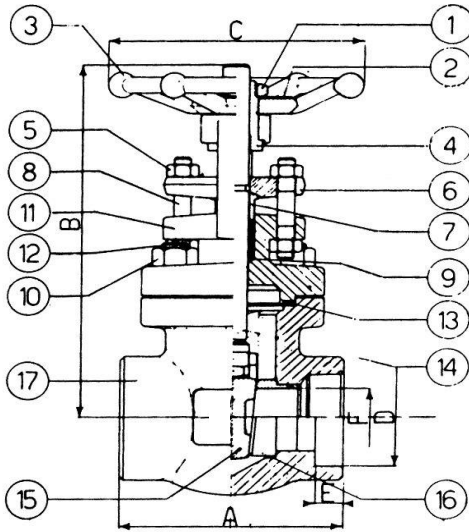


# FORGED STEEL GATE VALVE CLASS 800 LBS.

DRW: RD-FGV01 Rev1



**API 602 - BS 5352 -**  
**Testing according to API 598 - BS 6755**  
**Marking MSS SP25**  
**Outside screw & yoke (OS&Y)**  
**Bolted Bonnet**  
**Socket weld Ends to ANSI B16.11**  
**Screwed Ends (NPT) to ANSI B1.20.1**  
**Butt Welding Ends to ANSI B16.25**

**Ratings (Class 800 according to API 602 sixth ed.):**

**carbon steel class 800 : 1975 PSI at 100°F**  
**136 bar at +38°C**  
**stainless steel 316/L class 800 : 1920 PSI at 100°F**  
**132,3 bar at +38°C**

PART NAME	PARTICOLARE	CARBON STEEL	STAINLESS STEEL
1) HANDWHEEL NUT	DADO	CARBON STEEL	STAINLESS STEEL
2) NAMEPLATE	TARGHETTA	STAINLESS STEEL	STAINLESS STEEL
3) HANDWHEEL	VOLANTINO	CARBON STEEL	CARBON STEEL
4) YOKE NUT	DADO	S.S. AISI 416	S.S. AISI 316L
5) GLAND NUT	DADO PREMISTOPPA	ASTM A194 - 2H	ASTM A194 - Gr.8M
6) GLANDE FLANGE	FLANGIA	ASTM A105N	ASTM A182 F316L
7) PACKING GLAND	PREMISTOPPA	S.S. AISI 416	S.S. AISI 316L
8) GLAND STUD BOLTS	TIRANTI	ASTM A193 - B7	ASTM A193 - B8M
9) PACKING RING	BADERNA	GRAPHITE	GRAPHITE
10) NUTS	DADO	ASTM A194 - 2H	ASTM A194 - Gr.8M
11) BONNET	COPERCHIO	ASTM A105N	ASTM A182 F316L
12) STUDS BODY	TIRANTI	ASTM A193 - B7	ASTM A193 - B8M
13) GASKET	GUARNIZIONI	GRAPHITE + A. 316	GRAPHITE + A. 316
14) STEM	STELO	S.S A182 F6a	S.S A182 F316L
15) WEDGE	CUNEO	S.S A182 F6a	S.S A182 F316L
16) SEATS	SEDE	S.S A182 F6a+STELLITE Gr.6	S.S A182 F316L
17) BODY	CORPO	ASTM A105N	ASTM A182 F316L

ALTERNATE MATERIALS AVAILABLE

EXTERNAL MATERIAL					TRIM MATERIAL				
Body & Bonnet	Gland Flange	Bolts	Nuts	Gland Stud Bolts	Stem	Wedge	Seat		
ASTM A105		B7	2H	410	410	420	410 HF		
		B7M	2HM		316	410 HF	410 HF		
ASTM A182	A105	B16	2H	316	316	316HF	316		
					Monel	316	316		
					A350 - LF2	L7	GR8	410	410 HF
					F5			410	410 HF
					F9			410	410 HF
					F11			410	410 HF
F22	F316	B8	GR8	316	316	316 HF	316		
F304					316L	316L			
F316					316	316 HF	316		
F316L					316L	316L HF	316L		

REDUCED BORE	mm.	15	20	25	32	40	50
	inch.	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
A end to end	mm	80	90	110	127	127	130
	inch.	3,15	3,54	4,33	5,00	5,00	5,12
B center to top	mm	145	155	185	218	255	277
	inch.	5,71	6,10	7,28	8,58	10,04	10,91
C handwheel Dn.	mm	80	80	100	120	140	140
	inch.	3,15	3,15	3,94	4,72	5,51	5,51
D socket weld bore	mm	21,72	27,05	33,78	42,55	48,64	61,11
	inch.	0,86	1,06	1,33	1,68	1,91	2,41
E bore depth (min.)	mm	9,65	12,70	12,70	12,70	12,70	15,75
	inch.	0,38	0,50	0,50	0,50	0,50	0,62
F Dn. Of port	mm	10	14	18	24	30	36,5
	inch.	0,39	0,55	0,71	0,94	1,18	1,44
WEIGHT	Kg.	1,8	2,1	3,6	5,3	7,5	9,8

FULL BORE	mm.	6	10	15	20	25	32	40	50
	inch.	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
A end to end	mm	80	80	90	110	127	127	130	150 / 210
	inch.	3,15	3,15	3,54	4,33	5,00	5,00	5,12	5,90 / 8,26
B center to top	mm	145	145	155	185	218	255	277	327
	inch.	5,71	5,71	6,10	7,28	8,58	10,04	10,91	12,87
C handwheel Dn.	mm	80	80	80	100	120	140	140	170
	inch.	3,15	3,15	3,15	3,94	4,72	5,51	5,51	6,69
D socket weld bore	mm	14,1	17,53	21,72	27,05	33,78	42,55	48,64	61,11
	inch.	0,56	0,69	0,86	1,06	1,33	1,68	1,91	2,41
E bore depth (min.)	mm	9,65	9,65	9,65	12,7	12,7	12,7	12,7	15,75
	inch.	0,38	0,38	0,38	0,50	0,50	0,50	0,50	0,62
F Dn. Of port	mm	8	10	14	18	24	30	36,5	48
	inch.	0,31	0,39	0,55	0,71	0,94	1,18	1,44	1,89
WEIGHT	Kg.	1,8	1,8	2,1	3,6	5,3	7,5	9,8	15,0