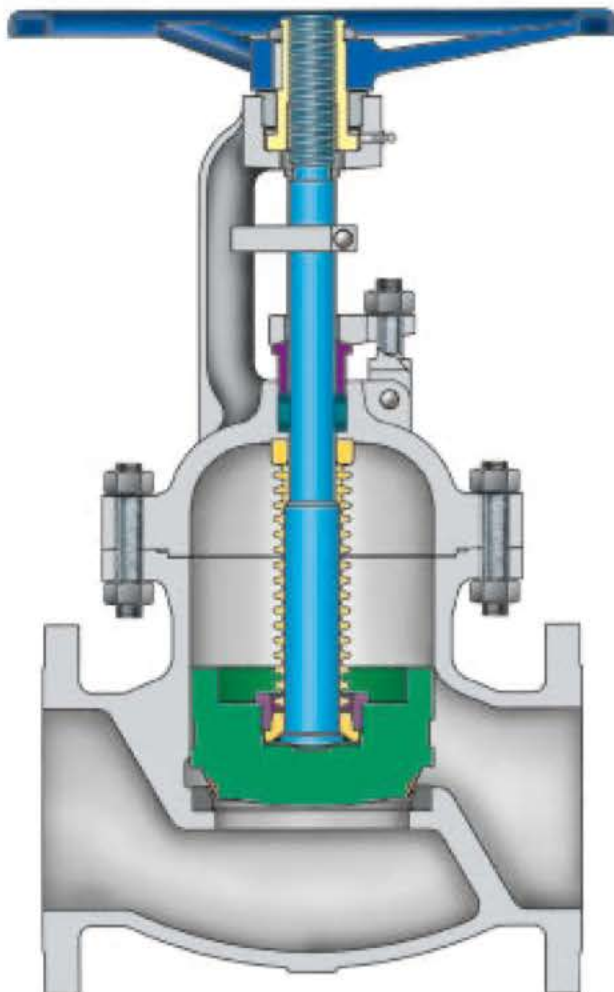




CAST STEEL BELLOWS SEAL BOLTED BONNET GLOBE VALVES

2– 8" (50–200 mm) API 600, ASME CLASSES 150, 300, 600



Available in A 216 Gr. WCB, A 217 Gr. WC6,
A 217 Gr. C5, A 352 Gr. LCB and A 351 Gr. CF8M.

DESIGN FEATURES:

- **Long cycle life bellows (3000 cycles)**
in Gr. 321 (stainless), Inconel for special applications,
or Hastelloy C for chlorine service.
- **Bolted body-bonnet joints** for fast serviceability.
Fully enclosed spiral wound Gr. 316 (stainless)
graphite gaskets.
- **Non-rotating stem** prevents torsion of bellows.
- **Two-secondary stem seals:**
a) Back seat in open position. b) Graphite packing.
- **Bellows monitoring port** (optional).
A plug can be connected to the space
above the bellows to monitor performance.
- **Seat and disc hardfaced with Stellite 6,**
ground and lapped.

STANDARD MATERIALS

Part	Carbon Steel	Stainless Steel
Body/bonnet	A 216 Gr. WCB	A 351 Gr. CF8M
Stem	Gr. 13 CR	Gr. 316
Disc ⁽¹⁾	CA-15 or 13CR or A 105 HF	CF8M HFor F316 HF
Bellows	Gr. 321 (stainless), Inconel or Hastelloy	
Bellows fitting	Gr. 321 (stainless)	
Packing	Graphite	
Seat	Integral hardfaced Stellite 6	
Stem nut	Manganese bronze	

(1) Soft disc inserts available for gas or vacuum service.

FIGURE NUMBERS

Class	Figure No.
150	0074V
300	1074V
600	2074V

PRESSURE/TEMPERATURE RATINGS

Material	Temp. °F °C	Working Pressure			Shell Test Pressure		
		150	300	600	150	300	600
A 216 Gr. WCB	100 38	285 20	740 51	1480 102	450 31	1125 78	2225 153
	800 427	8.5 5.5	410 28	825 57			
A 351 Gr. CF8M	100 38	275 19	720 50	1440 99	425 29	1100 76	2175 150
	1000 538	2.0 1.4	350 24	700 48			

DIMENSIONS AND WEIGHTS

Size in mm	Class 150					Class 300					Class 600				
	Center to Top Closed	Center to Top Open	End to End	Weight		Center to Top Closed	Center to Top Open	End to End	Weight		Center to Top Closed	Center to Top Open	End to End	Weight	
				BW or FL	FL				BW or FL	FL				BW or FL	FL
2	14.35	14.98	8.00	50	57	14.35	14.98	10.50	54	62	17.64	18.14	11.50	81	93
50	364	380	203	23	26	364	380	267	25	28	448	461	292	37	42
2½	14.72	15.34	8.50	56	60	14.72	15.34	11.50	65	74	18.00	19.43	13.00	120	131
65	374	390	216	26	27	374	390	292	30	34	457	494	330	54	59
3	17.07	17.82	9.50	85	105	17.07	17.82	12.50	91	117	24.30	25.03	14.00	175	195
80	433	453	241	39	48	433	453	318	41	53	617	636	356	79	88
4	21.16	22.16	11.50	124	156	21.16	22.16	14.00	134	175	27.72	28.75	17.00	288	360
100	537	563	292	56	71	537	563	356	61	79	704	730	432	131	163
6	23.76	25.01	16.00	246	286	23.76	25.01	17.50	267	343	38.82	40.32	22.00	560	660
150	604	635	406	116	130	604	635	445	121	156	986	1024	559	254	299
8	28.85	30.46	19.50	413	443	31.98	33.59	22.00	455	573	51.56	53.56	26.00	1418	1588
200	733	774	495	187	201	812	853	559	206	260	1310	1360	660	643	720