

# AMCO INDUSTRIAL VALVES

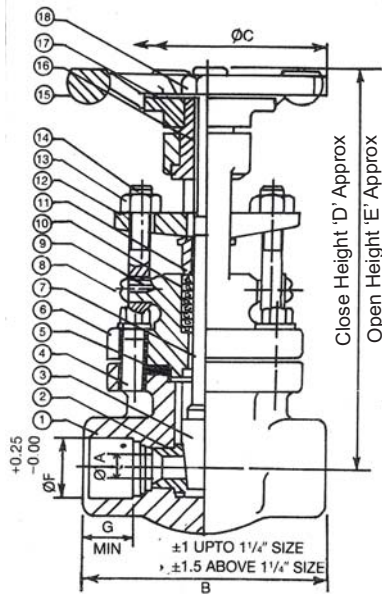


Forged Steel Gate Valve Class - 800

DATE: 13 - 06 - 07

REF: DRG. NO GTV - 7 - 0650

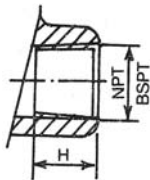
General Arrangement



No	Description	Qty	Material	Specification	Remarks
1	Body	1	Forged Carbon Steel	ASTMA 105	
2	Seat Ring	2	Stainless Steel	AISI 410	Hardness 270 - 300 HB
3	Wedge	1	S. S. AISI 410/ 420/ ASTM - A 217 GR CA 15		Hardness 350 - 475 HB
4	Collar Bolt / Hex	4	Alloy Steel	ASTMA 193 GR B7	
5	Gasket	1	Spiral wound Stainless Steel with Asbestos Filler	AISI 304	
6	Bonnet	1	Forged Carbon Steel	ASTMA 105	
7	Spindle	1	Stainless Steel	AISI 410	Hardness 220 - 250 HB
8	Set Screw	2	Carbon Steel		Galvanised
9	Washer	2	Carbon Steel		Galvanised
10	Packing	As Req.	High Quality Graphited Lubricated Asbestos Material with Alloy Wire Reinforcement		
11	Gland Bush	1	Stainless Steel	AISI 410	
12	Gland Flange	1	Forged Carbon Steel	ASTMA 105	
13	Eye Bolt Nut	2	Carbon Steel		
14	Eye Bolt	2	Forged Stainless Steel	ASTMA 182 GR F6	
15	Handwheel	1	Malleable Iron	IS 2108 GR B	
16	Yoke Sleeve	1	NI Resist Nodular CI	ASTMA 439 GR D2	
17	Name Plate	1	Anodised Alluminium		
18	Handwheel Nut	1	Carbon Steel		

REV

Replacement of Packing is Possible in fully Open Valve



### Technical Data

Design Code	Applicable Requirement	API 602	End Connection	Socket Weld	ANSI B 16.11
		BS 3808		Screwed	IS 4712
BS 5352	Butt Welding	ANSI B 2.1			
Testing Code		IBR	ANSI B 16.5	Pressure Temp Rating	ANSI B 16.25
	ANSI B 16.5				ANSI B 16.5
	BS 5146				BS 2995

These Valves are available with Forged Alloy Steel ASTM A 182 GR F5 F11 F 304 F 316 and Trimmed SS 316 SS 304 with or Without Hard Facing (Stellite) Seat.

Hydrostatic	Body	3000 PSIG
Test Pressure	Seat	2200 PSIG
Pneumatic Test	Seat	80 PSIG
Primary Service	800 PSIG AT 850 ° F	

Size	A	B	C	D	E	F	G	H	Code	Approx (Wgt Kg)
6	6.4	85	85	144	157	14.0	9.5	10.2	001 GTV	2.3
10	6.4	85	85	144	157	17.5	9.5	10.2	002 GTV	2.0
15	9.5	85	85	144	157	21.7	9.5	13.5	003 GTV	1.9
20	12.7	92	85	154	170	27.0	12.7	13.8	004 GTV	2.5
25	17.6	101	85	174	194	33.8	12.7	17.3	005 GTV	3.9
40	30.2	127	145	232	265	48.6	12.7	18.3	006 GTV	10.5
50	36.6	140	145	234	274	61.1	15.9	19.2	007 GTV	15.2

(All Dimensions in mm)

Customer \_\_\_\_\_  
 Order No: \_\_\_\_\_  
 Job / Project \_\_\_\_\_

Manufactured By : **AMCO INDUSTRIAL VALVES**, ROYAPURAM, CHENNAI - 600 013, INDIA.

Due to continuous development programme, the design and data given in this leaflet are subject to change without prior notice.

For Record

For Approval