



Forged Steel Gate Globe and Check Valves



ASME Class150#300#600#800#2500#4500 API 602 - BS 532 - BS 6364 - ASME B16.34 (15mm. to 50mm.)



NSIC





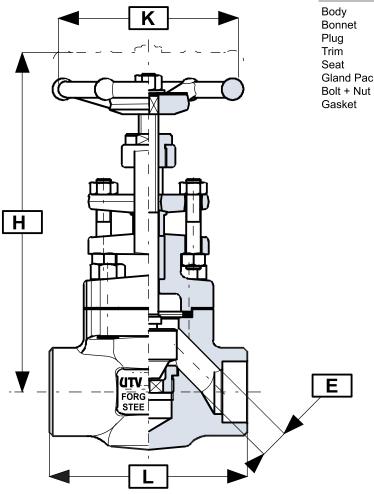


Max Certifications ISO 9001:2015





GLOBE VALVES-800-Bolted Bonnet-Socket Weld/ NPT-BW



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
Plug : ASTM A105 N, CF8, CF8M, 316/316L NACE, F11, F22, LF2

Trim : ASTM A82 Gr. F6, 11, 12, 8, 5

Seat : HF Stellited

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
 BS 5352

 Socket weld
 ASME B16.11

 Threaded
 ASME B1.20.1

 Butt weld
 ASME B16.25

 Test
 BS 6755 (Pt.1)

Connections

SW Socket weld
TS SW/NPT
TH Threaded NPT
SE SW (in)/NPT
SU SW (out)/NPT
B4 Butt weld 40

	REDUCED BORE													
			1	/2"	3/4"			1"	1.	1/4"	1.1/2"			2"
L (mm/in) H (mm/in) K (mm/in) E (mm/in)			80 152 90 9	3,15 5,98 3,54 0,35	90 159 90 12,5	3,54 6,26 3,54 0,49	110 182 100 17,5	4,33 7,17 3,94 0,69	127 214 120 22,5	5,00 8,43 4,72 0,89	155 283 140 28 ⁽⁴⁾	6,10 11,14 5,51 1,10	170 306 140 32 ⁽⁵⁾	6,69 12,05 5,51 1,26
Wt. (kg/lb) Catal. no.			1,7	3,7	2	4,4	3,2	7,0	5,3	11,7	7,8	17,2	10,6	23,3

				FULL BORE				
	1/4"	3/8"	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
L (mm/in) H (mm/in) K (mm/in) E (mm/in)	80 3,15 150 5,91 90 3,54 6 0,24	80 3,15 152 5,98 90 3,54 9 0,35	90 3,54 159 6,26 90 3,54 12,5 0,49	110 4,33 182 7,17 100 3,94 17,5 0,69	127 5,00 214 8,43 120 4,72 22,5 0,89	155 6,10 283 11,14 140 5,51 28 ⁽⁴⁾ 1,10	170 6,69 306 12,05 140 5,51 32 ⁽⁵⁾ 1,26	210 8,27 327 12,87 200 7,87 40 ⁽⁶⁾ 1,57
Wt. (kg/lb)	1,8 4,0	1,8 4,0	2,1 4,6	3,3 7,3	5,4 11,9	7,9 17,4	10,7 23,5	16 35,2
Catal. no.								

Butt weld 80





GATE VALVES-800-Bolted Bonnet-Socket Weld/ NPT-BW

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 Stellited

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:

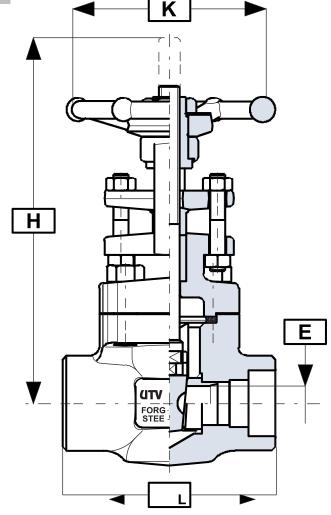
Seat - 85 p.s.i.

Standards

ConstructionAPI 602, BS 5352Socket weldASME B16.11ThreadedASME B1.20.1Butt weldASME B16.25

Test API 598-BS 6755 (Pt.1)

SW Socket weld TH Threaded NPT TS Sw/NPT SE Sw(e)/NPT SU Sw(u)/NPT B4 Butt weld 40	B8	Butt weld 80
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	CONVENTIONAL BORE													
			1	/2"	3	3/4"		1"	1.	1/4"	1	.1/2"		2"
L (mm/in) H (mm/in) K (mm/in) E (mm/in)			80 145 90 10	3,15 5,70 3,54 0,39	90 156 90 14	3,54 6,14 3,54 0,55	110 186 100 18	4,33 7,32 3,94 0,71	127 216 120 24	5,00 8,50 4,72 0,95	127 255 140 31	5,00 10,04 5,51 1,22	130 273 140 36,5	
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) H (mm/in) K (mm/in) E (mm/in)	80 3,15 143 5,63 90 3,54 8,5 0,33	80 3,15 145 5,71 90 3,54 10 0,39	90 3,54 156 6,14 90 3,54 14 0,55	110 4,33 186 7,32 100 3,94 18 0,71	127 5,00 216 8,50 120 4,72 24 0,94	127 5,00 255 10,04 140 5,51 31 1,22	130 5,12 273 10,75 140 5,51 36,5 1,44	150 5,91 334 13,15 200 7,87 48 1,89
Wt. (kg/lb) Catal. no.	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





CHECK VALVES-800-Bolted Cover-Socket Weld/ NPT-BW

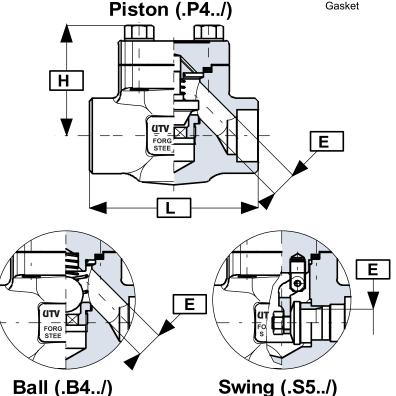
Material of Construction

Body : ASTM A105 N, CF8, CF8M, 316/316L NACE, F11, F22, LF2
Cover : ASTM A105 N, CF8, CF8M, 316/316L NACE, F11, F22, LF2
Plug : ASTM A105 N, CF8, CF8M, 316/316L NACE, F11, F22, LF2

Seat : HF Stellited SS/304/316/Cr. 13%

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:
not applicable

Standards

 Construction
 BS 5352

 Socket weld
 ASME B16.11

 Threaded
 ASME B1.20.1

 Butt weld
 ASME B16.25

 Test
 BS 6755 (Pt.1)

Connections

sw	Socket weld
TH	Threaded NPT
TS	Sw/NPT
SE	Sw (in)/NPT
SU	Sw (out)/NPT
B4	Butt weld 40

Butt weld 80

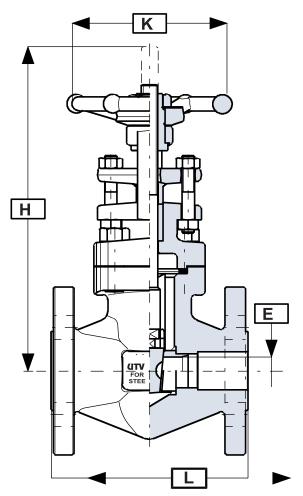
		REDUCED B	ORE			
	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
L (mm/in) H (mm/in)	80 3,15 50 1,97	90 3,54 56 2,20	110 4,33 74 2,91	127 5,00 79 3,11	155 6,10 100 3,94	170 6,69 109 4,29
E ⁽⁷ (mm /in)	9 0,35	12,5 0,49	17,5 0,69	22,5 0,89	28 ⁽⁴⁾ 1,10	32 ⁽⁵⁾ 1,26
Wt.(kg/lb)	1,1 2,4	1,8 4,0	2,6 5,7	3,6 7,9	5,5 12,1	8,4 18,5
Catal. no.						

