

Bonney Forge

Brochure







Gate Valves







BONNEY FORGE

1500 LB. 2500 LB.

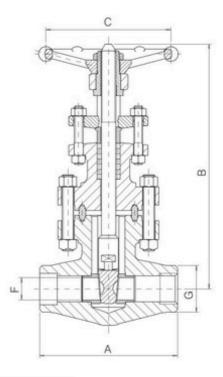
Design construction:

ASME B16.34 - BS 5352 Outside Screw and Yoke (OS&Y) Self aligning two piece packing gland Integral backseat Oval ring joint gasket Socket Weld Ends to ASME B16.11 Screwed Ends (NPT) to ASME B1.20.1 Butt Welding Ends to ASME B16.25 Ratings standard class:

- carbon steel class 1500 3705 psig @ 100°F 255 bar + 38°C

- carbon steel class 2500 6170 psig @ 100°F 425 bar + 38°C





	FULL PORT -	-FIG. 9HR	10					
	SIZE in	ch in	1/2	3/4 20	1 25	1 1/4 32	11/2	2 50
	A	inch	4.33 110	5.91 150	5.91 150	8.27 210	8.27 210	9.06 230
	B open	inch	9.17 233	11.38 289	11.54 293	14.06 357	14.41 366	17.76 451
00 LB	С	inch	5.43 138	5.43 138	5.43 138	6.77 172	6.77 172	9.21 234
150	F	inch	.55 14	.71 18	.94 24	1.16 29,5	1.44 36,6	1.89 48
	G	inch mm	1.5 38	2.17 55	2.17 55	2.95 75	2.95 75	3.62 92
	Weight	lb. kg	11 5	20.25 9,2	20.25 9,2	44 20	44 20	79.25 36
	PACKING		BH5	2B4	2B4	285	BH8	9B8
	GASKET		R12	R17	R17	R20	R20	R24

	FULL PORT	— FIG. 25Hi	R 10				
	The same of the sa	nch ma	1/2	3/4 20	1 25	11/2	2 50
	A	inch mm	5.91 150	5.91 150	8.27 210	9.06 230	9.06 230
	B open	inch mm	11.10 282	11.3 287	13.70 348	15.98 406	17.20 437
00 LB	С	inch mm	5.43 138	5.43 138	6.77 172	9.21 234	9.21 234
250	F	inch mm	.45 11,5	.59 15	.77 19,5	1.10 28	1.38 35
	G	inch mm	2.17 55	2.17 55	2.95 75	3.62 92	3.62 92
	Weight	lb. kg	22 10	22 10	48.5 22	81.5 37	79.25 36
	PACKING		284	284	BH8	988	25B8
	GASKET		R16	R16	R17	R20	R22



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GATE VALVES- BOLTED BONNET- FULL & STANDARD PORT

800 LB. 1500 LB.

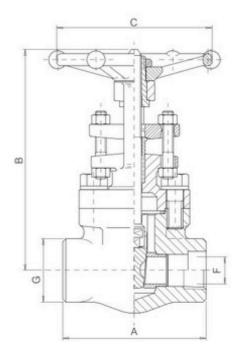
BONNEY FORGE

Design construction: API 602 - ASME B16.34 - BS 5352 Testing according to API 598 Marking MSS SP25 Outside Screw and Yoke (OS&Y) Self aligning two piece packing gland Spiral-wound gasket Integral backseat Socket Weld Ends to ASME B16.11 Screwed Ends (NPT) to ASME B1.20.1 Butt Welding Ends to ASME B16.25 Ratings:

- carbon steel class 800 1975 psig @ 100°F 138 bar + 38°C

- carbon steel class 1500 3705 psig @ 100°F 255 bar + 38°C





	FULL PORT-	-FIG. H 10								
	The second second	ich Im	1/4	3/8 10	1/2	3/4 28	1 25	11/4	11/2	2 50
	А	inch mm	3.15 80	3.15 80	3.54 90	4.33 110	5 127	5 127	5.28 134	6 152
,	B open	inch	5.98 152	5.98 152	6.22 158	7.72 196	8.86 225	10.04 255	11.42 290	14.09 358
0 LB.	С	inch mm	3.46 88	3.46 88	3.46 88	3.82 97	5.43 138	5.43 138	5.43 138	6.77 172
800	F	inch mm	.31 8	.38 9,6	.55 14	.71 18	.94 24	1.18 30	1.48 36,5	1.83 46,5
	G	inch mm	1.26 32	1.26 32	1.50	1.89 48	2.20 56	2.52 64	3.07 78	3.35 85
	Weight	lb. kg	4.5 2,1	4.5 2.1	5 2,3	8.25 3.7	13 5,9	16.25 7,4	18.3 8,3	27.5 12.5
	PACKING		BH2	BH2	BH2	BH4	BH5	BH6	BY5	BH8
	GASKET		G2	G2	G2	G3	G4	G6	G11	G10

	STANDARD I	PORT — FIE	i. HL 10					
	SIZE in	ich im	1/2	3/4 28	1 25	1 1/Z 48	2 50	3 80
	A	inch	3.15 80	3.54 90	4.33 110	5 127	5.28 134	8.86 225
	B open	inch mm	5.98 152	6.22 158	7.72 196	10.04 255	11.42 290	12.35 313
800 LB	С	inch mm	3.46 88	3.46 88	3.82 97	5.43 138	5.43 138	6.77 172
80	F	inch mm	.38 9,6	.55 14	.71 18	1.18	1.48 37,5	1.97 50
	G	inch mm	1.26 32	1.5 38	1.89	2.52 64	3.07 78	4.65 118
	Weight	lb. kg	4.25 1,9	5 2,3	7.75 3,6	16 7,3	16.75 7.6	38 17.2
	PACKING		BH2	BH2	BH4	BH6	BY5	BH8
	GASKET		G2	G2	G3	G6	G11	G10

	-		-	-	-			-	-	
500 LB.		ich In	1/4	2/8 10	1/2 15	3/4 28	25	11/4	1 1/2 48	2 50
	А	inch mm	3.54 90	3.54 90	4.33 110	5 127	5 127	5 127	5 127	8.27 210
	B open	inch mm	6.02 153	6.02 153	7.48 190	8.66 220	9.84 250	11.10 282	11.42 290	13.58 345
	С	inch	3.46 88	3.46 88	3.82 97	5.43 138	5.43 138	5.43 138	5.43 138	6.77 172
12	F	inch mm	.31	.38 9,6	.55 14	.71 18	.94 24	1.18	1.48 36,5	1.89 48
	G	inch mm	1.50 38	1.50 38	1.89	2.20 56	2.52 64	3.07 78	3.07 78	3.35 85
	Weight	lb. kg	5.25 2,4	5.25 2,4	9 4,1	13.75 6,2	17.5 8	23 10,5	24.25	44 20
	PACKING		BH3	BH3	BH5	BH6	2B4	BY7	285	9B8
	GASKET		G1	G1	G2	G3	G4	G5	G7	G8

