



CHECK VALVES- BOLTED BONNET- FULL & REDUCED PORT

BONNEY FORGE

800 LB.

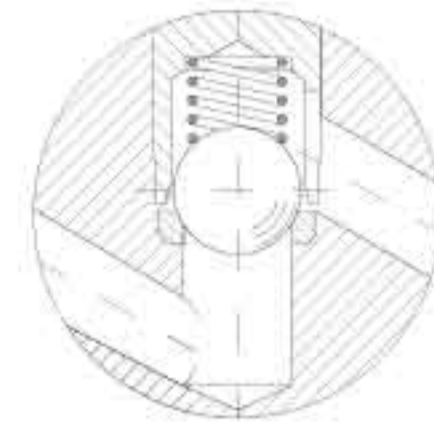
1500 LB.

Design construction:

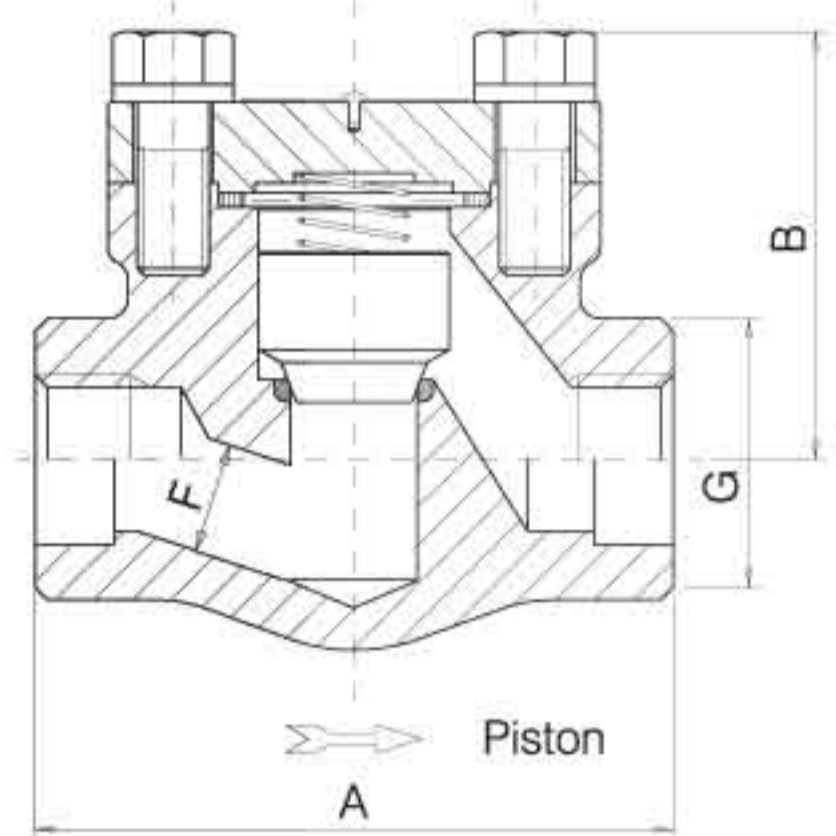
- ASME B16.34 - BS 5352
- Testing according to API 598
- Marking MSS SP25
- Spring on request only
- Spiral-wound gasket
- Socket Weld Ends to ASME B16.11
- Screwed Ends (NPT) to ASME B1.20.1
- Butt Welding Ends to ASME B16.25

Ratings:

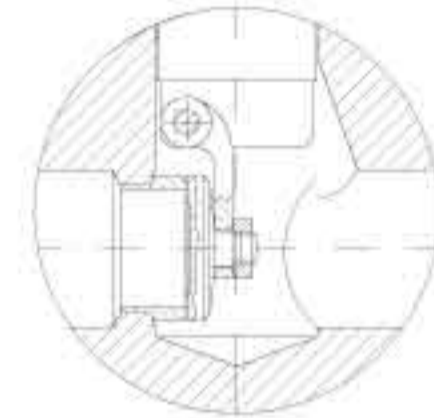
- carbon steel class 800 1975 psig @ 100°F
138 bar + 38°C
- carbon steel class 1500 3705 psig @ 100°F
255 bar + 38°C



Ball



Piston



Swing

| 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 |