	FULL BORE															
	1/4	!"	3	/8"	1	/2"	3	/4"		1"	1.	1/4"	1.1	1/2"	:	2"
L (mm/in) H (mm/in) E (7(mm/in)		3,15 1,97),26	80 50 9	3,15 1,97 0,35	90 56 12,5	3,54 2,20 0,49	110 74 17,5	4,33 2,91 0,69	127 79 22,5	5,00 3,11 0,89	1	6,10 3,94 1,10	170 109 32 ⁽⁵⁾	•	210 135 38 ⁽⁶⁾	
Wt.(kg/lb)	1,1	2,4	1,1	2,4	1,8	4,0	2,6	5,7	3,6	7,9	5,5	12,1	8,4	18,5	11,8	26,0
Catal. no.																





GATE VALVES-150-Bolted Bonnet-Flanged End



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 Stellited

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/:	1/2"		4"	1	**		1.1/2"		2	."
L (mm/in) H (mm/in) K (mm/in) E (mm/in)			107,9 179 90 10	4,25 7,05 3,54 0,39	117,5 186 90 14	4,63 7,32 3,54 0,55	127,0 208 100 18	5,00 8,19 3,94 0,71		165,1 255 140 31	6,50 10,04 5,51 1,22	177,8 273 140 36,5	7,00 10,75 5,51 1,44
Wt. (kg/lb)			3,2	7,0	4,1	9,0	5,8	12,8		10	22,0	13,1	28,8
Catal. no.													

				FULI	BORE						
		1/:	2"	3/	3/4"		**	1.1/2"		2	2"
L (mm/in) H (mm/in) K (mm/in) E (mm/in)		107,9 183 90 14	4,25 7,20 3,54 0,55	117,5 191 90 18	4,63 7,52 3,54 0,71	127,0 216 100 24	5,00 8,50 3,94 0,94	165,1 273 140 36,5	6,50 10,75 5,51 1,44	177,8 314 200 48	7,00 12,36 7,87 1,89
Wt. (kg/lb)		3,1	6,8	4	8,8	5,7	12,5	12,6	27,7	15,8	34,8
Catal. no.											





GATE VALVES-300-Bolted Bonnet-Flanged End

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 Stellited

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)

300 p.s.i. @ 850°F 740 p.s.i. @ 100°F

Test pressure (ASTM A105)

Hydraulic:(minimum)
Body - 1125 p.s.i.
Seat - 825 p.s.i.
Air under water:
Seat - 85 p.s.i.

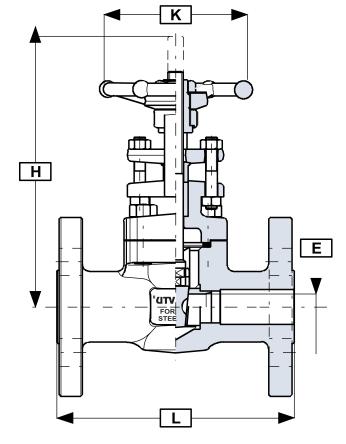
Standards

Construction API 602, BS 5352

 Flanged
 ASME B16.5, ASME B16.10

 Test
 API 598-BS 6755 (Pt.1)

RF RJ	Raised face (std.) Ring joint	LF LG	Large female Large groove
SF	Small female	LM	Large male
SG	Small groove	LT	Large tongue
SM	Small male		
ST	Small tongue		



		CC	DNVENT	IONAL	BORE						
	1/2'	••	3/	4"	1	••	1.1/2"		2	2"	
L (mm/in) H (mm/in) K (mm/in) E (mm/in)	145 5 90 3	5,50 5,71 3,54 0,39	152,4 156 90 14	6,00 6,14 3,54 0,55	165,1 186 100 18	6,50 7,32 3,94 0,71	190,5 255 140 31	10,04	215,9 273 140 36,5	8,50 10,75 5,51 1,44	
Wt. (kg/lb)	3,8	8,4	5,4	11,9	6,5	14,3	13,1	28,8	17,3	38,1	
Catal. no.											

				FUL	L BORE						
		1/	2"	3/	4"		1"	1	.1/2"		2"
L (mm/in) H (mm/in) K (mm/in) E (mm/in)		139,7 193 90 14	5,50 7,60 3,54 0,55	152,4 190 100 18	6,00 7,48 3,94 0,71	165,1 216 120 24	6,5 8,50 4,72 0,94	190,5 273 140 36,5	7,50 10,75 5,51 1,44	215,9 314 200 48	8,50 12,36 7,87 1,89
Wt. (kg/lb)		4,5	9,9	6,0	13,2	7,6	16,7	14,0	32,6	18,8	41,4
Outui. 110.											



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GATE VALVES-600-Bolted Bonnet-Flanged End RF/RJ

K

UTV

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,
Wedge : ASTM A105 N, CF8, CF8M, 316/316L NACE, F11, F22, LF2

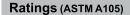
Trim : ASTM A82 Gr. F6, 11, 12, 8, 5

Seat : HF Stellited

Gland Packing: Graphite Asbestos, INHIB, inconel wire rein

Bolt + Nut : B7/2H - B8/8 or B7/2H

Gasket : SPW SS304/316 with CAF/Grafoil



600 p.s.i. @ 850°F 1480 p.s.i. @ 100°F

Test pressure (ASTM A105)

Hydraulic: (minimum)
Body - 2225 p.s.i.
Seat - 1650 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.)RJ Ring joint

SF Small female SG Small grove

SM Small male ST Small tongue LF Large female
LG Large groove
LM Large male
LT Large tongue

	CONVENTIONAL BORE										
	1/2"	3/4"	1"	1.1/2"	2"						
L (mm/in) H (mm/in) K (mm/in) E (mm/in)	165,1 6,50 145 5,71 90 3,54 10 0,39	190,5 7,50 156 6,14 90 3,54 14 0,55	215,9 8,50 186 7,32 100 3,94 18 0,71	241,3 9,50 255 10,04 140 5,51 31 1,22	292,1 11,50 273 10,75 140 5,51 36,5 1,44						
Wt. (kg/lb)	3,5 7,7	5,8 12,8	7,4 16,3	14,3 31,5	18,8 41,4						
Catal. no.											

				FULL	BORE						
		1/2	2"	3/4	4"	1	"	1	.1/2"	:	2''
L (mm/in) H (mm/in) K (mm/in) E (mm/in)	1	165,1 176 90 14	6,50 6,93 3,54 0,55	206 100	7,50 8,11 3,94 0,71	215,9 216 120 24	8,50 8,50 4,72 0,94	241,3 255 140 34	9,50 10,04 5,51 1,34	292,1 334 200 48	11,50 13,15 7,87 1,89
Wt. (kg/lb) Catal. no.		3,9	8,6	7,0	15,4	10,3	22,7	16,5	36,3	25,0	55,0





GATE VALVES-1500/2500-Bolted Bonnet-Flanged End RF/RJ

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 Stellited

Gland Packing: Graphite Asbestos, INHIB, inconel wire rein

Bolt + Nut : B7/2H - B8/8 or B7/2H

Ratings (ASTM A105)

1500 p.s.i. @ 850°F 3705 p.s.i. @ 100°F

Test pressure (ASTM A105) 1500#-2500#

Hydraulic: (minimum)
Body - 5575 p.s.i.
Seat - 4100 p.s.i.
Air under water:
Seat - 85 p.s.i.