	STANDARD PO	IRT — FIE	i. 9HL 10				
	SIZE inc		1/2	3/4 20	1 25	11/Z 40	2 50
	A	inch mm	3.54 90	4.33 110	5 127	5 127	8.27 210
	B open	inch mm	5.98 152	7.48 190	8.66 220	11.10 282	13.58 345
00 LB	С	inch mm	3.46 88	3.82 97	5.43 138	5.43 138	5.43 138
1500	F	inch mm	.38 9,6	.55 14	.71 18	1.18	1.48 36,5
	G	inch mm	1.5 38	1.89 48	2.20 56	3.07 78	3.35 85
	Weight	lb. kg	5.25 2,4	8.5 3.9	13.25 6,1	23.75 10.8	45.25 20,5
	PACKING		BH3	BH5	BH6	2B5	BH8
	GASKET		G1	G2	G3	G5	G7



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GATE VALVES- WELDED BONNET- FULL & STANDARD PORT

800 LB. 1500 LB.

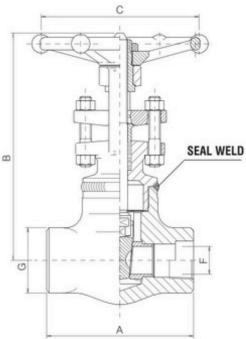
BONNEY FORGE

Design construction: API 602 - ASME B16.34 - BS 5352 Testing according to API 598 Marking MSS SP25 Outside Screw and Yoke (OS&Y) Self aligning two piece packing gland Integral backseat Body Bonnet Weld to ASME IX Socket Weld Ends to ASME B16.11 Screwed Ends (NPT) to ASME B1.20.1 Butt Welding Ends to ASME B16.25 Ratings:

- carbon steel class 800 1975 psig @ 100°F 138 bar + 38°C

- carbon steel class 1500 3705 psig @ 100°F 255 bar + 38°C





	FULL PORT	— FIG. W 1	ı							
LB.	SIZE	inch mm	1/4	3/8 10	1/2	3/4 28	1 25	11/4	1 1/2 40	2 50
	A	inch mm	3.15 80	3.15 80	3.54 90	4.33 110	5 127	5 127	5 127	8.27 210
	B open	inch mm	5.98 152	5.98 152	6.22 158	7.72 196	8.86 225	10.04 255	11.42 290	14.09 358
800 L	С	inch mm	3.46 88	3.46 88	3.46 88	3.82 97	5.43 138	5.43 138	5.43 138	6.77 172
8	F	inch mm	.31	.38 9,6	.55 14	.71 18	.94 24	1.18	1.44 36,6	1.89 48
	G	inch mm	1.26 32	1.26 32	1.5 38	1.89 48	2.20 56	2.52 64	3.07 78	3.35 85
	Weight	lb. kg	3.25 1.5	3.25 1.5	4.25	7.75 3.5	11 5	14.25 6.5	20.75 9.5	35.25 16
	PACKING	3	BH2	BH2	BH2	BH4	BH5	BH6	BY5	BH8

	STANDARD P	ORT — FIG	i. WL 10				
В.	SIZE INC	4	1/2	3/4 28	1 25	1 1/Z 40	2 50
	A	inch mm	3.15 80	3.54 90	4.33 110	5 127	5 127
	B open	inch	5.98 152	6.22 158	7.72 196	10.04 255	11.42 290
800 LB.	С	inch	3.46 88	3.46 88	3.82 97	5.43 138	5.43 138
00	F	inch mm	.38 9,6	.55 14	.71 18	1.18 30	1.48 37,5
	G	inch	1.26 32	1.5 38	1.89 48	2.52 64	3.07 78
	Weight	lb. kg	3.5 1,6	3.75 1,8	6.25 2,9	13.25 6,1	18 8,2
	PACKING		BH2	BH2	BH4	BH6	BY5

	FULL PORT	– FIG. 9W	10							
.B.	SIZE	inch mm	1/4	3/8 10	1/2	3/4 28	1 25	11/4	1 1/2 40	2 50
	A	inch mm	3.54 90	3.54 90	4.33 110	5 127	5 127	5 127	5 127	8.27 210
	B open	inch mm153	6.02 153	6.02 190	7.48 220	8.66 250	9.84 282	11.10 290	11.42 345	13.58
200	С	inch mm	3.46 88	3.46 88	3.82 97	5.43 138	5.43 138	5.43 138	5.43 138	6.77 172
15	F	inch mm	.31 8	.38 9,6	.55 14	.71 18	.94 24	1.18 30	1.44 36,6	1.89 48
	G	inch mm	1.5 38	1.5 38	1.89 48	2.20 56	2.52 64	3.07 78	3.07 78	3.35 85
	Weight	lb. kg	4.25 2,0	4.25 2,0	7.5 3,4	11.25 5,1	15.25 7	22 10	23 10,5	41.75 19
	PACKING	G	BH3	BH3	BH5	BH6	2B4	BY7	285	9B8

	STANDARD P	ORT — FIE	. 9WL 10				
	SIZE in	ch m	1/2	3/4 28	1 25	11/Z 40	2 58
.B.	A	inch mm	3.54 90	4.33 110	5 127	5 127	8.27 210
	B open	inch mm	6.02 153	7.48 190	8.66 220	11.10 282	13.58 345
1500 LB.	С	inch mm	3.46 88	3.82 97	5.43 138	5.43 138	5.43 138
=	F	inch mm	.38 9,6	.55 14	.71 18	1.18 30	1.44 36,6
	G	inch	1.5 38	1.89 48	2.20 56	3.07 78	3.35 85
	Weight	lb. kg	4.25	7.25 3,3	11.5 5,3	21.5 9,8	40.25 18,3
	PACKING		BH3	BH5	BH6	285	BH8



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BONNEY FORGE

2500 LB. 4500 LB.

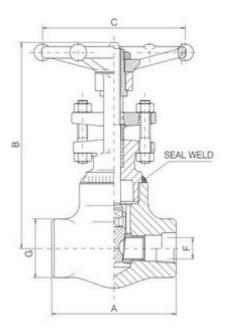
Design construction:

ASME B16.34
Outside Screw and Yoke (OS&Y)
Self aligning two piece packing gland
Integral backseat
Body Bonnet Weld to ASME IX
Socket Weld Ends to ASME B16.11
Screwed Ends (NPT) to ASME B1.20.1
Butt Welding Ends to ASME B16.25
Ratings standard class:

