



# CHECK VALVES- BOLTED BONNET- FULL & REDUCED PORT

BONNEY FORGE

**800 LB.**

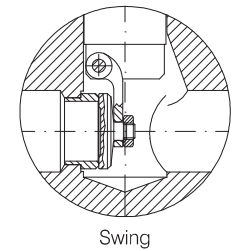
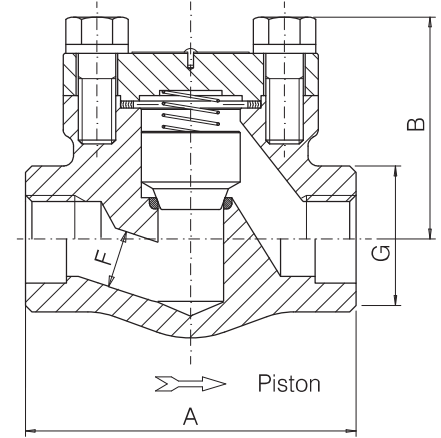
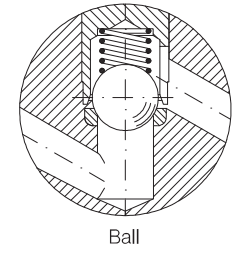
**1500 LB.**

**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

**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



800 LB.									
FULL PORT — FIG. H 40 - H 50 - H 60									
SIZE	inch mm	1/4 6	3/8 10	1/2 15	3/4 20	1 25	1 1/4 32	1 1/2 40	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
B	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
F Piston/ F Ball	inch mm	.28 7	.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 3	9.5 4.3	12.25 5.6	22 10	35.25 16
GASKET		G2	G2	G2	G3	G4	G6	G7	G9

800 LB.						
REDUCED PORT — FIG. HL 40 - HL 50 - HL 60						
SIZE	inch mm	1/2 15	3/4 20	1 25	1 1/2 40	2 50
A	inch mm	3.15 80	3.54 90	4.33 110	5.91 150	7.09 180
B	inch mm	2.17 55	2.36 60	3.07 78	3.62 92	4.25 108
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 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 1.3	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 3.54inch

1500 LB.									
FULL PORT — FIG. 9H 40 - 9H 50 - 9H 60									
SIZE	inch mm	1/4 6	3/8 10	1/2 15	3/4 20	1 25	1 1/4 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
B	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
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	G8

1500 LB.						
REDUCED PORT — FIG. 9HL 40 - 9HL 50 - 9HL 60						
SIZE	inch mm	1/2 15	3/4 20	1 25	1 1/2 40	2 50
A	inch mm	3.54 90	4.33 110	5 127	7.09 180	8.27 210
B	inch mm	2.36 60	3.07 78	3.46 88	4.25 108	5.71 145
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 30	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 3	9.75 4.4	22 10	39.5 18
GASKET		G1	G2	G3	G5	G7