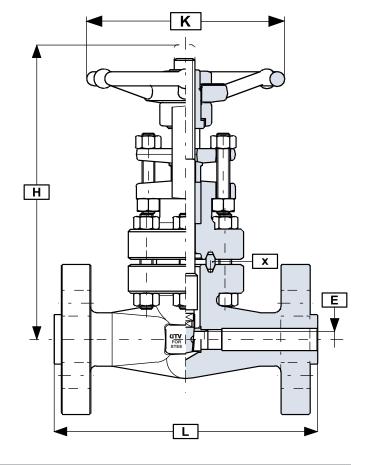
Hydraulic: (minimum)
Body - 9275 p.s.i.
Seat - 6800 p.s.i.
Air under water:
Seat - 85 p.s.i.

Standards

Construction BS 5352

Flanged ASME B16.5, ASME B16.10 Test API 598-ASME B16.34

RF RJ SF SG	Raised face (std.) Ring joint Small female Small groove	LF LG LM	Large female Large groove Large male Large tongue
SM ST	Small male Small tongue		Large tongue



	STANDARD BORE 1500#											
			1/2"	3/4"	1"		1.1/2"	2"				
F (mm/in) (mm/in) (mm/in)			215,9 8,50 212 8,35 120 4,72 11,5 0,45	228,6 9,00 256 10,08 175 6,89 15 0,59	254,0 10,00 272 10,71 175 6,89 19,5 0,77		304,8 12,00 411 16,18 260 10,24 32 1,26	368,3 14,50 422 16,61 260 10,24 40 1,57				
Wt.(kg/lb)			9,7 21,3	15,5 34,1	17,5 38,5		38,5 84,7	56,0 123,2				
Catal.no.												

	STANDARD BORE 2500#											
	1/2"	3/4"	1"		1.1/2"	2"						
L (mm/in) H (mm/in) K (mm/in) E (mm/in)	263,5 10,37 212 8,35 140 5,51 10 0,39	273,0 10,75 256 10,08 200 7,87 14 0,55	308,0 12,13 272 10,71 200 7,87 18 0,71		384,2 15,13 411 16,18 260 10,24 31 12,21	450,8 17,75 422 16,61 350 13,77 36,5 1,44						
Wt.(kg/lb)	9,9 21,8	15,8 34,8	17,9 39,4		39,1 86,3	56,8 125,0						
Catal.no.												





GATE VALVES-1500#-Welded Bonnet-Socket Weld, Butt Welded

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 Stellited

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)

1500 p.s.i. @ 850°F 3705 p.s.i. @ 100°F

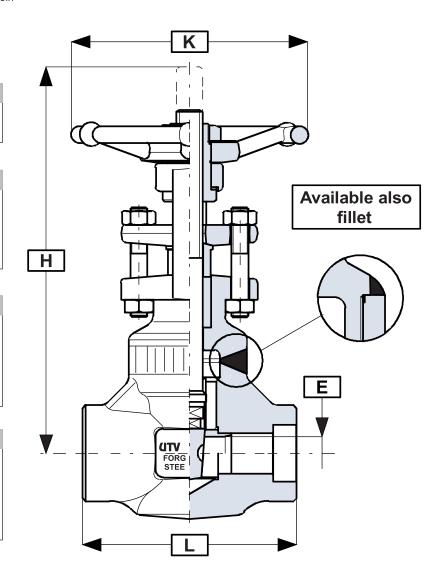
Test pressure (ASTM A105)

Hydraulic: (minimum)
Body - 5575 p.s.i.
Seat - 4100 p.s.i.
Air under water:
Seat - 85 p.s.i.

Standards

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

SW	Socket weld	B8	Butt weld 80
TH	threaded NPT		
TS	Sw/NPT		
SE	Sw(e)/NPT		
SU	Sw(u)/NPT		
B6	Butt weld 160		



	STANDARD BORE											
	1/2"	3/4"	1"		1.1/2"	2"						
L (mm/in) H (mm/in) K (mm/in) E (mm/in)	90 3,54 175 6,88 120 4,72 11,5 0,45	110 4,33 217 8,54 175 6,89 15 0,59	127 5,00 234 9,54 175 6,89 19,5 0,77		130 5,12 295 11,61 200 7,87 32 1,26	150 5,90 375 14,76 260 10,24 40 1,57						
Wt.(kg/lb)	2,0 4,4	3,2 7,0	4,9 10,8		8,5 18,7	15 33						
Catal.no.												





GATE VALVES-1500/2500-Bolted Bonnet-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, Wedge : ASTM A105 N, CF8, CF8M, 316/316L NACE, F11, F22, LF2

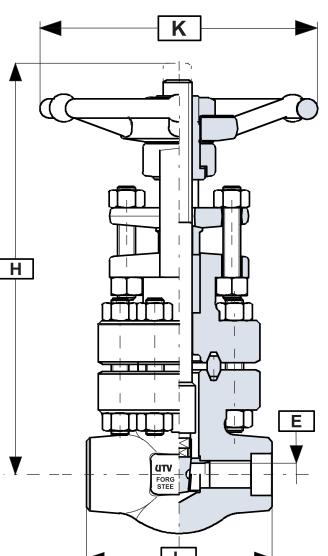
Trim : ASTM A82 Gr. F6, 11, 12, 8, 5

Seat : HF Stellited

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)

2500 p.s.i. @ 850°F 6170 p.s.i. @ 100°F

Test pressure (ASTM A105)

Hydraulic: (minimum)
Body - 9275 p.s.i.
Seat - 6800 p.s.i.
Air under water:
Seat - 85 p.s.i.

Standards

Construction founded on ASME B16.34

Socket weld ASME B16.11 Threaded ASME B1.20.1 Butt weld ASME B16.25

Test API 598-ASME B16.34

Connections

SW Socket weld
TH Threaded NPT
TS Sw/NPT
SE Sw(e)/NPT
SU Sw8u)/NPT
B6 Butt weld 160

	STANDARD BORE											
		1/2"	3/4"	1"		1.1/2"	2"					
L (mm/in) H (mm/in) K (mm/in) E (mm/in)		110 4,33 212 8,35 140 5,51 10 0,48	115 4,53 256 10,08 200 7,87 14 0,55	130 5,12 272 10,71 200 7,87 18 0,71		210 8,27 411 16,18 260 10,24 31 1,22	240 9,45 422 16,61 350 13,77 36,5 1,44					
Wt.(kg/lb)		6,1 13,4	8,7 19,1	10,2 22,4		27,4 60,3	36,2 79,6					
Catal.no.												





GATE VALVES-800-Extended Bolted Bonnet-Socket Weld/ NPT-BW

MATERIAL SPECIFICATIONS

NO.	Part Name		Material							
NO.	rait Name		Waterial							
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 3	04						
8.	Yoke Nut	ASTM A	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	3 OR B7/ 2H						
12.	Eye Bolt & Nut	B7/ 2H		B8 / 8						
13.	Gasket	SPW S.S 3	304/316 WITH CAF	/GRAFOIL						
14.	Gland Packing	GRAPHITE ASBE	STOS INHIB. & INC	ONEL 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

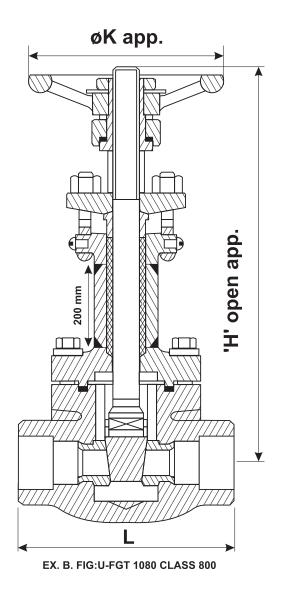
Valve Size in mm	0.25 08	0.37 10	0.5 15	0.75 20	1 25	1.5 40	2 50
L	3.3 85	3.3 85	3.3 85	3.5 90	4 103	5 128	5.6 142
'H' app	165	165	165	175	215	270	285
ØK app	95	95	95	95	105	150	150
ØP	6.4	6.4	9.5	12.7	17.5	28.6	36.5
Wt. kg app	2.0	2.0	2.0	2.5	3.5	7.5	9.0