- carbon steel class 2500 6170 psig @ 100°F 425 bar + 38°C

- carbon steel class 4500 11100 psig @ 100°F 765 bar + 38°C





	FULL PORT -	FIG. 2511	10			- 10		ت در	32.5.E	
LB.	SIZE in	ch m	1/4	3/8 10	1/2	3/4 28	1 25	11/4	11/2	2 50
	A	inch mm	4.33 110	4.33 110	5 127	5 127	5 127	5 127	8.27 210	9.06 230
	B open	inch mm	7.20 183	7.20 183	8.43 214	9.61 244	10.87 276	10.87 276	13.27 337	15.91 404
2500	С	inch mm	3.82 97	3.82 97	5.43 138	5.43 138	5.43 138	5.43 138	6.77 172	9.21 234
28	F	inch mm	.31	.31 8	.45 11,5	.59 15	.77 19,5	.98 25	1.10 28	1.42 36
	G	inch mm	1.89 48	1.89 48	2.20 56	2.52 64	3.07 78	3.07 78	3.35 85	3.74 95
	Weight	lb. kg	11.25 5,2	11.5 5,3	11.75 5,4	15.75 7,2	21.5 9,8	21.5 9,8	43 19,5	63.75 29
	PACKING		2B3	2B3	2B3	2B4	2B5	285	285	2B8

	FULL PORT -	FIG. 4511	10			N-110 - N	
	SIZE Inc		1/2 15	3/4 28	1 25	1 1/2 48	2 50
	A	inch mm	5 127	5 127	9.06 230	9.06 230	17.76 451
18	B open	inch	10.39 264	10.83 275	14.37 365	15.75 400	17.56 446
4500	С	inch	5.43 138	6.61 168	9.21 234	12.60 320	12.60 320
45	F	inch mm	.30 7,5	.45 11,5	.59 15	1.02 26	1.02 26
	G	inch mm	3.07 78	3.07 78	3.74 95	3.74 95	4.72 120
	Weight	lb.	22 10	26.5 12	40.8 18.5	59.5 27	81.5 37
	PACKING		2B4	284	288	2B8	488

Available with Socket Weld or Butt-Weld Ends Only.



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Globe Valves





GLOBE VALVES- BOLTED BONNET- FULL PORT

BONNEY FORGE

1500 LB. 2500 LB.

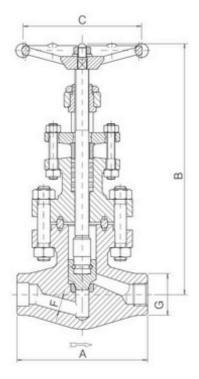
Design construction:

ASME B16.34 - BS 5352 Testing according to API 598 Marking MSS SP55 Outside Screw and Yoke (OS&Y) Self aligning two piece packing gland Integral backseat Oval ring joint gasket Loose solid disc Socket Weld Ends to ASME B16.11 Screwed Ends (NPT) to ASME B1.20.1 Butt Welding Ends to ASME B16.25 Ratings standard class:

3705 psig @ 100°F 255 bar + 38°C 6170 psig @ 100°F 425 bar + 38°C - carbon steel class 1500

- carbon steel class 2500





	FULL PORT -	FIG. SHR	30				
	SLZE inc	th a	1/2	3/4 20	1 25	11/2	2 58
	A	inch mm	4.33 110	5.91 150	5.91 150	8.27 210	9.06 230
·	B open	inch mm	9.53 242	12.20 310	12.20 310	14.57 370	18.31 465
10 LB	С	inch mm	5.43 138	5.43 138	5.43 138	6.77 172	9.21 234
1500	F	inch mm	.47 12	.59 15	.75 19	1.26 32	1.57 40
	G	inch mm	1.5 38	2.17 55	2.17 55	2.95 75	3.74 95
	Weight	lb. kg	11 5	22 10	22 10	46.25 21	79.25 36
	PACKING		2B3	284	284	2B5	2B8
	GASKET		R12	R17	R17	R20	R24

	FULL PORT -	- FIG. 2588	130			u landina a	
		ich Idi	1/2 15	3/4 20	1 25	11/2	2 50
	A	inch mm	5.91 150	5.91 150	8.27 210	9.06 230	9.06 230
·	B open	inch mm	11.97 304	11.97 304	14.25 362	17.17 436	17.17 436
30 LB	С	inch mm	5.43 138	5.43 138	5.43 138	9.21 234	9.21 234
250	F	inch mm	.43 11	.57 14,5	.75 19	1.10 28	1.5 38
	G	inch mm	2.17 55	2.17 55	2.95 75	3.74 95	3.74 95
	Weight	lb. kg	22 10	22 10	48.5 22	83.75 38	83.75 38
	PACKING		2B4	2B4	BH8	2B8	4B8
	GASKET		R16	R16	R17	R20	R20



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GLOBE VALVES- BOLTED BONNET- FULL & STANDARD PORT

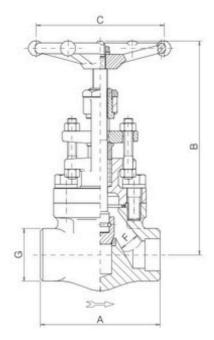
800 LB. 1500 LB.

BONNEY FORGE

Design construction: ASME B16.34 - BS 5352 Testing according to API 598 Marking MSS SP25 Outside Screw and Yoke (OS&Y) Self aligning two piece packing gland Spiral-wound gasket Integral backseat Loose solid disc Socket Weld Ends to ASME B16.11 Screwed Ends (NPT) to ASME B1.20.1 Butt Welding Ends to ASME B16.25 Ratings:

| Hatings: | - carbon steel class 800 | 1975 psig @ 100°F | 138 bar + 38°C | - carbon steel class 1500 | 3705 psig @ 100°F | 255 bar + 38°C





	FULL PORT -	-FIG. H 30								
	The second second	ch m	1/4	3/8 10	1/2	3/4 28	1 25	11/4	11/2 48	2 50
	A	inch	3.15 80	3.15 80	3.54 90	4.33 110	5 127	6 150	7.09 180	8.27 210
	B open	inch mm	6.54 166	6.54 166	6.73 171	8.39 213	9.72 247	10.16 258	11.81 300	14.76 375
0 18	С	inch	3.46 88	3.46 88	3.46 88	3.82 97	5.43 138	5.43 138	6.77 172	6.77 172
800	F	inch	.28	.35 9	.51 13	.69 17,5	.89 22,5	1.16 29,5	1.38	1.79 45,5
	G	inch	1.26 32	1.26 32	1.5 38	1.89 48	2.20 56	2.52 64	3.07 78	3.35 85
	Weight	lb. kg	4.75 2,2	4.75 2,2	5.25 2,4	8.25 3,8	13.25 6,1	16.75 7,6	27.5 12,5	43.25 19,6
	PACKING		BH3	BH3	BH3	BH5	BY5	BY5	BY7	BH8
	GASKET		G2	G2	G2	G3	G4	G6	G7	G9

