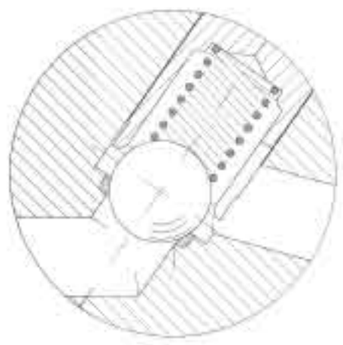
CHECK VALVES- WELDED BONNET- FULL PORT (Y TYPE)

BONNEY FORGE

2680 LTD.

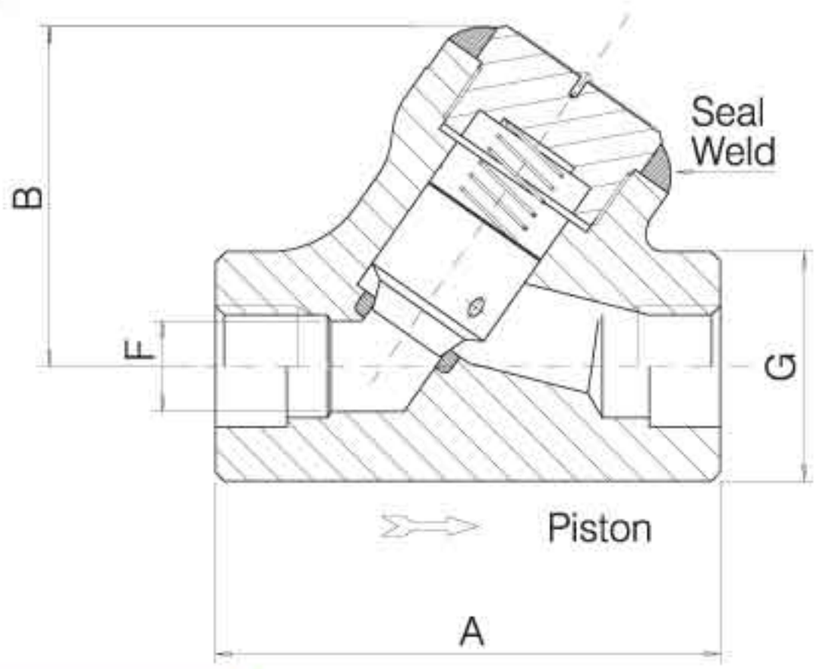
4500 LTD.



Ball

Design construction:
ASME B16.34 Limited Class - BS 5352
Testing according to API 598
Marking MSS SP25
Body bonnet weld to ASME IX
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
Ratings:

- carbon steel class 2680	6700 psig @ 100°F 462 bar + 38°C
- carbon steel class 4500	11250 psig @ 100°F 776 bar + 38°C



2680 LTD.

FULL PORT – FIG. 2680Y 40 - 2680Y 50								
SIZE inch / mm		1/4 6	3/8 10	1/2 15	3/4 20	1 25	1 1/2 40	2 50
A	inch	4.13	4.13	4.72	6.5	6.5	7.48	8.66
	mm	105	105	120	165	165	190	220
B	inch	3.35	3.35	3.74	4.53	4.72	5.71	7.28
	mm	85	85	95	115	120	145	185
F	inch	.28	.35	.43	.57	.75	1.10	1.38
	mm	7	9	11	14,5	19	28	35
G	inch	1.89	1.89	2.20	3.07	3.07	3.35	3.74
	mm	48	48	56	78	78	85	95
Weight	lb.	7	7	8	19.75	19.75	29.75	44
	kg	3,2	3,2	3,7	9	9	13,5	20

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

4500 LTD.

REDUCED PORT – FIG. 45Y 40 - 45Y 50								
SIZE inch / mm		1/4 6	3/8 10	1/2 15	3/4 20	1 25	1 1/2 40	2 50
A	inch	4.72	4.72	4.72	6.5	6.5	8.66	9.06
	mm	120	120	120	165	165	220	230
B	inch	3.74	3.74	3.74	4.53	4.72	7.28	7.68
	mm	95	95	95	115	120	185	195
F	inch	.28	.28	.31	.43	.55	.98	1.26
	mm	7	7	8	11	14	25	32
G	inch	2.20	2.20	2.20	3.07	3.07	3.74	4.72
	mm	56	56	56	78	78	95	120
Weight	lb.	8	8	8	19.75	19.75	44	50.5
	kg	3,7	3,7	3,7	9	9	20	23

Available with Socket Weld or Butt-Weld Ends only.

Materials and trim specifications Page 91