REF STANDARDS

MFG. AND DESIGN :BS 5352/API 602

FACE TO FACE : MG STD. / ASME B16.34

INSPECTION AND TESTING:AP1 598/BS 6755



Ratings (ASTM A105)

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

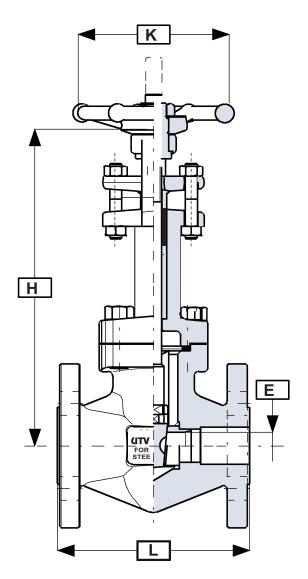
Test pressure (ASTM A105)

Hydraulic: (minimum)
Body - 3000 p.s.i.
Seat - 2175 p.s.i.
Air under water:
not applicable





GLOBE VALVES-150-Extended Bolted Bonnet-Flanged End / BW



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 Stellited

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

	FULL BORE											
		1/2"	3/4"	1"	1.1/2"	2"						
L (mm/in) H (mm/in) K (mm/in) E (mm/in)		07,9 4,25 283 11,20 90 3,54 14 0,55	117,5 4,63 291 11,52 90 3,54 18 0,71	127,0 5,00 316 12,50 100 3,94 24 0,94	165,1 6,50 373 14,75 140 5,51 36,5 1,44	177,8 7,00 414 16,36 200 7,87 48 1,89						





GLOBE VALVES-150 - Bolted Bonnet - Flanged End/BW

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 Stellited

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

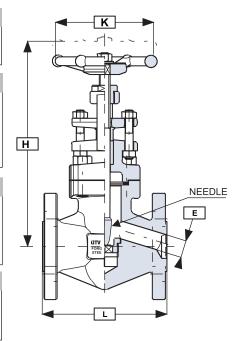
Construction BS 5352

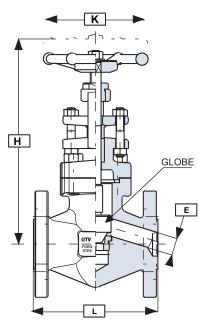
Flanged ASME B16.5, ASME B16.10

Test BS 6755 (Pt.1)

Connections

RF Raised face (std.)
FF Flat finish





	REDUCED BORE												
	1/4"	1/2"	3/4"	1"		1.1/2"	2"						
L (mm/in) H (mm/in) K (mm/in) E (mm/in)	107,9 4,25 186 7,32 90 3,54 9 0,35	107,9 4,25 186 7,32 90 3,54 9 0,35	117,5 4,63 189 7,44 90 3,54 12,5 0,49	127,0 5,00 203 7,99 100 3,94 17,5 0,69		165,1 6,50 283 11,14 140 5,51 28 ⁽⁴⁾ 1,10	203,2 8,00 314 12,36 140 5,51 32 ⁽⁵⁾ 1,26						
Wt.(kg/lb)	3,1 6,8	3,1 6,8	4 8,8	5,7 12,5		10,6 23,3	15,4 33,9						
Catal.no.													

	FULL BORE												
		1/4"	4" 1/2" 3/4"		1"		1.1/2"	2"					
L (mm/in) H (mm/in) K (mm/in) E (mm/in)		107,9 4,25 188 7,40 90 3,54 12,5 0,49	107,9 4,25 188 7,40 90 3,54 12,5 0,49	117,5 4,63 192 7,56 100 3,94 17,5 0,69	127,0 5,00 207 8,15 120 4,72 22,5 0,89		165, 1 6,50 283 11,14 140 5,51 32 1,26	203,2 8,00 314 12,36 200 7,87 38 1,57					
Wt.(kg/lb)		3 6,6	3 6,6	3,9 8,6	5,6 12,3		10,6 23,3	15,8 34,8					
Catal.no.													





GLOBE VALVES-300- Bolted Bonnet-Flanged End / BW

Material of Construction

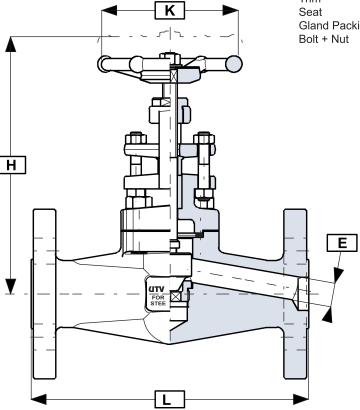
Body : ASTM A105 N, CF8, CF8M, 316/316L NACE, F11, F22, LF2
Bonnet : ASTM A105 N, CF8, CF8M, 316/316L NACE, F11, F22, LF2
Plug : ASTM A105 N, CF8, CF8M, 316/316L NACE, F11, F22, LF2

Trim : ASTM A82 Gr. F6, 11, 12, 8, 5

Seat : HF Stellited

Gland Packing: Graphite Asbestos, INHIB, inconel wire rein

Bolt + Nut : B7/2H - B8/8 or B7/2H



Ratings (ASTM A105)

300 p.s.i. @ 850°F 740 p.s.i. @ 100°F

Test pressure (ASTM A105)

Hydraulic(minimum) Body - 1125 p.s.i. Seat - 825 p.s.i. Air under water: Seat - 85 p.s.i.

Standards

Construction BS 5352

Flanged ASME B16.5, ASME B16.10

Test BS 6755 (Pt.1)

RF RJ SF SG SM ST	Raised face (std.) Ring joint Small female Small groove Small male Small tongue	LF LG LM LT	Large female Large groove Large male Large tongue
----------------------------------	--	----------------------	--

	REDUCED BORE												
			1/2"		3/4"		1"			1.1/2"		2	
L (mm/in) H (mm/in) K (mm/in) E (mm/in)			152,4 152 90 9	5,98 5,98 3,54 0,35	177,8 159 90 12,5	7,00 6,26 3,54 0,49	203,2 182 100 17,5	8,00 7,17 3,94 0,69		228,6 283 140 28 ⁽⁴⁾	11,14 5,51	266,7 306 140 32 ⁽⁵⁾	10,50 12,05 5,51 1,26
Wt. (kg/lb)			3,4	7,5	4,8	10,6	7,0	15,4		14,2	31,2	17,4	38,3
Catal. no.													

	FULL BORE												
			1/2"		3/4"		1"			1.1/2"		2	
L (mm/in) H (mm/in) K (mm/in) E (mm/in)			152,4 152 90 13	5,98 5,98 3,54 0,51		7,00 6,26 3,94 0,69	203,2 182 120 22,5	8,00 7,17 4,72 0,89		228,6 283 140 34	9,00 11,14 5,51 1,34	200	10,50 12,05 7,87 1,77
Wt. (kg/lb)			3,4	7,5	4,8	10,6	7,0	15,4		14,2	31,2	17,4	38,3
Catal.													





GLOBE VALVES-1500/2500-Welded Bonnet T-type - Socket Weld/ NPT-BW

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 Stellited

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)

1500 p.s.i. @ 850°F 3705 p.s.i. @ 100°F

Test pressure (ASTM A105)

Hydraulic: (minimum)
Body - 5575 p.s.i.
Seat - 4100 p.s.i.
Air under water:
Seat - 85 p.s.i.

