

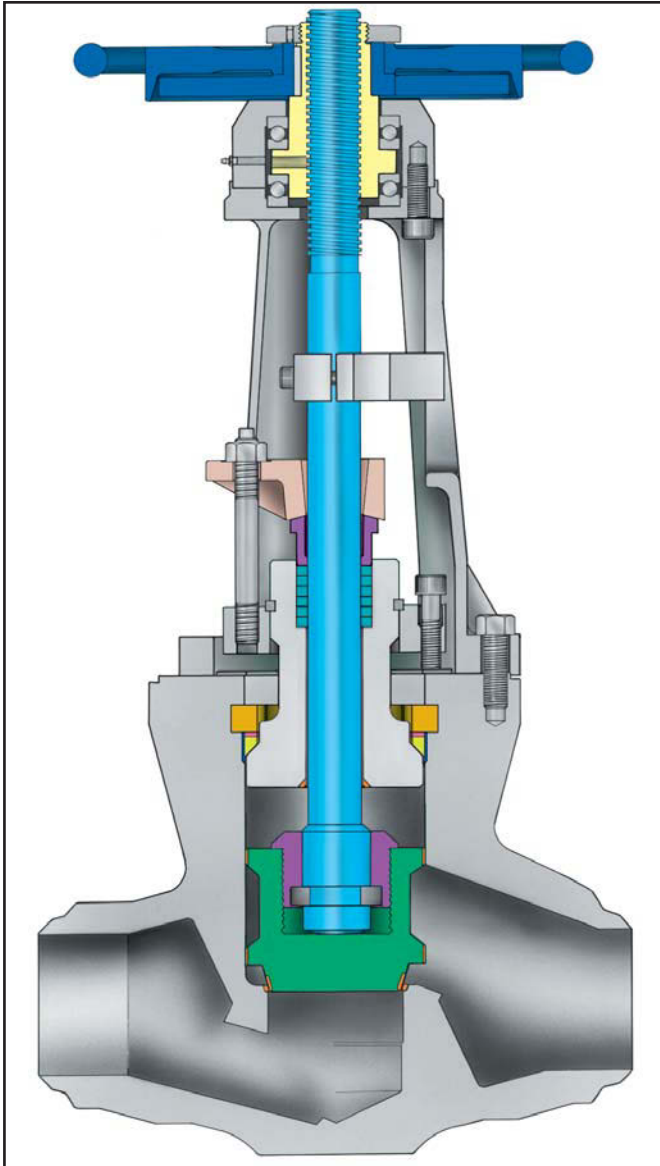


PRESSURE SEAL GLOBE VALVES CARBON, ALLOY OR STAINLESS STEEL

ASME CLASSES 600–2500, 2 – 16" (50–400 mm)

ASME CLASS 4500, 2½ – 6" (65–150 mm)

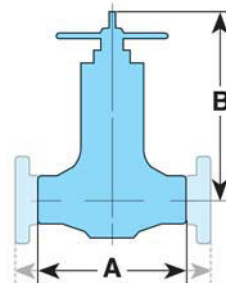
FORGED: 2 – 10" (50–250 mm), CAST: 12 – 16" (300–400 mm)



DESIGN FEATURES:

- **Velan pressure seal design.**
(See page 10 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.

CLASS	FIGURE NUMBERS			
	STOP		STOP CHECK	
	FORGED	CAST	FORGED	CAST
600	2074P	2074K	2084P	2084K
900	7074P	7074K	7084P	7084K
1500	3074P	3074K	3084P	3084K
2500	4074P	–	4084P	–
4500	5074P	–	5084P	–



