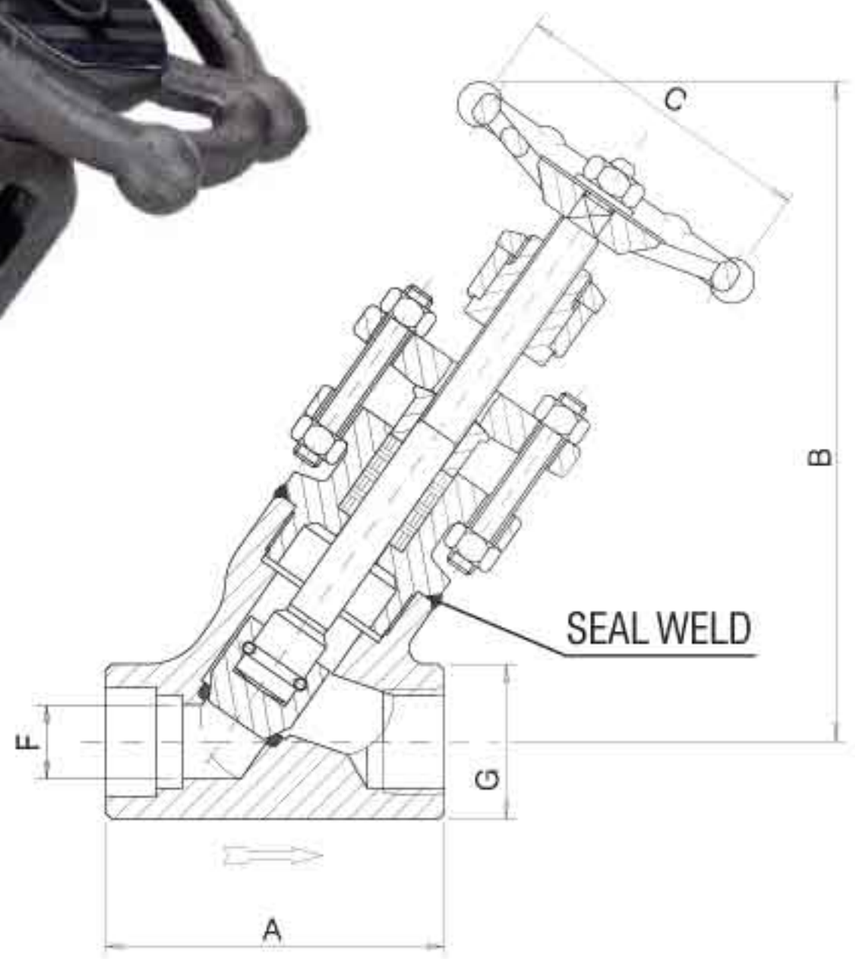
# GLOBE VALVES- WELDED BONNET- FULL PORT (Y TYPE)

BONNEY FORGE

## 800 LTD.
## 1690 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 800 | 2000 psig @ 100°F<br>138 bar + 38°C |
| - carbon steel class 1690 | 4225 psig @ 100°F<br>291 bar + 38°C |




**800 LTD.**

| FULL PORT – FIG. Y 30 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| SIZE inch / mm | | 1/4<br>6 | 3/8<br>10 | 1/2<br>15 | 3/4<br>20 | 1<br>25 | 1 1/4<br>32 | 1 1/2<br>40 | 2<br>50 |
| A | inch | 3.35 | 3.35 | 3.35 | 4.13 | 4.72 | 6.5 | 6.5 | 7.48 |
| | mm | 85 | 85 | 85 | 105 | 120 | 165 | 165 | 190 |
| B open | inch | 6.85 | 6.85 | 6.85 | 8.46 | 10.04 | 10.04 | 12.52 | 14.76 |
| | mm | 174 | 174 | 174 | 215 | 255 | 255 | 318 | 375 |
| C | inch | 3.46 | 3.46 | 3.46 | 3.82 | 5.43 | 6.77 | 6.77 | 6.77 |
| | mm | 88 | 88 | 88 | 97 | 138 | 172 | 172 | 172 |
| F | inch | .28 | .35 | .51 | .69 | .89 | 1.38 | 1.38 | 1.77 |
| | mm | 7 | 9 | 13 | 17,5 | 22,5 | 35 | 35 | 45 |
| G | inch | 1.5 | 1.5 | 1.5 | 1.89 | 2.20 | 3.07 | 3.07 | 3.35 |
| | mm | 38 | 38 | 38 | 48 | 56 | 78 | 78 | 85 |
| Weight | lb. | 4.25 | 4.25 | 4.25 | 7.25 | 11 | 24.25 | 24.25 | 33 |
| | kg | 2 | 2 | 2 | 3,3 | 5 | 11 | 11 | 15 |
| PACKING | | BH3 | BH3 | BH3 | BH5 | BY5 | BY7 | BY7 | BH8 |

**1690 LTD.**

| FULL PORT – FIG. 1690Y 30 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| SIZE inch / mm | | 1/4<br>6 | 3/8<br>10 | 1/2<br>15 | 3/4<br>20 | 1<br>25 | 1 1/4<br>32 | 1 1/2<br>40 | 2<br>50 |
| A | inch | 3.35 | 3.35 | 4.13 | 4.72 | 6.5 | 6.5 | 7.48 | 8.66 |
| | mm | 85 | 85 | 105 | 120 | 165 | 165 | 190 | 220 |
| B open | inch | 6.89 | 6.89 | 8.46 | 10.04 | 11.02 | 12.40 | 14.96 | 17.72 |
| | mm | 175 | 175 | 215 | 255 | 280 | 315 | 380 | 450 |
| C | inch | 3.46 | 3.46 | 3.82 | 5.43 | 5.43 | 6.77 | 6.77 | 9.21 |
| | mm | 88 | 88 | 97 | 138 | 138 | 172 | 172 | 234 |
| F | inch | .28 | .35 | .47 | .59 | .79 | 1.06 | 1.26 | 1.57 |
| | mm | 7 | 9 | 12 | 15 | 20 | 27 | 32 | 40 |
| G | inch | 1.5 | 1.5 | 1.89 | 2.20 | 3.07 | 3.07 | 3.35 | 3.74 |
| | mm | 38 | 38 | 48 | 56 | 78 | 78 | 85 | 95 |
| Weight | lb. | 4.25 | 4.25 | 7.75 | 11.5 | 24.25 | 24.25 | 36.25 | 57.25 |
| | kg | 2 | 2 | 3,5 | 5,3 | 11 | 11 | 16,5 | 26 |
| PACKING | | BH3 | BH3 | BH5 | 2B4 | 2B4 | BY7 | BH8 | 2B8 |

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