Standards

Construction
Socket weld
Threaded
Butt weld
Test

Socket weld
ASME B16.11
ASME B1.20.1
ASME B16.25
BS 6755 (Pt.1)



SW TH TS SE	Socket weld threaded NPT Sw/NPT Sw(e)/NPT	B8	Butt weld 80
SU B6	Sw(u)/NPT Butt weld 160		





GLOBE VALVES-300- Bolted Bonnet-Flanged End / BW

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
Plug : ASTM A105 N, CF8, CF8M, 316/316L NACE, F11, F22, LF2

Trim : ASTM A82 Gr. F6, 11, 12, 8, 5

Seat : HF Stellited

Gland Packing: Graphite Asbestos, INHIB, inconel wire rein

Bolt + Nut : B7/2H - B8/8 or B7/2H

Ratings (ASTM A105)

300 p.s.i. @ 850°F 740 p.s.i. @ 100°F

Test pressure (ASTM A105)

Hydraulic(minimum) Body - 1125 p.s.i. Seat - 825 p.s.i. Air under water:

Seat - 85 p.s.i.

Standards

Construction BS 5352

Small tongue

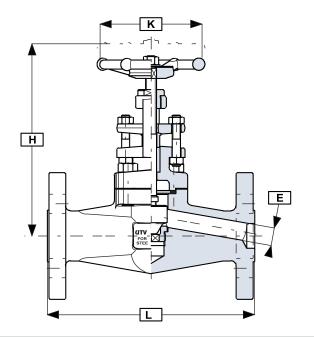
Flanged ASME B16.5, ASME B16.10

Test BS 6755 (Pt.1)

Connections

ST

Raised face (std.) RF LF Large female RJRing joint LG Large groove Small female SF LM Large male Small groove SG Large tongue SM Small male



	REDUCED BORE												
			1/2"		3/4"		1"			1.1/2"		2	**
L (mm/in) H (mm/in) K (mm/in) E (mm/in)			152,4 152 90 9	5,98 5,98 3,54 0,35	177,8 159 90 12,5	7,00 6,26 3,54 0,49	203,2 182 100 17,5	8,00 7,17 3,94 0,69		228,6 283 140 28 ⁽⁴⁾	9,00 11,14 5,51 1,10	266,7 306 140 32 ⁽⁵⁾	10,50 12,05 5,51 1,26
Wt. (kg/lb)			3,4	7,5	4,8	10,6	7,0	15,4		14,2	31,2	17,4	38,3
Catal. no.													

	FULL BORE												
			1/2"		3/4"		1"			1.1/2"		2	? "
L (mm/in) H (mm/in) K (mm/in) E (mm/in)			152,4 152 90 13	5,98 5,98 3,54 0,51	177,8 159 100 17,5	7,00 6,26 3,94 0,69	203,2 182 120 22,5	8,00 7,17 4,72 0,89		228,6 283 140 34	9,00 11,14 5,51 1,34	200	· ' I
Wt. (kg/lb)			3,4	7,5	4,8	10,6	7,0	15,4		14,2	31,2	17,4	38,3
Catal. no.													





GLOBE VALVES-600-Bolted Bonnet Flanged End / BW

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 Stellited

Gland Packing: Graphite Asbestos, INHIB, inconel wire rein

Bolt + Nut : B7/2H - B8/8 or B7/2H

Ratings (ASTM A105)

600 p.s.i. @ 850°F 1480 p.s.i. @ 100°F

Test pressure (ASTM A105)

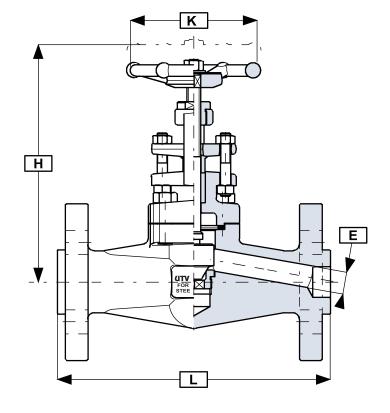
Hydraulic: (minimum) Body - 2225 p.s.i. Seat - 1650 p.s.i. Air under water: Seat - 85 p.s.i.

Standards

Construction BS 5352

Flanged ASME B16.5, ASME B16.10 Test BS 6755 (Pt.1)

RF RJ SF SG SM ST	Raised face (std.) Ring joint Small female Small groove Small male Small tongue	LF LG LM LT	Large female Large groove Large male Large tongue
	Small male		



	REDUCED BORE											
		1/2"	3/4"	1"		1.1/2"	2"					
L (mm/in) H (mm/in) K (mm/in) E (mm/in)		165,1 6,50 152 5,98 90 3,54 9 0,35	190,5 7,50 159 6,26 90 3,54 12,5 0,49	215,9 8,50 182 7,17 100 3,94 17,5 0,69		241,3 9,50 283 11,14 140 5,51 28 ⁽⁴⁾ 1,10	292,1 11,50 306 12,05 140 5,51 32 (5) 1,26					
Wt.(kg/lb)		3,6 7,9	5,1 11,2	7,8 17,2		14,2 31,2	19,4 42,7					
Catal.no.												

	FULL BORE												
			1/2"		3/4"		1"			1.1	/2"	2"	
Ff (mm/in) Ha (mm/in) VI (mm/in) Pf (mm/in)			165,1 159 90 12	6,50 6,26 3,54 0,47	100	7,50 7,17 3,94 0,69	120	8,50 8,43 4,72 0,89			9,50 12,05 5,51 1,34	292,1 327 200 45	12,87 7,87
Wt.(kg/lb)			3,8	8,4	6,8	15,0	10,3	22,7		17,8	39,2	26,8	59,0
Catal.no.													



H



GLOBE VALVES-1500/2500-Bolted Bonnet Flanged End / BW

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 Stellited

Gland Packing: Graphite Asbestos, INHIB, inconel wire rein

Bolt + Nut : B7/2H - B8/8 or B7/2H

Ratings (ASTM A105)

600 p.s.i. @ 850°F 1480 p.s.i. @ 100°F

Test pressure (ASTM A105)

Hydraulic: (minimum)
Body - 2225 p.s.i.
Seat - 1650 p.s.i.
Air under water:
Seat - 85 p.s.i.

Standards

Construction BS 5352

Flanged ASME B16.5, ASME B16.10

Test BS 6755 (Pt.1)

RJ Rin	sed face (std.) g joint all female all groove all male all tongue	LF	Large female
SF Sm		LG	Large groove
SG Sm		LM	Large male
SM Sm		LT	Large tongue

	REDUCED BORE											
			1/2"		3/4"		1"			1.1/2"	•	2"
L (mm/in) H (mm/in) K (mm/in) E (mm/in)			165,1 152 90 9	6,50 5,98 3,54 0,35	90	7,50 6,26 3,54 0,49		8,50 7,17 3,94 0,69		241,3 9 283 11 140 5 28 ⁽⁴⁾ 1	,14	292,1 11,50 306 12,05 140 5,51 32 (5) 1,26
Wt.(kg/lb)			3,6	7,9	5,1	11,2	7,8	17,2		14,2 3	1,2	19,4 42,7
Catal.no.												

	FULL BORE												
			1/2	1/2"		3/4"				1.1	/2"	2"	
Ff (mm/in) Ha (mm/in) VI (mm/in) Pf (mm/in)			90	6,50 6,26 3,54 0,47		7,50 7,17 3,94 0,69	120	8,50 8,43 4,72 0,89		140	9,50 12,05 5,51 1,34	292,1 327 200 45	11,50 12,87 7,87 1,77
Wt.(kg/lb)			3,8	8,4	6,8	15,0	10,3	22,7		17,8	39,2	26,8	59,0
Catal.no.													