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

FLOW COEFFICIENT CV* STANDARD MATERIALS

SIZE in mm	CLASS				PART	MATERIAL					
	600	900	1500	2500							
2 50	45	45	45	20	Body ⁽¹⁾	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. F91 or A 217 C12A	A 182 Gr. F316 or A 351 Gr. CF8M	
2½ 65	65	65	65	35	Bonnet ⁽¹⁾	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. F91	A 182 Gr. F316 or A 351 Gr. CF8M	
3 80	100	100	100	35	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. F91	A 182 Gr. F316 or A 351 Gr. CF8M	
4 100	170	170	170	60	Stem ⁽¹⁾⁽³⁾	Gr. 410			Gr. 616 or Gr. 660	Gr. 630 or Gr. 660	
6 150	350	350	350	200	Yoke	Carbon steel					
8 200	640	425	425	350	Gasket ⁽¹⁾	Soft carbon steel–silver plated or Graphite / SS 316					
10 250	875	875	710	490	Gasket retainer	A 182 Gr. F6a Cl. 4			Gr. 616 or Gr. 660	Gr. 630 or Gr. 660	
12 300	1875	1400	960	–	Spacer ring	Gr. 4140 option Ni or Cad plated or SS					
14 350	2175	–	960	–	Packing ring ⁽¹⁾	Graphite					
16 400	2925	–	–	–	Packing flange	Carbon steel			Stainless		
					Gland	Carbon steel	Stainless				
					Gland stud	Gr. B7					
					Gland nut	Gr. 2H					
					Bonnet retainer	Carbon steel	Alloy Steel			Stainless	
					Torque arm	Carbon steel					
					Yoke bolting	Gr. B7					
					Yoke nut	Manganese bronze or Austenitic Ductile Iron A 439 Gr. D-2C					
					Thrust bearing	Steel					
					Handwheel ⁽¹⁾	Malleable iron or steel					

*Kv = Cv x 0.85

(1) Other materials available, including Graphite. (2) Stellited. (3) Hardened. **SEAT INTEGRAL STELLITE 6.**

Note: 2–10" (50–250 mm) are forged, 12–16" (300–400 mm) are cast.

DIMENSIONS – BUTT WELD END⁽⁶⁾

SIZE in mm	ASME 600 (PN100)			ASME 900 (PN 150)			ASME 1500 (PN 250)			ASME 2500 (PN 420)			ASME 4500 (PN760)		
	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
2 50	10.00 ⁽⁵⁾ 254	17.13 435	100 45	10.00 ⁽⁵⁾ 254	17.13 435	100 45	10.00 ⁽⁵⁾ 254	17.13 435	100 45	11.00 279	23.69 602	228 103	— —	— —	— —
2½ 65	8.50 216	17.13 435	100 45	10.00 254	17.13 435	100 45	10.00 254	17.13 435	100 45	13.00 330	23.44 595	226 103	18.00 457	23.68 601	245 111
3 80	10.00 254	23.56 598	225 102	12.00 305	23.56 598	225 102	12.00 305	23.56 598	225 102	14.50 368	23.44 595	250 113	14.00 356	23.50 597	245 111
4 100	12.00 305	25.43 646	300 136	14.00 356	25.43 646	300 136	16.00 406	25.43 646	300 136	18.00 457	25.00 635	350 159	18.00 457	23.68 601	325 147
6 150	18.00 457	39.80 1011	800 363	20.00 508	39.80 1011	800 363	22.00 559	39.80 1011	800 363	24.00 610	39.80 1011	850 386	24.00 610	39.80 1011	850 386
8 200	26.00 660	42.88 1089	1500 680	26.00 660	42.88 1089	1500 680	28.00 711	42.88 1089	1500 680	30.00 762	43.00 1092	1750 795	— —	— —	— —
10 250	31.00 787	50.75 1289	1750 795	31.00 787	50.75 1289	1750 795	34.00 864	47.57 1208	1750 795	34.00 ⁽⁵⁾ 864	45.50 1156	2000 907	— —	— —	— —
12 300	33.00 838	62.88 1597	2000 907	38.00 965	62.88 1597	2800 1270	44.50 1130	67.25 1708	3200 1452	— —	— —	— —	— —	— —	— —
14 350	35.00 889	62.88 1597	2100 953	40.50 1029	62.88 1597	2900 1315	44.50 1130	67.25 1708	3200 1452	— —	— —	— —	— —	— —	— —
16 400	39.00 990	63.00 1600	2500 1134	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —

(4) Dimension is center to top in open position. (5) The following valves do not meet the ASME B16.10 end to end dimensions.

(6) For cast valve dimensions contact the factory.