	STANDARD PORT —	16. HL 30				
	SIZE inch	1/2 15	3/4 28	1 25	1 1/2 40	2 50
	A inch	3.15 80	3.54 90	4.33 110	6 150	7.09 180
	B open inch mm	7.7	6.73 171	8.39 213	10.16 258	11.81 300
800 LB	C inch	3.46 88	3.46 88	3.82 97	5.43 138	6.77 172
80	F inch	.35	.51 13	.69 17,5	1.16 29,5	1.38 35
	G inch	10000	1.5 38	1.89 48	2.52 64	3.07 78
	Weight lb.	4.5 2.1	5 2,3	8 3,7	16.25 7,4	26.25 11,9
	PACKING	BH3	BH3	BH5	BY5	BY7
	GASKET	G2	G2	G3	G6	G7

	FULL PORT -	FIG. 9H 3	18							
	SIZE inc		1/4	3/8 10	1/2	3/4 28	1 25	1 1/4 32	1 1/2 48	2 50
	A	inch mm	3.54 90	3.54 90	4.33 110	5 127	6 150	7.09 180	8.27 210	9.06 230
	B open	inch mm	6.54 166	6.54 166	8.27 210	9.72 247	10.08 256	11.81 300	14.76 375	16.85 428
30 LB	С	inch mm	3.46 88	3.46 88	3.82 97	5.43 138	5.43 138	6.77 172	6.77 172	9.21 234
1500	F	inch mm	.28 7	.35 9	.47 12	.59 15	.79 20	1.06 27	1.26 32	1.57 40
	G	inch mm	1.5 38	1.5 38	1.89 48	2.20 56	2.52 64	3.07 78	3.35 85	3.74 95
	Weight	lb. kg	5.75 2,6	5.75 2,6	9.25 4,2	14.25 6,5	18.75 8,5	27.5 12,5	49 22,3	79.25 36
	PACKING		BH3	BH3	BH5	2B4	2B4	2B5	BH8	9B8
	GASKET		G1	G1	G2	G3	G4	G5	G7	G8

	STANDARD PORT -	FIG. SHL 30				
	SIZE inch	1/2 15	3/4 28	1 25	1 1/2 40	2 50
	A inc		4.33 110	5 127	7.09 180	8.27 210
·	B open inc		8.27 210	9.84 250	11.81 300	14.76 375
500 LB	C inc		3.82 97	5.43 138	6.77 172	6.77 172
150	F inc		.47 12	.59 15	1.06 27	1.26 32
7	G inc		1.89 48	2.20 56	3.07 78	3.35 85
	Weight lb		8.75 4	14.25 6,5	28.5 13	48.5 22
	PACKING	BH3	BH5	2B4	2B5	BH8
	GASKET	G1	G2	G3	G5	G7

GLOBE VALVES- WELDED BONNET- FULL & STANDARD PORT

BONNEY FORGE

800 LB. 1500 LB.

Design construction:

ASME B16.34 - BS 5352
Testing according to API 598
Marking MSS SP25
Outside Screw and Yoke (OS&Y) Self aligning two piece packing gland Integral backseat Body bonnet weld to ASME IX Loose solid disc Socket Weld Ends to ASME B16.11 Screwed Ends (NPT) to ASME B1.20.1 Butt Welding Ends to ASME B16.25 Ratings:

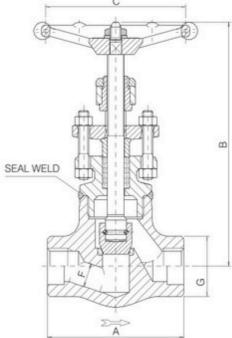
- carbon steel class 800

1975 psig @ 100°F 138 bar + 38°C

- carbon steel class 1500 3705 psig @ 100°F

255 bar + 38°C





	FULL PORT	F—FIG. W 3	1		FULL PORT — FIG. W 30											
	SIZE	inch MM	1/4	2/8 10	1/2	3/4 28	1 25	1 1/4 32	1 1/2 48	2 50						
	A	inch	3.15 80	3.15 80	3.54 90	4.33 110	5 127	5.91 150	7.09 180	8.27 210						
8	B open	inch mm	6.54 166	6.54 166	6.73 171	8.39 213	9.72 247	10.12 258	11.81 300	14.76 375						
800 LB	С	inch	3.46 88	3.46 88	3.46 88	3.82 97	5.43 138	5.43 138	6.77 172	6.77 172						
00	F	inch	.28 7	.35 9	.51 13	.69 17,5	.89 22,5	1.16 29,5	1.38 35	1.77 45						
	G	inch	1.26 32	1.26 32	1.5	1.89 48	2.20 56	2.52 64	3.07 78	3.35 85						
	Weight	lb. kg	3.75 1,7	3.75 1,8	4.25	6.5	11 5	14.75 6,8	24.25 11	36.25 16,5						
	PACKIN	G	BH3	BH3	BH3	BH5	BY5	BY5	BY7	BH8						

	STANDARD PORT —	FIG. WL 30				
	SIZE inch	1/2 15	3/4 28	1 25	1 1/2 40	2 50
	A inc	1000	3.54 90	4.33 110	5.91 150	7.09 180
	B open inc		6.73 171	8.39 213	10.12 258	11.81 300
800 LB.	C inc		3.46 88	3.82 97	5.43 138	6.77 172
8	F inc		.51 13	.69 17,5	1.16 29,5	1.38 35
	G inc	10000	1.5 38	1.89 48	2.52 64	3.07 78
	Weight lb.	3.75 1,7	4.25	6.5	14.5 6,6	22.75 10,4
	PACKING	BH3	BH3	BH5	BY5	BY7

	FULL PORT -	FIG. 9W	30							
	The second second	di III	1/4	3/8 10	1/2	3/4 28	1 25	11/4	11/2	2 50
	A	inch	3.54 90	3.54 90	4.33 110	5 127	5.91 150	7.09 180	8.27 210	9.06 230
.B.	B open	inch mm	6.54 166	6.54 166	8.27 210	9.72 247	10.08 256	11.81 300	14.76 375	16.85 428
500	С	inch	3.46 88	3.46 88	3.82 97	5.43 138	5.43 138	6.77 172	6.77 172	9.21 234
#	F	inch	.28	.35 9	.47 12	.59 15	.79 20	1.06 27	1.26	1.57 40
	G	inch mm	1.5 38	1.5 38	1.89 48	2.20 56	2.52 64	3.07 78	3.35 85	3.74 95
	Weight	lb. kg	4.75 2,2	4.75 2,2	7.75 3,5	12 5,5	16.75 7,6	22 10	44 20	66 30
	PACKING		ВН3	BH3	BH5	2B4	2B4	285	BH8	2588