GLOBE VALVES-1500-Bolted Bonnet T-type - Socket Weld/ NPT-BW

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
Plug : ASTM A105 N, CF8, CF8M, 316/316L NACE, F11, F22, LF2

Trim : ASTM A82 Gr. F6, 11, 12, 8, 5

Seat : HF Stellited

Gland Packing: Graphite Asbestos, INHIB, inconel wire rein

Bolt + Nut : B7/2H - B8/8 or B7/2H

Ratings (ASTM A105) CL.1500/2500

1500 p.s.i. @ 850°F 3705 p.s.i. @ 100°F | 2500 p.s.i. @ 850°F 6170 p.s.i. @ 100°F

Test pressure (ASTM A105) CL.1500/2500

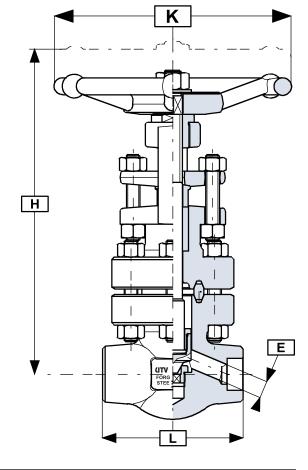
Hydraulic: (minimum)
Body - 5575 p.s.i.
Seat - 4100 p.s.i.
Air under water:
Seat - 85 p.s.i.
Hydraulic: (minimum)
Body -9275 p.s.i.
Seat - 6800 p.s.i.
Air under water:
Seat - 85 p.s.i.

Standards

ConstructionBS 5352Socket weldASME B16.11ThreadedASME B1.20.1Butt weldASME B16.25TestBS 6755 (Pt.1)

Connections

SW Socket weld
TH Threaded NPT
TS Sw/NPT
SE Sw (in)/NPT
SU Sw (out)/NPT
B6 Butt weld 160



	REDUCE BORE 1500										
		1/2"	3/4"	1"		1.1/2"	2"				
L (mm/in) H (mm/in) K (mm/in) E (mm/in)		110 4,33 218 8,58 120 4,72 11 0,43	115 4,53 274 10,79 175 6,89 14,5 0,57	130 5,12 286 11,26 175 6,89 19 0,75		210 8,27 427 16,8 260 10,24 31 1,22	240 9,45 433 17,05 260 10,24 37,5 1,48				
Wt.(kg/lb)		5,6 12,3	8,0 17,6	9,3 20,5		26,2 57,6	34,5 75,9				

	REDUCE BORE 2500											
		1/2"	3/4"	1"		1.1/2"	2"					
L (mm/in) H (mm/in) K (mm/in) E (mm/in)		110 4,33 218 8,58 140 5,51 10 0,39	115 4,52 260 10,24 200 7,87 13 0,51	130 5,12 268 10,55 200 7,87 18 0,71		210 8,27 427 16,81 260 10,24 25 0,98	240 9,45 433 17,05 350 13,77 34 1,33					
Wt.(kg/lb)		5,8 13,0	8,3 18,3	9,7 21,3		26,8 59,0	35,3 77,7					





GLOBE VALVES-1500/2500-Welded Bonnet T-type - Socket Weld/ NPT-BW

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 Stellited

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)

2500 p.s.i. @ 850°F 6170 p.s.i. @ 100°F

Test pressure (ASTM A105)

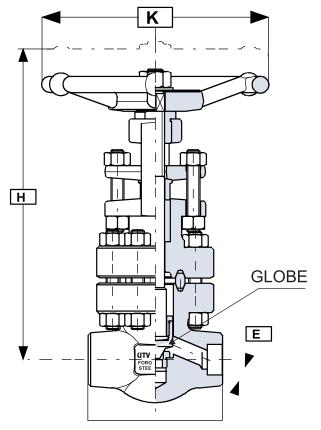
Hydraulic: (minimum)
Body -9275 p.s.i.
Seat - 6800 p.s.i.
Air under water:
Seat - 85 p.s.i.

Standards

Construction founded on ASME B16.34

Socket weld ASME B16.11 Threaded ASME B1.20.1 Butt weld ASME B16.25

Test API 598-ASME B16.34



Connections

SW Socket weld
TH Threaded NPT
TS Sw/NPT
SE Sw(in)/NPT
SU Sw(out)/NPT
B4 Butt weld 160

STANDARD BORE											
	1/2"	3/4"	1"	1.1/2"	2"						
L (mm/in) H (mm/in) K (mm/in) E (mm/in)	110 4,33 218 8,58 140 5,51 10 0,39	115 4,52 260 10,24 200 7,87 13 0,51	130 5,12 268 10,55 200 7,87 18 0,71	210 8,27 427 16,81 260 10,24 25 0,98	240 9,45 433 17,05 350 13,77 34 1,33						
Wt.(kg/lb)	5,8 13,0	8,3 18,3	9,7 21,3	26,8 59,0	35,3 77,7						
Catal. no.											





GLOBE VALVES-2500-Bolted Bonnet T-type - Socket Weld/ NPT-BW

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 Stellited

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)

2500 p.s.i. @ 850°F 6170 p.s.i. @ 100°F

Test pressure (ASTM A105)

Hydraulic: (minimum)
Body -9275 p.s.i.
Seat - 6800 p.s.i.
Air under water:
Seat - 85 p.s.i.

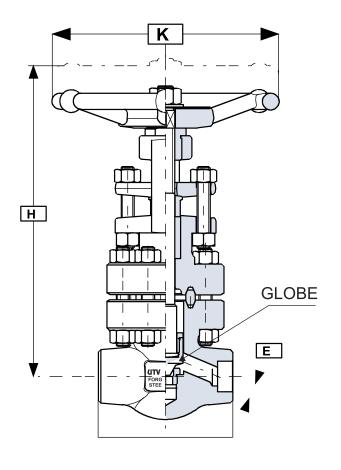
Standards

Construction founded on ASME B16.34

Socket weld ASME B16.11 Threaded ASME B1.20.1 Butt weld ASME B16.25

Test API 598-ASME B16.34

SW Socket weld TH Threaded NPT TS Sw/NPT SE Sw(in)/NPT SU Sw(out)/NPT B4 Butt weld 160	
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	STANDARD BORE											
	1/2"	3/4"	1"		1.1/2"	2"						
L (mm/in) H (mm/in) K (mm/in) E (mm/in)	110 4,33 218 8,58 140 5,51 10 0,39	115 4,52 260 10,24 200 7,87 13 0,51	130 5,12 268 10,55 200 7,87 18 0,71		210 8,27 427 16,81 260 10,24 25 0,98	240 9,45 433 17,05 350 13,77 34 1,33						
Wt.(kg/lb)	5,8 13,0	8,3 18,3	9,7 21,3		26,8 59,0	35,3 77,7						
Catal. no.												





GLOBE VALVES-2500/3000-Bolted Bonnet T-type - Socket Weld/ NPT-BW

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
Plug : ASTM A105 N, CF8, CF8M, 316/316L NACE, F11, F22, LF2

Trim : ASTM A82 Gr. F6, 11, 12, 8, 5

Seat : HF Stellited

Gland Packing: Graphite Asbestos, INHIB, inconel wire rein

Bolt + Nut : B7/2H - B8/8 or B7/2H

Ratings (ASTM A105)

2500 p.s.i. @ 850°F 6170 p.s.i. @ 100°F

Test pressure (ASTM A105)

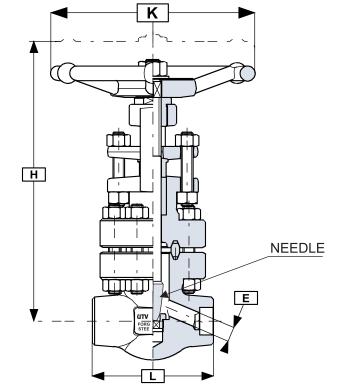
Hydraulic: (minimum)
Body -9275 p.s.i.
Seat - 6800 p.s.i.
Air under water:
Seat - 85 p.s.i.

