

# Gate valves – bolted bonnet

Type

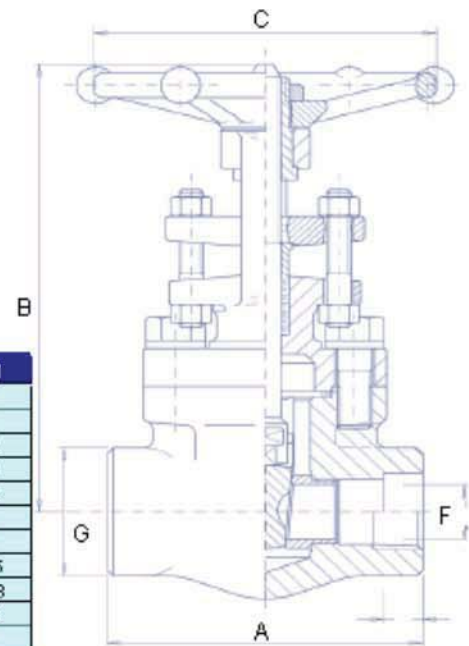
GA800FBB

Design construction:  
API 602 - BS 5352 - NF M87.412  
Testing according to API 598 - BS 6755  
Marking MSS SP25

Socket weld Ends to ANSI B16.11  
Screwed Ends (NPT) to ANSI B1.20.1  
Butt welding Ends to ANSI B.16.25

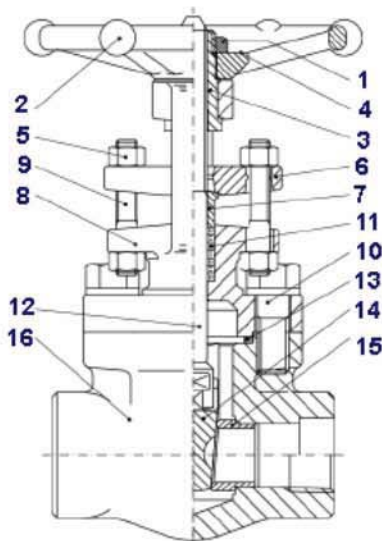
Outside Screw and Yoke (OS&Y)  
Self aligning packing gland in two parts  
Spiral-wound gasket retained type  
Integral backseat

Ratings:  
- carbon steel class 800 1975 psig@100°F  
138 bar + 38°C



FULL BORE - Type H 100		CLASS 800							
size	inch	1.74	3.78	1.72	3.74	1	1.174	1.172	2
	mm	6	10	15	20	25	32	40	50
<b>A</b>		80	80	90	110	127	127	134	152
<b>B open</b>		152	152	158	196	225	255	290	358
<b>C</b>		88	88	88	97	138	138	136	172
<b>F</b>		8	9,6	14	18	24	30	36,6	48
<b>G</b>		32	32	38	48	56	64	78	85
<b>WEIGHT Kg</b>		2,1	2,1	2,3	3,7	5,9	7,4	8,3	12,5
<b>FIGURE</b>		H 101	H102	H103	H104	H105	H106	H107	H108
<b>PACKING</b>		BH2	BH2	BH2	BH4	BH5	BH6/A	BY5/A	B48
<b>GASKET</b>		G2	G2	G2	G3	G4	G6	G7	G9

For special execution see special features  
For materials and testing pressure see technical data



TYPICAL GATE		
PART	NAME	MATERIALS
1	HANDWHEEL NUT	CARBON STEEL
2	HANDWHEEL	CARBON STEEL
3	YOKE SLEEVE	AISI 416
4	NAME PLATE	ALUMINUM
5	GLAND NUTS	ASTM A194-2H
6	GLAND FLANGE	ASTM A105
7	PACKING GLAND	AISI316
8	BONNET	ASTM A105N
9	GLAND STUDS	ASTM A193 B6
10	B/B BOLTS	ASTM A193 B7
11	PACKING GLAND	GRAPHITE
12	STEM	ASTM A479 410
13	B/B GASKET	F316L+GRAPHITE
14	WEDGE	ASTM A182 F6a
15	SEAT RINGS	ASTM A479 410
16	BODY	ASTM A105 N