	STANDARD P	ORT — FIG	i. 9WL 30		e -e		
	SIZE inc	1	1/2	3/4 28	1 25	11/Z 40	2 50
	A	inch mm	3.54 90	4.33 110	5 127	7.09 180	8.27 210
9	B open	inch mm	6.54 166	8.27 210	9.72 247	11.81 300	14.76 375
1500 LB	С	inch mm	3.46 88	3.82 97	5.43 138	6.77 172	6.77 172
=	F	inch mm	.35 9	.47 12	.59 15	1.06 27	1.26 32
	G	inch	1.5 38	1.89 48	2.20 56	3.07 78	3.35 85
	Weight	lb. kg	4.25	7.75 3,5	12 5,5	26.25 12	41.75 19
	PACKING		BH3	BH5	2B4	2B5	BH8



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BONNEY FORGE

2500 LTD. 4500 LTD.

Design construction:

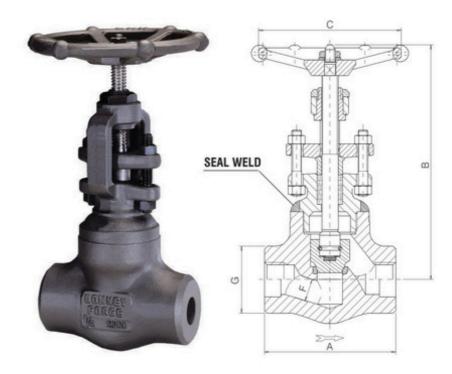
ASME B16.34 Limited Class Testing according to API 598 Marking MSS SP25 Outside Screw and Yoke (OS&Y) Self aligning two piece packing gland Integral backseat Body bonnet weld to ASME IX Loose solid disc Socket Weld Ends to ASME B16.11 Screwed Ends (NPT) to ASME B1.20.1 Butt Welding Ends to ASME B16.25 Ratings standard class:

- carbon steel class 2500

6250 psig @ 100°F 431 bar + 38°C 11250 psig @ 100°F

- carbon steel class 4500

776 bar + 38°C



		— FIG. 2511	**							
	SIZE	nch ma	1/4	3/8 18	1/2 15	3/4 28	1 25	11/4 32	11/2	2 58
A	1	inch	4.33 110	4.33 110	5 127	5.91 150	7.09 180	7.09 180	8.27 210	9.06 230
ii.	3 open	inch mm	7.48 190	7.48 190	8.9 226	9.72 247	11.34 288	11.34 288	14.17 360	16.54 420
10062)	inch	3.46 88	3.46 88	5.43 138	5.43 138	5.43 138	5.43 138	6.77 172	9.21 234
3		inch mm	.28	.35 9	.43 11	.57 14,5	.75 19	.87 22	1.10 28	1.38 35
0	3	inch mm	1.89 48	1.89 48	2.20 56	2.52 64	3.07 78	3.07 78	3.35 85	3.74 95
٧	Weight	lb. kg	9.75 4.5	10.25	12 5,5	17.5	28.5 13	28.5 13	43.5 19,8	66 30
F	PACKING		BH4	BH4	2B4	2B4	2B5	2B5	988	4B8

	FULL PORT-	FIG. 45W	30				20 mm - 120		
	SLIZE in	ch in	1/4	3/8 18	1/2 15	3/4 28	1 25	1 1/2 48	2 50
	A	inch	5 127	5 127	5 127	7.09 180	7.09 180	9.06 230	9.06 230
6	B open	inch mm	9.06 230	9.06 230	9.25 235	11.81 300	11.81 300	14.57 370	15.75 400
	С	inch mm	5.43 138	5.43 138	5.43 138	6.77 172	6.77 172	9.21 234	15.75 400
450	F	inch	.28 7	.28 7	.31	.43 11	.55 14	.98 25	1.26 32
	G	inch	2.20 56	2.20 56	2.20 56	3.07 78	3.07 78	3.74 95	4.72 120
	Weight	lb. kg	14.25 6,5	14.25 6,5	14.25 6,5	33 15	33 15	55 25	66 30
	PACKING		2B3	2B3	2B3	284	2B4	288	4B8

Available with Socket Weld or Butt-Weld Ends only.



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GLOBE VALVES- WELDED BONNET- FULL PORT (Y TYPE)

800 LTD. 1690 LTD.

BONNEY FORGE

Design construction: ASME B16.34 Limited Class Testing according to API 598 Marking MSS SP25 Outside Screw and Yoke (OS&Y) Self aligning two piece packing gland Integral backseat Body bonnet weld to ASME IX Loose solid disc Socket Weld Ends to ASME B16.11
Screwed Ends (NPT) to ASME B1.20.1
Butt Welding Ends to ASME B16.25
Ratings:

- carbon steel class 800

2000 psig @ 100°F 138 bar + 38°C 4225 psig @ 100°F

- carbon steel class 1690

291 bar + 38°C



	FULL PORT — FIG. Y 30												
	SIZE	nch mm	1/4	3/8 18	1/2	3/4 28	1 25	11/4	11/2	2 58			
800 LTD.	A	inch	3.35 85	3.35 85	3.35 85	4.13 105	4.72 120	6.5 165	6.5 165	7.48 190			
	B open	inch mm	6.85 174	6.85 174	6.85 174	8.46 215	10.04 255	10.04 255	12.52 318	14.76 375			
	С	inch	3.46 88	3.46 88	3.46 88	3.82 97	5.43 138	6.77 172	6.77 172	6.77 172			
	F	inch mm	.28	.35	.51 13	.69 17.5	.89 22.5	1.38	1.38	1.77 45			
	G	inch	1.5	1.5	1.5	1.89	2.20 56	3.07 78	3.07 78	3.35 85			
	Weight	lb. kg	4.25	4.25	4.25	7.25 3.3	11 5	24.25	24.25	33 15			
	PACKING	_	BH3	BH3	BH3	BH5	BY5	BY7	BY7	BH8			

	FULL PORT -	FULL PORT — FIG. 1690Y 30												
.013	SLZE in		1/4	3/8 18	1/2	3/4 28	1 25	11/4	1 1/2 40	2 50				
	A	inch mm	3.35 85	3.35 85	4.13 105	4.72 120	6.5 165	6.5 165	7.48 190	8.66 220				
	B open	inch	6.89 175	6.89 175	8.46 215	10.04 255	11.02 280	12.40 315	14.96 380	17.72 450				
10691	С	inch mm	3.46 88	3.46 88	3.82 97	5.43 138	5.43 138	6.77 172	6.77 172	9.21 234				
16	F	inch mm	.28	.35 9	.47 12	.59 15	.79 20	1.06 27	1.26	1.57 40				
	G	inch mm	1.5 38	1.5 38	1.89 48	2.20 56	3.07 78	3.07 78	3.35 85	3.74 95				
	Weight	lb. kg	4.25	4.25	7.75 3,5	11.5 5,3	24.25	24.25 11	36.25 16,5	57.25 26				
	PACKING		BH3	BH3	BH5	2B4	2B4	BY7	BH8	2B8				