Standards

Construction founded on ASME B16.34

Socket weldASME B16.11ThreadedASME B1.20.1Butt weldASME B16.25

Test API 598-ASME B16.34



SW	Socket weld
TH	Threaded NPT
TS	Sw/NPT
SE	Sw(in)/NPT
SU	Sw(out)/NPT
B4	Butt weld 160

	STANDARD BORE											
	1/2'	' 3/4"	1"		1.1/2"	2"						
L (mm/in) H (mm/in) K (mm/in) E (mm/in)	110 4, 218 8, 140 5, 10 0,	58 260 10,24 200 7,87	130 5,12 268 10,55 200 7,87 18 0,71	42 26	0 8,27 27 16,81 60 10,24 25 0,98	240 9,45 433 17,05 350 13,77 34 1,33						
Wt.(kg/lb)	5,8 13	8,3 18,3	9,7 21,3	26,	,8 59,0	35,3 77,7						
Catal. no.												





CHECK VALVES-150-Bolted Cover-Flanged End / BW

Material of Construction

Body : ASTM A105 N, CF8, CF8M, 316/316L NACE, F11, F22, LF2 Cover : ASTM A105 N, CF8, CF8M, 316/316L NACE, F11, F22, LF2 Plug : ASTM A105 N, CF8, CF8M, 316/316L NACE, F11, F22, LF2

Seat : HF Stellited SS/304/316/Cr. 13%

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:
not applicable

Standards

Construction BS 5352

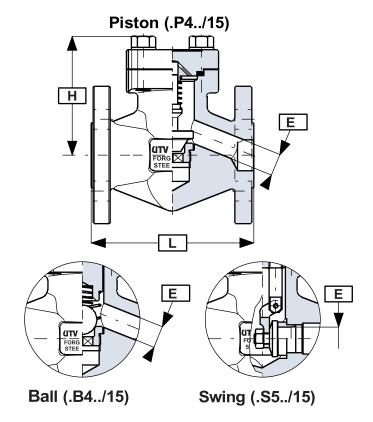
Flanged ASME B16.5, ASME B16.10

Test BS 6755 (Pt.1)

Connections

RF Raised face (std.)

FF Flat finish



REDUCED BORE											
	1/2"	3/4"	1"	1.1/2"	2"						
L (mm/in) H (mm/in)	107,9 4,25 84 3,31	117,5 4,63 87 3,43	127,0 5,00 92 3,62	165,1 6,50 97 3,82	203,2 8,00 124 4,88						
E (6/mm/in)	9 0,35	12,5 0,49	17,5 0,69	28 (4) 1,10	32 (5)1,26						
Wt.(kg/lb)	2,6 5,7	3,8 8,4	5,1 11,2	8,4 18,5	14,2 31,2						
Catal.no.											

	FULL BORE												
			1/:	1/2"		3/4"		"		1.1	/2"	2	**
L (mm/in) H (mm/in)			107,9 84	4,25 3,31		4,63 3,43	127,0 92	5,00 3,62		165,1 110	6,50 4,33	203,2 124	6,50 4,88
E (6/mm/in)			12,5	0,49	17,5	0,69	22,5	0,89		32	1,38	38	1,50
Wt.(kg/lb)			2,6	5,7	3,8	8,4	5,1	11,2		8,4	18,5	14,7	31,2
Catal.no.													





CHECK VALVES-300-Bolted Cover - Socket Weld/ NPT-BW

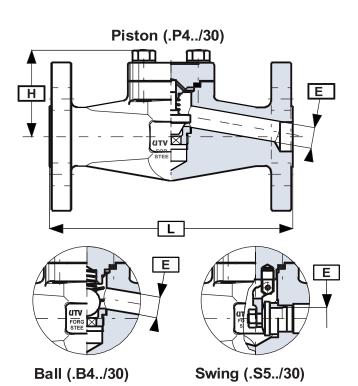
Material of Construction

Body : ASTM A105 N, CF8, CF8M, 316/316L NACE, F11, F22, LF2 Cover : ASTM A105 N, CF8, CF8M, 316/316L NACE, F11, F22, LF2 Plug : ASTM A105 N, CF8, CF8M, 316/316L NACE, F11, F22, LF2

Seat : HF Stellited SS/304/316/Cr. 13%

Bolt + Nut : B7/2H - B8/8 or B7/2H

Gasket : SPW SS304/316 with CAF/Grafoil



Ratings (ASTM A105)

300 p.s.i. @ 850°F 740 p.s.i. @ 100°F

Test pressure (ASTM A105)

Hydraulic: (minimum)
Body - 1125 p.s.i.
Seat - 825 p.s.i.
Air under water:
not applicable

Standards

Construction BS 5352

Flanged ASME B16.5, ASME B16.10

Test BS 6755 (Pt.1)

Connections RF Raised face (std.) LF Large female RJ Ring joint LG Large groove Small female SF LM Large male SG Small groove Large tongue SM Small male ST Small tongue

	REDUCED BORE														
			1/2"		3/4"		1"			1.1/2"		2'	"		
L (mm/in) H (mm/in)			152,4 50	6,00 1,97	177,8 56	7,00 2,20	203,2 ⁽⁶⁾ 74	8,00 2,91		228,6 ⁽⁶⁾ 100	9,00 3,94	266,7 109	10,50 4,29		
E ⁽⁷⁾ (mm /in)			9	0,35	12,5	0,49	17,5	0,69		28(4)	1,10	32 ⁽⁵⁾	1,26		
Wt. (kg/lb)			2,5	5,5	4,2	9,2	5,7	12,5		11,2	24,6	14,4	31,7		
Catal. no.															

	FULL BORE												
			1/2	1/2"		3/4"		•		1.1/2"		2'	"
L (mm/in) H (mm/in)			152,4 50	6,00 1,97	177,8 56	7,00 2,20	203,2 ⁽⁶⁾ 92	8,00 3,62		228,6 ⁽⁶⁾ 110	9,00 4,33	266,7 140	10,50 5,51
E ⁽⁷⁾ (mm /in)			12,5	0,49	17,5	0,69	22,5	0,89		35	1,38	45	1,77
Wt. (kg/lb)			2,5	5,5	4,2	9,2	5,7	12,5		11,2	24,6	14,4	31,7
Catal. no.													





CHECK VALVES-600-Bolted Cover-Flanged End / BW

Material of Construction

Body : ASTM A105 N, CF8, CF8M, 316/316L NACE, F11, F22, LF2
Cover : ASTM A105 N, CF8, CF8M, 316/316L NACE, F11, F22, LF2
Plug : ASTM A105 N, CF8, CF8M, 316/316L NACE, F11, F22, LF2

Seat : HF Stellited SS/304/316/Cr. 13%

Bolt + Nut : B7/2H - B8/8 or B7/2H

Gasket : SPW SS304/316 with CAF/Grafoil

Ratings (ASTM A105)

600 p.s.i. @ 850°F 1480 p.s.i. @ 100°F

Test pressure (ASTM A105)

Hydraulic: (minimum)
Body - 2225 p.s.i.
Seat - 1650 p.s.i.
Air under water:
not applicable

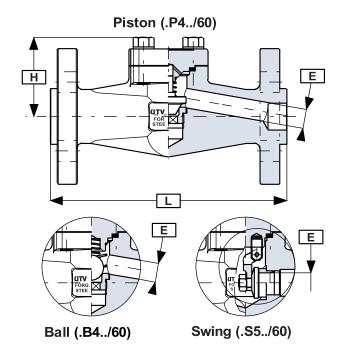
Standards

Construction BS 5352

Flanged ASME B16.5, ASME B16.10

Test BS 6755 (Pt.1)

RF RJ	Raised face (std.) Ring joint	LF LG	Large female Large groove
SF SG SM	Small female Small groove	LM LT	Large male Large tongue
ST	Small male Small tongue		



	REDUCED BORE													
			1/2	1/2"		3/4"		"		1.1/2"	2"			
L (mm/in) H (mm/in)			165,1 50	6,50 1,97	190,5 56	7,50 2,20	215,9 74	8,50 2,91		241,3 9,50 100 3,94	292,1 11,50 109 4,29			
E (6/mm/in)			9	0,35	12,5	0,49	17,5	0,69		28 ⁽⁴⁾ 1,10	32 ⁽⁵⁾ 1,26			
Wt.(kg/lb)			3,1	6,8	5	11,0	7,3	16,1		12 26,4	16,6 36,5			
Catal.no.														

