

**GATE VALVE EXTENDED BONNET CLASS 150
FORGED STEEL BOLTED BONNET FLANGED END RF**

Material of Construction

Body	: ASTM A105 N, CF8, CF8M, 316/316L NACE, F11, F22, LF2
Bonnet	: ASTM A105 N, CF8, CF8M, 316/316L NACE, F11, F22, LF2
Wedge	: ASTM A105 N, CF8, CF8M, 316/316L NACE, F11, F22, LF2
Trim	: ASTM A82 Gr. F6, 11, 12, 8, 5
Seat	: HF Stellite
Gland Packing	: Graphite Asbestos, INHIB, inconel wire rein
Bolt + Nut	: B7/2H - B8/8 or B7/2H
Gasket	: SPW SS304/316 with CAF/Grafoil

Ratings (ASTM A105)

150 p.s.i. @ 550°F
285 p.s.i. @ 100°F

Test pressure (ASTM A105)

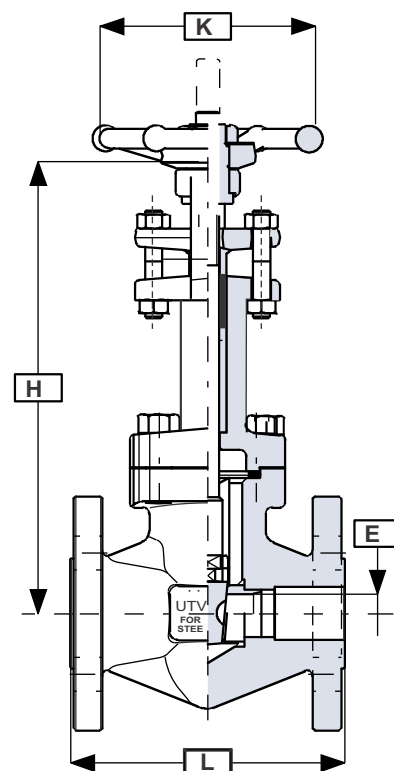
Hydraulic: (minimum)
Body - 450 p.s.i.
Seat - 325 p.s.i.
Air under water:
Seat - 85 p.s.i.

Standards

Construction	API 602, BS 5352
Flanged	ASME B16.5, ASME B16.10
Test	API 598-BS 6755 (Pt.1)

Connections

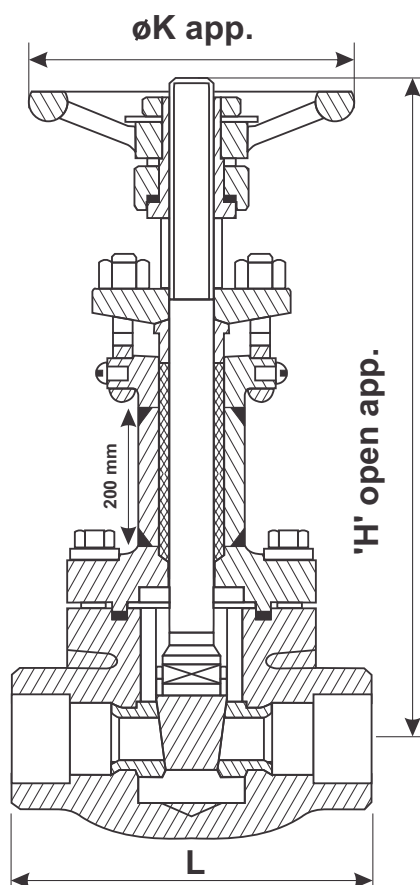
RF	Raised face (std.)
FF	Flat finish



CONVENTIONAL BORE								
			1/2"	3/4"	1"		1.1/2"	2"
L (mm/in)			107,9 4,25	117,5 4,63	127,0 5,00		165,1 6,50	177,8 7,00
H (mm/in)			279 11,05	286 11,32	308 12,19		355 14,04	373 14,75
K (mm/in)			90 3,54	90 3,54	100 3,94		140 5,51	140 5,51
E (mm/in)			10 0,39	14 0,55	18 0,71		31 1,22	36,5 1,44

FULL BORE								
			1/2"	3/4"	1"		1.1/2"	2"
L (mm/in)			107,9 4,25	117,5 4,63	127,0 5,00		165,1 6,50	177,8 7,00
H (mm/in)			283 11,20	291 11,52	316 12,50		373 14,75	414 16,36
K (mm/in)			90 3,54	90 3,54	100 3,94		140 5,51	200 7,87
E (mm/in)			14 0,55	18 0,71	24 0,94		36,5 1,44	48 1,89

**GATE VALVE EXTENDED BONNET CLASS 800
SCREW / SOCKET WELD / BUTT WELD API 602**



EX. B. FIG:U-FGT 1080 CLASS 800

MATERIAL SPECIFICATIONS

NO.	Part Name	Material		
1.	Body	A 105	F 304	F 316
2.	Bonnet	A 105	F 304	F 316
3.	Wedge	13%Cr	T304	T316
4.	Seat	13%Cr	T304	T316
5.	Spindle	T410	T304	T316
6.	Gland Bush	T410	T304	T316
7.	Gland Flange	A 105	F 304	
8.	Yoke Nut	ASTM A 439 Gr.D2/ AL- BRONZE		
9.	Hand Wheel	CAST STEEL		
10.	Hand Wheel Nut	Gr. 2H		
11.	Collar Bolt/ Stud & Nut	B7/ 2H	B8/ 8 OR B7/ 2H	
12.	Eye Bolt & Nut	B7/ 2H	B8 / 8	
13.	Gasket	SPW S.S 304/316 WITH CAF/GRAFOIL		
14.	Gland Packing	GRAPHITE ASBESTOS INHIB. & INCONEL WIRE REIN.		
15.	Screw / Rivet & Washer	STEEL		
16.	Bearing Washer	HARDENED STEEL	T304	T316
17.	Name Plate	ALUMINUM /SS		

DIMENSION TABLE - 800 CLASS - REDUCED BORE

Valve Size in mm	0.25 08	0.37 10	0.5 15	0.75 20	1 25	1.5 40	2 50
L	3.3 85	3.3 85	3.3 85	3.5 90	4 103	5 128	5.6 142
'H' app	165	165	165	175	215	270	285
ØK app	95	95	95	95	105	150	150
ØP	6.4	6.4	9.5	12.7	17.5	28.6	36.5
Wt. kg app	2.0	2.0	2.0	2.5	3.5	7.5	9.0

REF STANDARDS

MFG. AND DESIGN :BS 5352/API 602
FACE TO FACE : MG STD. / ASME B16.34
INSPECTION AND TESTING:AP1 598/BS 6755

**TESTING DETAIL
800**

Hydrotest {KG/CM ² }	
Shell	141 K.g.
Seat and Back Seat	210 K.g.
Seat Air Test :	7 K.g.

EXTENSION STEM FORGED GATE VALVES