GLOBE VALVES- WELDED BONNET- FULL PORT (Y TYPE)

BONNEY FORGE

2680 LTD. 4500 LTD.

Design construction:

ASME B16.34 Limited Class Testing according to API 598 Marking MSS SP25 Outside Screw and Yoke (OS&Y) Self aligning two piece packing gland Integral backseat Body bonnet weld to ASME IX Loose solid disc Socket Weld Ends to ASME B16.11 Screwed Ends (NPT) to ASME B1.20.1 Butt Welding Ends to ASME B16.25 Ratings:

- carbon steel class 2680

6700 psig @ 100°F 462 bar + 38°C 11250 psig @ 100°F 776 bar + 38°C

- carbon steel class 4500



	FULL PORT	FULL PORT — FIG. 2680Y 30												
	The State of the S	ech Bin	1/4	3/8 10	1/2 15	3/4 20	1 25	1 1/2 40	2 50					
2680 LTD.	А	inch	4.13 105	4.13 105	4.72 120	6.5 165	6.5 165	7.48 190	8.66 220					
	B open	inch	8.13 206	8.63 219	9.45 240	10.83 275	12.20 310	14.17 360	17.44 443					
	С	inch mm	3.46 88	3.46 88	5.43 138	5.43 138	5.43 138	6.77 172	9.21 234					
26	F	inch mm	.28	.35	.43 11	.57 14,5	.75 19	1.10 28	1.38					
	G	inch	1.89 48	1.89 48	2.20 56	3.07 78	3.07 78	3.35 85	3.74 95					
	Weight	lb. kg	7.75 3,5	7.75 3,5	11 5	25.25 11,5	27.5 12,5	37.25 17	67 30					
	PACKING		BH4	BH4	2B4	2B4	285	988	4B8					

Note: Thread End Valves are limited to ASME B16.34, 2500 Pressure Class.

	FULL PORT -	FULL PORT — FIG. 45Y 30											
	SIZE In	ch m	1/4	3/8 18	1/2 15	3/4 28	1 25	1 1/2 40	2 50				
	A	inch	4.72 120	4.72 120	4.72 120	6.5 165	6.5 165	8.66 220	9.06 230				
Ë	B open	inch	9.45 240	9.45 240	9.65 245	12.69 322	12.69 322	16.54 420	17.72 450				
4500 1	С	inch mm	5.43 138	5.43 138	5.43 138	6.77 172	6.77 172	9.21 234	15.75 400				
45	F	inch mm	.28 7	.28 7	.31 8	.43 11	.55 14	.98 25	1.26 32				
	G	inch	2.20 56	2.20 56	2.20 56	3.07 78	3.07 78	3.74 95	4.72 120				
	Weight	lb. kg	12 5,5	12 5,5	12.25 5,6	30.75 14	30.75 14	61.75 28	70.5 32				
	PACKING		2B3	2B3	2B3	2B4A	4B5	2B8	4B8				

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Gheck Valves





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CHECK VALVES- BOLTED BONNET- FULL & STANDARD PORT

BONNEY FORGE

800 LB. 1500 LB.

Design construction:

ASME B16.34 - BS 5352 Testing according to API 598 Marking MSS SP25 Spring on request only Spiral-wound gasket Socket Weld Ends to ASME B16.11 Screwed Ends (NPT) to ASME B1.20.1 Butt Welding Ends to ASME B16.25

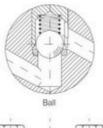
- carbon steel class 800

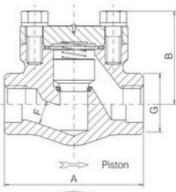
1975 psig @ 100°F

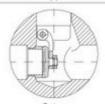
138 bar + 38°C 3705 psig @ 100°F - carbon steel class 1500

255 bar + 38°C









	FULL PORT -	FIG. H 4	0 - H 50 - H	60	NATA TOR	v = 3	s_=ss		25 - S	
	SIZE INC		1/4	3/8 10	1/2	3/4 28	1 25	11/4	11/2	2 50
	A	inch mm	3.15 80*	3.15 80	3.54 90	4.33 110	5 127	5.91 150	7.09 180	8.27 210
ë	В	inch mm	2.17 55	2.17 55	2.36 60	3.07 78	3.46 88	3.62 92	4.25 108	5.71 145
1008	F Piston/ F Ball	inch mm	.28	.35 9	.51 13	.69 17,5	.89 22,5	1.16 29,5	1.38 35	1.77 45
*	F Swing	inch mm	.31 8	.38 9,6	.55 14	.71 18	.94 24	1.18 30	1.44 36,6	1.89 48
	G	inch mm	1.26 32	1.26 32	1.50 38	1.89 48	2.20 56	2.52 64	3.07 78	3.35 85
	Weight	lb. kg	3 1,4	3 1,4	3.5 1,6	6.5	9.5 4,3	12.25 5,6	22 10	35.25 16
	GASKET		G2	G2	G2	G3	G4	G6	G7	G9

	SAZE inc		1/2 15	3/4 28	1 25	11/2	2 50
	A	inch mm	3.15 80	3.54 90	4.33 110	5.91 150	7.09 180
B.	В	inch mm	2.17 55	2.36 60	3.07 78	3.62 92	4.25 108
800 LB.	F Piston/ F Ball	inch mm	.35	.51 13	.69 17,5	1.16 29,5	1.38 35
*	F Swing	inch mm	.38 9.6	.55 14	.71 18	1.18 30	1.44 36,6
	G	inch mm	1.26 32	1.5 38	1.89 48	2.52 64	3.07 78
	Weight	lb. kg	2.75	3.5 1,6	6.25 2,8	12.25 5,6	19.75 9,0
	GASKET		G2	G2	G3	G6	G7

*For	swing	type	only	A=	90mm	3	54inct	
	_							۱

	FULL PORT -	FULL PORT — FIG. 9H 40 - 9H 50 - 9H 60											
	SIZE IN		1/4	3/8 10	1/2 15	3/4 28	1 25	11/4 32	1 1/2 40	2 50			
	A	inch mm	3.54 90	3.54 90	4.33 110	5 127	5.91 150	7.09 180	8.27 210	8.27 210			
ë	В	inch mm	2.36 60	2.36 60	3.07 78	3.46 88	3.62 92	4.25 108	5.71 145	5.91 150			
200	F Piston/ F Ball	inch mm	.28 7	.35 9	.47 12	.59 15	.79 20	1.06 27	1.26 32	1.57 40			
=	F Swing	inch mm	-		.55 14	.71 18	.94 24	1.18 30	1.44 36,6	1.89 48			
	G	inch mm	1.5 38	1.5 38	1.89 48	2.20 56	2.52 64	3.07 78	3.35 85	3.74 95			
	Weight	lb. kg	3.75 1,7	3.75 1,7	6.75 3,1	10 4,6	14.25 6,5	23.25 10,6	41.75 19	41.75 19			
	GASKET		G1	G1	G2	G3	G4	G5	G7	G7			

