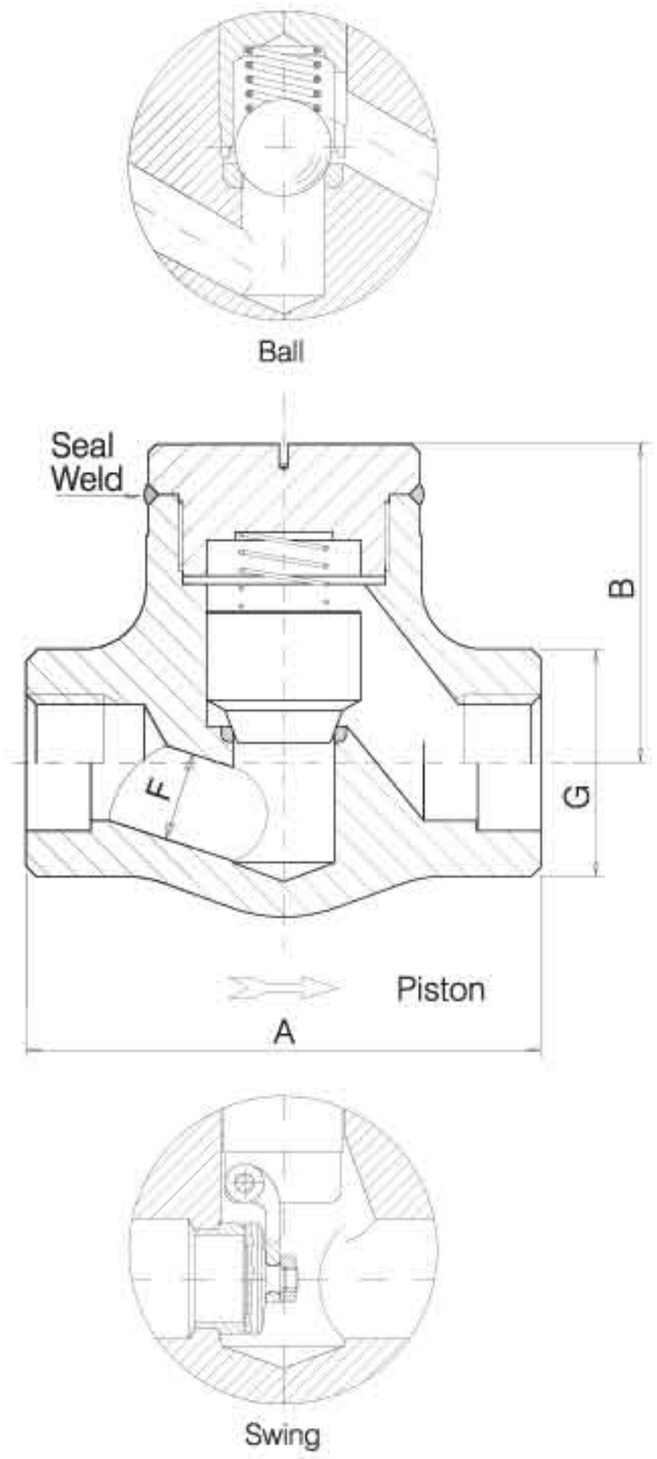
CHECK VALVES- WELDED BONNET- FULL & REDUCED PORT

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
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



800 LB.

FULL PORT – FIG. W 40 - W 50 - W 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	3.15	3.15	3.54	4.33	5	5.91	7.09	8.27
	mm	80	80	90	110	127	150	180	210
B	inch	2.17	2.17	2.36	3.07	3.46	3.62	4.33	5.91
	mm	55	55	60	78	88	92	110	150
F Piston/ F Ball	inch	.28	.35	.51	.69	.89	1.16	1.38	1.77
	mm	7	9	13	17,5	22,5	29,5	35	45
F Swing	inch	.31	.38	.55	.71	.94	1.18	1.44	1.89
	mm	8	9,6	14	18	24	30	36,6	48
G	inch	1.26	1.26	1.50	1.89	2.20	2.52	3.07	3.35
	mm	32	32	38	48	56	64	78	85
Weight	lb.	2	2	2.5	5	7.25	11.5	19	30.75
	kg	1	1	1,2	2,3	3,3	5,2	8,7	14

800 LB.

REDUCED PORT – FIG. WL 40 - WL 50 - WL 60						
SIZE	inch / mm	1/2 / 15	3/4 / 20	1 / 25	1 1/2 / 40	2 / 50
A	inch	3.15	3.54	4.33	5.91	7.09
	mm	80	90	110	150	180
B	inch	2.13	2.36	3	3.62	4.33
	mm	54	60	76	92	110
F Piston/ F Ball	inch	.35	.51	.69	1.16	1.38
	mm	9	13	17,5	29,5	35
F Swing	inch	.38	.55	.71	1.18	1.44
	mm	9,6	14	18	30	36,6
G	inch	1.26	1.50	1.89	2.52	3.07
	mm	32	38	48	64	78
Weight	lb.	1.75	2.25	5	11	18.25
	kg	0,9	1,1	2,3	5	8,3

1500 LB.

FULL PORT – FIG. 9W 40 - 9W 50 - 9W 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	3.54	3.54	4.33	5	5.91	7.09	8.27	9.06
	mm	90	90	110	127	150	180	210	230
B	inch	2.17	2.17	3	3.31	3.54	4.33	5.91	9.06
	mm	55	55	76	84	90	110	150	230
F Piston/ F Ball	inch	.28	.35	.47	.59	.79	1.06	1.26	1.57
	mm	7	9	12	15	20	27	32	40
F Swing	inch	.31	.38	.55	.71	.94	1.18	1.44	1.89
	mm	8	9,6	14	18	24	30	36,6	48
G	inch	1.50	1.50	1.89	2.20	2.52	3.07	3.35	3.74
	mm	38	38	48	56	64	78	85	95
Weight	lb.	3	3	5.5	8	13.25	22	34.25	48.5
	kg	1,4	1,4	2,5	3,7	6	10	15,5	22

1500 LB.

REDUCED PORT – FIG. 9WL 40 - 9WL 50 - 9WL 60						
SIZE	inch / mm	1/2 / 15	3/4 / 20	1 / 25	1 1/2 / 40	2 / 50
A	inch	3.54	4.33	5	7.09	8.27
	mm	90	110	127	180	210
B	inch	2.13	3	3.39	4.33	5.91
	mm	54	76	86	110	150
F Piston/ F Ball	inch	.35	.47	.59	1.06	1.26
	mm	9	12	15	27	32
F Swing	inch	.38	.55	.71	1.18	1.44
	mm	9,6	14	18	30	36,6
G	inch	1.5	1.89	2.20	3.07	3.35
	mm	38	48	56	78	85
Weight	lb.	3	4.75	6.5	21	35.25
	kg	1,4	2,2	3	9,6	16

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