

INTEGRAL FLANGED GLOBE VALVES



F180D CLASS 150

F380D CLASS 300

F680D CLASS 600

- SIZES 1/2" THRU 2"
- FORGED STEEL
- ASTM A105N

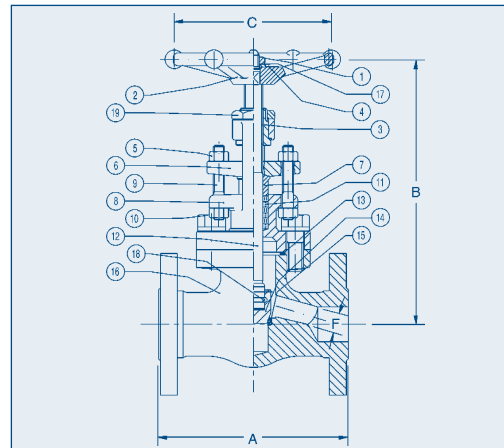
Design construction:
 ASME B16.34 - BS 5352
 Testing according to API 598
 Marking MSS SP25
 Outside Screw and Yoke (OS&Y)
 Loose disc stem assembly
 Self aligning two piece packing gland
 Spiral-wound gasket
 Integral backseat
 Integral body flanges
 Face to face according to ASME B16.10
 125-250 AARH serrated spiral finish
 Flanges according to ASME B16.5

- Ratings:**
- carbon steel class 150 285 psig @ 100°F
20 bar + 38°C
 - carbon steel class 300 740 psig @ 100°F
51 bar + 38°C
 - carbon steel class 600 1480 psig @ 100°F
102 bar + 38°C

DIMENSIONAL SPECIFICATIONS						
SIZE	inch	1/2	3/4	1	1 1/2	2
	mm	15	20	25	40	50
A	inch mm	4.25 108	4.62 117,5	5 127	6.5 165	8 203
B open	inch mm	7.72 196	7.72 196	8.9 226	10.75 273	11.81 300
C	inch mm	3.46 88	3.46 88	3.82 97	5.43 138	6.77 172
F	inch mm	.35 9	.51 13	.68 17,5	1.16 29,5	1.38 35
Typical CV Factors		1.3	3.9	7.1	17.5	21.4
Weight	lb. kg	6.5 3	8.25 3,8	12 5,5	22.5 10,3	34.75 15,8
PACKING		BH3	BH3	BH5	BY5	BY7
GASKET		G2	G2	G3	G5	G8

DIMENSIONAL SPECIFICATIONS						
SIZE	inch	1/2	3/4	1	1 1/2	2
	mm	15	20	25	40	50
A	inch mm	6 152,5	7 178	8 203	9.02 229	10.51 267
B open	inch mm	7.72 196	7.95 202	8.9 226	10.63 270	12.64 321
C	inch mm	3.46 88	3.46 88	3.82 97	5.43 138	6.77 172
F	inch mm	.35 9	.51 13	.68 17,5	1.16 29,5	1.38 35
Typical CV Factors		1.3	3.9	7.1	17.5	21.4
Weight	lb. kg	9 4,1	13 6	18.25 8,3	36.25 15,5	47.25 21,5
PACKING		BH3	BH3	BH5	BY5	BY7
GASKET		G2	G2	G3	G6	G7

DIMENSIONAL SPECIFICATIONS						
SIZE	inch	1/2	3/4	1	1 1/2	2
	mm	15	20	25	40	50
A	inch mm	6.50 165	7.51 191	8.50 216	9.50 241	11.50 292
B open	inch mm	7.72 196	7.95 202	9.21 234	10.63 270	12.64 321
C	inch mm	3.46 88	3.46 88	3.82 97	5.43 138	6.77 172
F	inch mm	.35 9	.51 13	.67 17,5	1.16 29,5	1.38 35
Typical CV Factors		1.3	3.9	7.1	17.5	21.4
Weight	lb. kg	9.5 4,4	13.5 6,2	19 8,7	36.25 16,5	52 23,6
PACKING		BH3	BH3	BH5	BY5	BY7
GASKET		G2	G2	G3	G6	G7



MATERIALS OF CONSTRUCTION

IT.	DESCRIPTION	MATERIAL
1	Handwheel Nut	Carbon Steel
2	Handwheel	Carbon Steel
3	Yoke Sleeve	AISI 416
4	Name Plate	Aluminum
5	Gland Nuts	A194-2H
6	Gland Flange	A105
7	Packing Gland	AISI 410
8	Bonnet	A105N
9	Gland Studs	AISI 410
10	B/B Bolts	A193 B7
11	Packing	Graphite
12	Stem	AISI 410
13	B/B Gasket	F316L + Graphite
14	Disc	AISI 410
15	Integral Seat	Stellite
16	Body	A105N
17	Washer	Carbon Steel
18	Connection Wire	316
19	Yoke Nut	Carbon Steel