	STANDARD PO	IRT — FIE	. SHL 40 -	9HL 50 - 9H	L 60		
	SLZE inc		1/2 15	3/4 28	1 25	11/2	2 50
	A	inch mm	3.54 90	4.33 110	5 127	7.09 180	8.27 210
æ	В	inch mm	2.36 60	3.07 78	3.46 88	4.25 108	5.71 145
1500 LB.	F Piston/ F Ball	inch mm	.35 9	.47 12	.59 15	1.06 27	1.26 32
=	F Swing	inch mm	.38 9,6	.55 14	.71 18	1.18	1.44 36,6
	G	inch mm	1.5 38	1.89 48	2.20 56	3.07 78	3.35 85
	Weight	lb. kg	3.75 1,7	6.5	9.75 4,4	22 10	39.5 18
. 3	GASKET		G1	G2	G3	G5	G7



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CHECK VALVES- BOLTED BONNET- FULL PORT

BONNEY FORGE

1500 LB. 2500 LB.

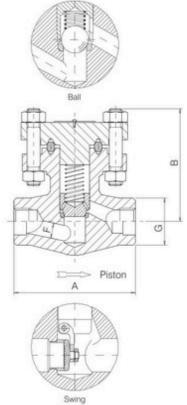
Design construction: ASME B16.34 - BS 5352 Testing according to API 598 Marking MSS SP25 Spring on request only Oval ring joint gasket
Socket Weld Ends to ASME B16.11
Screwed Ends (NPT) to ASME B1.20.1
Butt Welding Ends to ASME B16.25
Patiese streaded large large. Ratings standard class:

- carbon steel class 1500 3705 psig @ 100°F

255 bar + 38°C 6170 psig @ 100°F - carbon steel class 2500

425 bar + 38°C





FULL PORT -	FULL PORT — FIG. SHR 40 - SHR 50 - SHR 60												
SAZE in	ch III	1/2	3/4 20	1 25	11/2	2 50							
A	inch	4.33	5.91	5.91	8.27	9.06							
	mm	110	150	150	210	230							
ej B	inch	3.78	5.04	5.04	6.10	7.68							
	mm	96	128	128	155	195							
F Piston/	inch	.47	.59	.75	1.26	1.5							
F Ball	mm	12	15	19	32	38							
F Swing	inch	.55	.71	.94	1.44	1.89							
	mm	14	18	24	36,6	48							
G	inch	1.5	2.17	2.17	2.95	3.62							
	mm	38	55	55	75	92							
Weight	lb.	7	16	16	37.5	63.75							
	kg	3,2	7,3	7,3	17	29							
GASKET		R12	R17	R17	R20	R24							

	FULL PORT -	FIG. 25H	R 40 - 25HR 50 - 2	SHR 60			N
	SIZE inch		1/2 15	3/4 20	1 25	11/2	2 50
	A	inch mm	5.91 150	5.91 150	8.27 210	9.06 230	9.06 230
ej	В	inch mm	5.04 128	5.04 128	5.98 152	7.48 190	7.48 190
200	F Piston/ F Ball	inch mm	.43 11	.57 14,5	.75 19	1.10 28	1.38 35
2	F Swing	inch	.45 11,5	.59 15	.77 19,5	1.10 28	1.38 35
	G	inch mm	2.17 55	2.17 55	2.95 75	3.74 95	3.74 95
	Weight	lb. kg	16.5 7,5	16.5 7,5	40.75 18,5	66 30	66 30
	GASKET		R16	R16	R17	R20	R20



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CHECK VALVES- WELDED BONNET- FULL & STANDARD PORT

BONNEY FORGE

800 LB. 1500 LB.

Design construction:

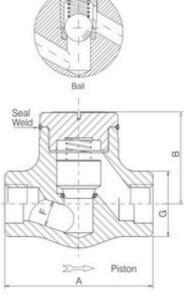
ASME B16.34 - BS 5352 Testing according to API 598 Marking MSS SP25 Spring on request only Body bonnet weld to ASME IX Socket Weld Ends to ASME B16.11 Screwed Ends (NPT) to ASME B1.20.1 Butt Welding Ends to ASME B16.25

- carbon steel class 800

1975 psig @ 100°F

138 bar + 38°C 3705 psig @ 100°F 255 bar + 38°C - carbon steel class 1500







	FULL PORT -	FULL PORT — FIG. W 40 - W 50 - W 60												
	SIZE in		1/4	3/8 10	1/2	3/4 28	1 25	11/4	11/2	2 50				
	A	inch mm	3.15 80	3.15 80	3.54 90	4.33 110	5 127	5.91 150	7.09 180	8.27 210				
ë	В	inch mm	2.17 55	2.17 55	2.36 60	3.07 78	3.46 88	3.62 92	4.33 110	5.91 150				
800	F Piston/ F Ball	inch mm	.28	.35 9	.51 13	.69 17,5	.89 22,5	1.16 29,5	1.38 35	1.77 45				
	F Swing	inch mm	.31	.38 9,6	.55 14	.71 18	.94 24	1.18	1.44 36,6	1.89 48				
	G	inch mm	1.26 32	1.26 32	1.50 38	1.89 48	2.20 56	2.52 64	3.07 78	3.35 85				
	Weight	lb. kg	2	2	2.5 1,2	5 2,3	7.25 3,3	11.5 5,2	19 8,7	30.75 14				

	STANDARD P	ORT — FIE	. WL 40 - W	L 50 - WL 6	ia	807.	
	SIZE inc	4	1/2 15	3/4 20	1 25	11/2	2 50
	A	inch mm	3.15 80	3.54 90	4.33 110	5.91 150	7.09 180
ģ	В	inch mm	2.13 54	2.36 60	3 76	3.62 92	4.33 110
800 LB.	F Piston/ F Ball	inch mm	.35 9	.51 13	.69 17,5	1.16 29,5	1.38 35
	F Swing	inch mm	.38 9,6	.55 14	.71 18	1.18	1.44 36,6
	G	inch mm	1.26 32	1.50 38	1.89 48	2.52 64	3.07 78
	Weight	lb. kg	1.75 0,9	2.25	5 2,3	11 5	18.25 8,3