	FULL BORE													
			1/2	1/2"		3/4"		"		1.1/2"		2	"	
L (mm/in) H (mm/in) E ⁽⁶ /mm/in)			165,1 50 12,5	6,50 1,97 0,49	56	7,50 2,20 0,69	215,9 92 22,5	8,50 3,62 0,89		241,3 110 35	9,50 4,33 1,38		11,50 5,51 1,77	
Wt.(kg/lb)			3,1	6,8	5	11,0	7,3	16,1		12	26,4	16,6	36,5	
Catal.no.														





CHECK VALVES-1500/2500-Bolted Cover - Flanged End / BW / RJ

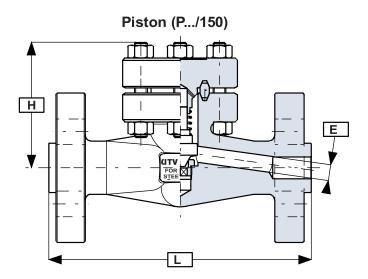
Material of Construction

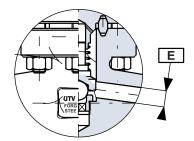
Body : ASTM A105 N, CF8, CF8M, 316/316L NACE, F11, F22, LF2 Cover : ASTM A105 N, CF8, CF8M, 316/316L NACE, F11, F22, LF2 Plug : ASTM A105 N, CF8, CF8M, 316/316L NACE, F11, F22, LF2

Seat : HF Stellited SS/304/316/Cr. 13%

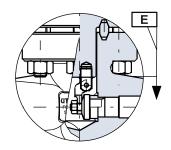
Bolt + Nut : B7/2H - B8/8 or B7/2H

Gasket : SPW SS304/316 with CAF/Grafoil









Swing (S.../150/250)

Ratings (ASTM A105) CL.	1500/2500
1500 p.s.i. @ 850°F 3705 p.s.i. @ 100°F	2500 p.s.i. @ 850°F 6170 p.s.i. @ 100°F

Test pressure (ASTM A105) CL.1500/2500

Hydraulic: (minimum)
Body - 5575 p.s.i.
Seat - 4100 p.s.i.
Air under water:
not applicable

Hydraulic: (minimum)
Body - 9275 p.s.i.
Seat - 6800 p.s.i.
Air under water:
not applicable

Standards

Construction BS 5352

Flanged ASME B16.5, ASME B16.10

Test BS 6755 (Pt.1)

RF	Raised face (std.)	LF	Large female
RJ	Ring joint	LG	Large groove
SF	Small female	LM	Large male
SG	Small groove	LT	Large tongue
SM	Small male		
ST	Small tongue		

	REDUCE BORE 1500													
			1/:	1/2"		3/4"		"		1.1/2"		2		
L (mm/in) H (mm/in)			215,9 93	8,50 3,66	228,6 109	9,00 4,29	254,0 122			304,8 158	12,00 6,22	368,3 171	14,50 6,73	
E ⁽⁴⁾ (mm /in)			11	0,43	14,5	0,57	19	0,75		31	1,22	37,5	1,48	
Wt. (kg/lb)			7,5	16,5	10,9	24,0	14,4	31,7		30,3	67,0	44,0	96,8	

	REDUCE BORE 2500													
			1/2"		3/4"		1"		1.1/2"		1/2"	2	2"	
L (mm/in) H (mm/in)		2	263,5 93	10,37 3,66	273,0 109	10,75 4,29	308,0 122	12,13 4,80		384,2 158	15,13 6,22	450,8 171	17,75 6,73	
E ⁽⁴⁾ (mm /in)			10	0,39	13	0,51	18	0,71		25	0,98	34	1,33	
Wt. (kg/lb)			8,5	18,7	12,5	27,5	19,2	42,2		40,8	89,8	59,0	129,8	





Check VALVES-1500 / 2500-Bolted Cover - Socket Weld/ NPT-BW

Material of Construction

Body : ASTM A105 N, CF8, CF8M, 316/316L NACE, F11, F22, LF2
Cover : ASTM A105 N, CF8, CF8M, 316/316L NACE, F11, F22, LF2
Plug : ASTM A105 N, CF8, CF8M, 316/316L NACE, F11, F22, LF2

Seat : HF Stellited SS/304/316/Cr. 13%

Bolt + Nut : B7/2H - B8/8 or B7/2H Gasket : SPW SS304/316 with CAF/Grafoil

Ratings (ASTM A105) CL.1500/2500

1500 p.s.i. @ 850°F 3705 p.s.i. @ 100°F 2500 p.s.i. @ 850°F 6170 p.s.i. @ 100°F

Test pressure (ASTM A105) CL.1500/2500

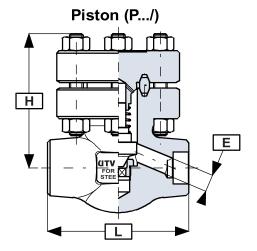
Hydraulic: (minimum)
Body - 5575 p.s.i.
Seat - 4100 p.s.i.
Air under water:
not applicable

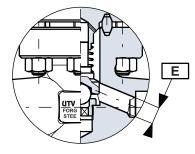
Hydraulic: (minimum)
Body - 9275 p.s.i.
Seat - 6800 p.s.i.
Air under water:
not applicable

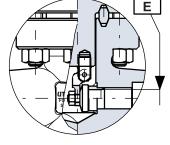
Standards

ConstructionBS 5352Socket weldASME B16.11ThreadedASME B1.20.1Butt weldASME B16.25TestBS 6755 (Pt.1)

SW TH	Socket weld Threaded NPT	B8	Butt weld 80
TS SE SU B6	Sw/NPT Sw (in)/NPT Sw (out)/NPT Butt weld 160		







Ball (B.../)

Swing (S.../)

	REDUCE BORE 1500												
		1/2"		3/4"		1"			1.1/2"			2"	
L (mm/in) H (mm/in)			4,33 3,66	115 109	4,53 4,29	130 122	5,12 4,80		210 158	8,27 6,22	240 171	9,45 6,73	
E (4) (mm /in)		11	0,43	14,5	0,57	19	0,75		31	1,22	37,5	1,48	
Wt. (kg/lb)		3,8	8,4	5,9	13,0	6,8	15,0		18,8	41,4	23,7	52,1	

	REDUCE BORE 2500													
			1/2"		3/4"		1"			1.1/2"		:	2"	
L (mm/in) H (mm/in)			263,5 93	10,37 3,66	273,0 109	10,75 4,29	308,0 122	12,13 4,80		384,2 158		450,8 171	17,75 6,73	
E ⁽⁴⁾ (mm /in)			10	0,39	13	0,51	18	0,71		25	0,98	34	1,33	
Wt. (kg/lb)			8,5	18,7	12,5	27,5	19,2	42,2		40,8	89,8	59,0	129,8	