

GATE VALVE CLASS 800/600 FORGED STEEL SCREW / SOCKET WELD / BUTT WELD

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)

800 p.s.i. @ 850°F
1975 p.s.i. @ 100°F

Test pressure (ASTM A105)

Hydraulic:(minimum)

Body - 3000 p.s.i.
Seat - 2175 p.s.i.

Air under water:

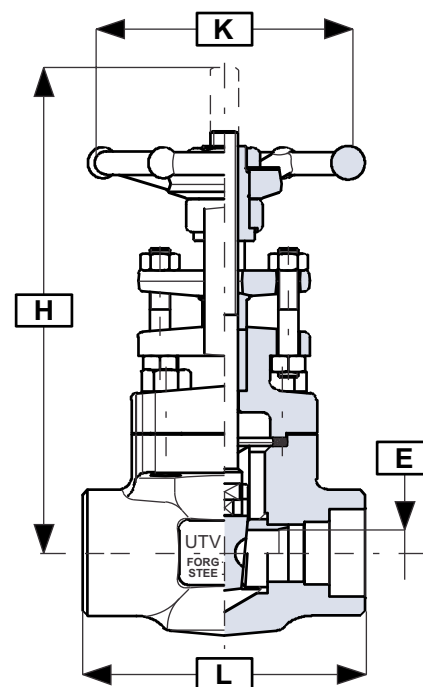
Seat - 85 p.s.i.

Standards

Construction	API 602, BS 5352
Socket weld	ASME B16.11
Threaded	ASME B1.20.1
Butt weld	ASME B16.25
Test	API 598-BS 6755 (Pt.1)

Connections

SW	Socket weld	B8	Butt weld 80
TH	Threaded NPT		
TS	Sw/NPT		
SE	Sw(e)/NPT		
SU	Sw(u)/NPT		
B4	Butt weld 40		



CONVENTIONAL BORE									
			1/2"	3/4"	1"	1.1/4"	1.1/2"	2"	
L (mm/in)			80 3,15	90 3,54	110 4,33	127 5,00	127 5,00	130 5,12	
H (mm/in)			145 5,70	156 6,14	186 7,32	216 8,50	255 10,04	273 10,75	
K (mm/in)			90 3,54	90 3,54	100 3,94	120 4,72	140 5,51	140 5,51	
E (mm/in)			10 0,39	14 0,55	18 0,71	24 0,95	31 1,22	36,5 1,44	
Wt. (kg/lb)			1,7 3,74	2,1 4,62	3,3 7,3	5,2 11,4	7,0 15,4	9,1 20,0	
Catal. no.									

FULL BORE									
	1/4"	3/8"	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"	
L (mm/in)	80 3,15	80 3,15	90 3,54	110 4,33	127 5,00	127 5,00	130 5,12	150 5,91	
H (mm/in)	143 5,63	145 5,71	156 6,14	186 7,32	216 8,50	255 10,04	273 10,75	334 13,15	
K (mm/in)	90 3,54	90 3,54	90 3,54	100 3,94	120 4,72	140 5,51	140 5,51	200 7,87	
E (mm/in)	8,5 0,33	10 0,39	14 0,55	18 0,71	24 0,94	31 1,22	36,5 1,44	48 1,89	
Wt. (kg/lb)	1,8 4,0	1,8 4,0	2,2 4,8	3,4 7,5	5,3 11,7	7,1 15,6	9,2 20,2	14,2 31,2	
Catal. no.									