	FULL PORT -	FIG. SW	40 - 9W 50	- 9W 60						
	SIZE inc		1/4	3/8 10	1/2 15	3/4 20	1 25	1 1/4 32	1 1/2 49	2 58
	A	inch mm	3.54 90	3.54 90	4.33 110	5 127	5.91 150	7.09 180	8.27 210	9.06 230
Ë	В	inch mm	2.17 55	2.17 55	3 76	3.31 84	3.54 90	4.33 110	5.91 150	9.06 230
1500	F Piston/ F Ball	inch mm	.28	.35	.47 12	.59 15	.79 20	1.06 27	1.26	1.57 40
Г	F Swing	inch mm	.31	.38 9,6	.55 14	.71 18	.94 24	1.18	1.44 36,6	1.89 48
	G	inch mm	1.50 38	1.50 38	1.89 48	2.20 56	2.52 64	3.07 78	3.35 85	3.74 95
	Weight	lb. kg	3 1,4	3 1,4	5.5 2,5	8 3,7	13.25 6	22 10	34.25 15,5	48.5 22

	STANDARD PO	IRT — FIE	. 9WL 40 -	9WL 50 - 9	WL 68		
	SLIZE inc	-	1/2 15	3/4 28	1 25	1 1/2 44	2 50
	A	inch mm	3.54 90	4.33 110	5 127	7.09 180	8.27 210
Ë	В	inch mm	2.13 54	3 76	3.39 86	4.33 110	5.91 150
1500 LB	F Piston/ F Ball	inch mm	.35	.47 12	.59 15	1.06 27	1.26 32
Т	F Swing	inch mm	.38 9,6	.55 14	.71 18	1.18	1.44 36,6
	G	inch mm	1.5 38	1.89 48	2.20 56	3.07 78	3.35 85
	Weight	lb. kg	3 1,4	4.75 2,2	6.5	21 9,6	35.25 16



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2500 LTD. 4500 LTD.

BONNEY FORGE

Design construction:

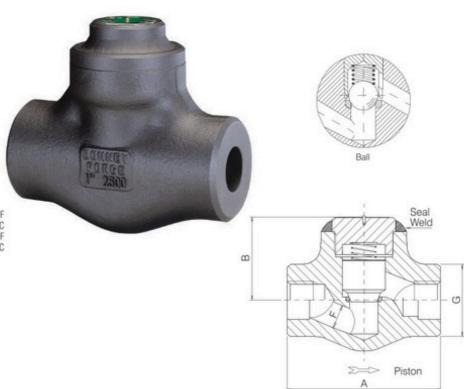
ASME B16.34 Limited Class Testing according to API 598 Marking MSS SP25 Spring on request only Body bonnet weld to ASME IX Socket Weld Ends to ASME B16.11 Screwed Ends (NPT) to ASME B1.20.1 Butt Welding Ends to ASME B16.25 Ratings:

- carbon steel class 2500

6250 psig @ 100°F

431 bar + 38°C 11250 psig @ 100°F

- carbon steel class 4500 776 bar + 38°C



R	ILL PORT — FIG. 251	V 40 - 25W 50	1					- 1
SI	ZE inch	1/4	3/8 18	1/2	3/4 20	1 25	11/2	2 50
A A	inch	4.33 110	4.33 110	5 127	5.91 150	7.09 180	8.27 210	9.06 230
В	inch mm	2.76 70	2.76 70	3.39 86	3.62 92	4.33 110	5.91 150	7.09 180
E F	inch mm	.28 7	.35 9	.43 11	.57 14,5	.75 19	1.10 28	1.38
G	inch mm	1.89 48	1.89 48	2.20 56	2.52 64	3.07 78	3.35 85	3.74 95
W	eight lb. kg	7 3,2	7 3,2	8.25 3,8	12.25 5,6	22 10	35.25 16	46.25 21

	FULL POR	T — FIG. 45W	40 - 45W 50						
	SIZE	inch inch	1/4	3/8 18	1/2 15	3/4 28	1 25	11/2	2 50
ë	A	inch mm	5 127	5 127	5 127	7.09 180	7.09 180	9.06 230	9.06 230
0 110	В	inch mm	3.54 90	3.54 90	3.54 90	4.33 110	4.33 110	7.09 180	7.68 195
4200	F	inch mm	.28	.28	.31	.43 11	.55 14	.98 25	1.26 32
	G	inch mm	2.20 56	2.20 56	2.20 56	3.07 78	3.07 78	3.74 95	4.72 120
	Weight	lb. kg	8.5 3,9	8.5 3,9	8.5 3,9	23 10,5	23 10,5	55.5 25,2	59.5 27

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BONNEY FORGE

800 LTD. 1690 LTD.

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Body bonnet weld to ASME IX
Spring ng request early Spring on request only Socket Weld Ends to ASME B16.11 Screwed Ends (NPT) to ASME B1.20.1 Butt Welding Ends to ASME B16.25

- carbon steel class 800

- carbon steel class 1690

2000 psig @ 100°F

138 bar + 38°C 4225 psig @ 100°F 291 bar + 38°C



П	FULL POR	T — FIG. Y 40	-Y 50							
	SIZE	inch mm	1/4	3/8 10	1/2	3/4 28	1 25	11/4	1 1/2	2 58
١	A	inch	3.35 85	3.35 85	3.35 85	4.13 105	4.72 120	6.5 165	6.5 165	7.48 190
1	В	inch mm	2.76 70	2.76 70	2.76 70	3.54 90	3.93 100	5.12 130	5.12 130	6.3
8	F	inch	.28	.35	.51 13	.69 17,5	.89 22,5	1.16 29,5	1.38	1.77 45
Ī	G	inch mm	1.50 38	1.50 38	1.50	1.89	2.20 56	3.07 78	3.07 78	3.35 85
	Weight	lb. kg	2.5	2.5	2.5 1,2	5 2.3	6.5	17.5 8	17.5 8	26.25

	FULL PO	RT — FIG. 1691	IY 40 - 169	IY 50	0804-5		Selvens	590 a 69	respects	
	SIZE	inch mm	1/4	3/8 10	1/2	3/4 28	1 25	11/4	11/2	2 50
	A	inch mm	3.35 85	3.35 85	4.13 105	4.72 120	6.5 165	6.5 165	7.48 190	8.66 220
910	В	inch mm	2.76 70	2.76 70	3.54 90	3.93 100	5.12 130	5.12 130	6.3 160	7.68 195
1690	F	inch mm	.28	.35	.47 12	.59 15	.79 20	1.06 27	1.26 32	1.57 40
	G	inch mm	1.50 38	1.50 38	1.89 48	2.20 56	3.07 78	3.07 78	3.35 85	3.74 95
	Weight	t lb. kg	2.5 1,2	2.5 1,2	5.25 2,4	7.75 3,6	20.5 9,3	28.5 13	29.75 13,5	39.5 18



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