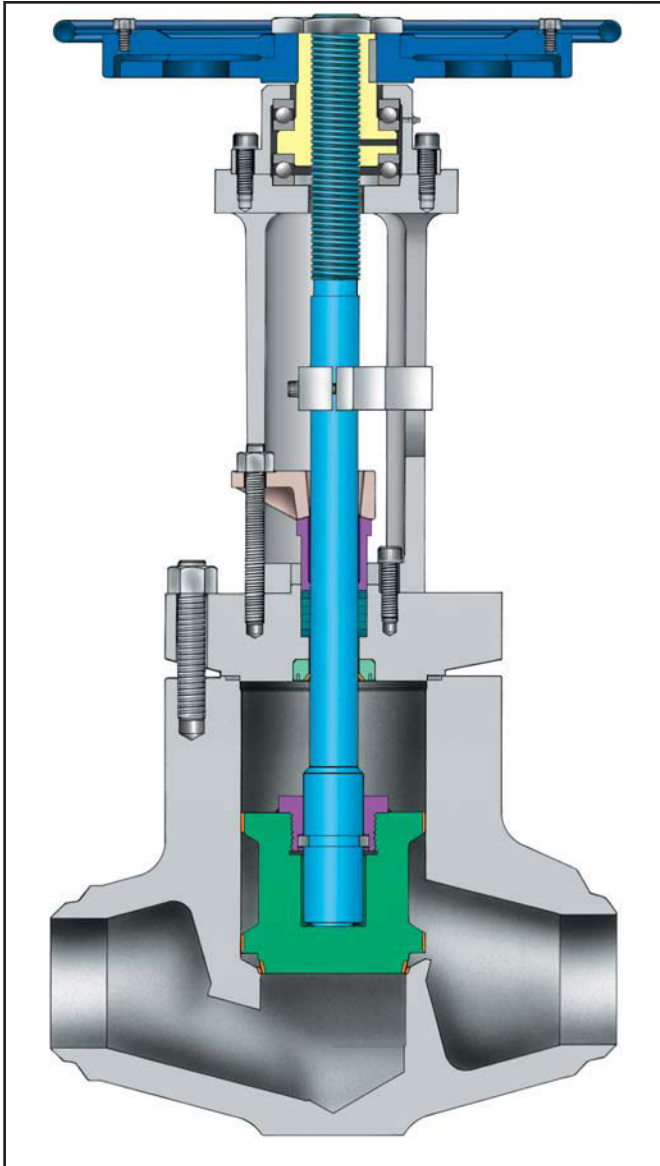




BOLTED BONNET GLOBE VALVES CARBON, ALLOY OR STAINLESS STEEL

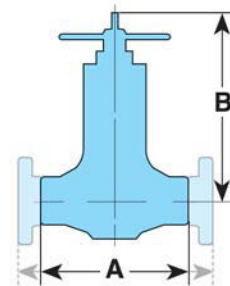
ASME CLASSES 150–1500,
FORGED: 2½–10" (65–250 mm)
CAST: 12–14" (300–350 mm)



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

* $K_v = C_v \times 0.85$

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

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