

**Ratings (ASTM A105)**

600 p.s.i. @ 850°F  
1480 p.s.i. @ 100°F

**Test pressure (ASTM A105)**

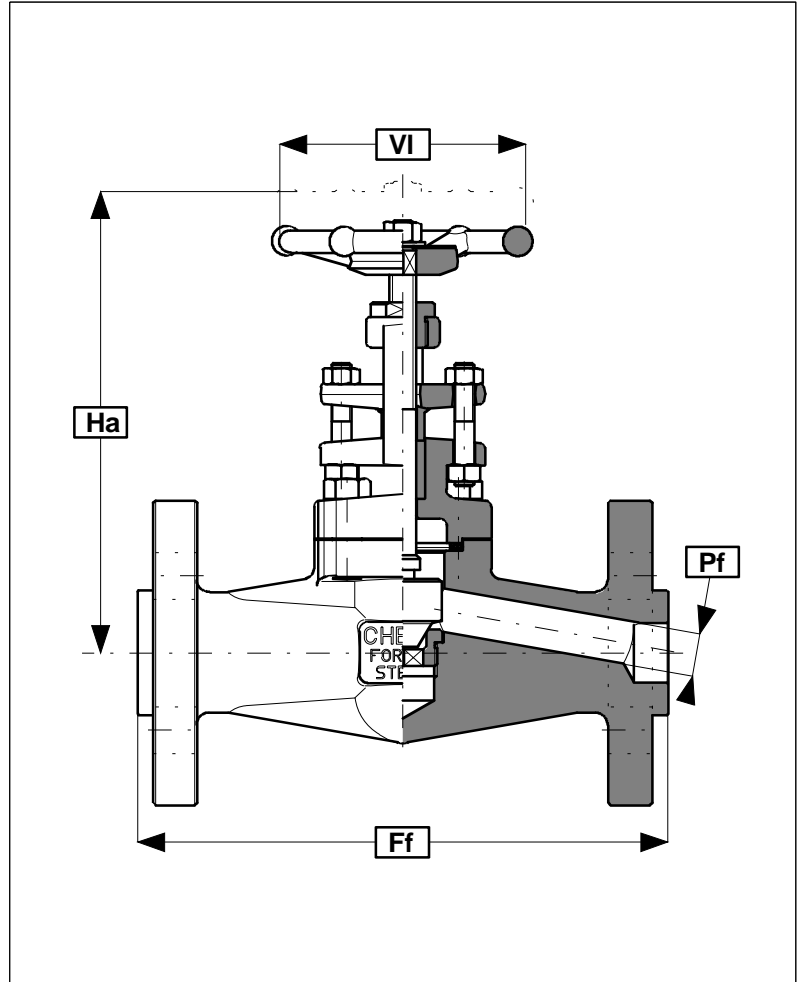
**Hydraulic:** (minimum)  
Body - 2225 p.s.i.  
Seat - 1650 p.s.i.  
**Air under water:**  
Seat - 85 p.s.i.

**Standards**

**Construction** BS 5352  
**Flanged** ASME B16.5, ASME B16.10  
**Test** BS 6755 (Pt.1)

**Connections (xx)**

|                              |                        |
|------------------------------|------------------------|
| <b>RF</b> Raised face (std.) | <b>LF</b> Large female |
| <b>RJ</b> Ring joint         | <b>LG</b> Large groove |
| <b>SF</b> Small female       | <b>LM</b> Large male   |
| <b>SG</b> Small groove       | <b>LT</b> Large tongue |
| <b>SM</b> Small male         |                        |
| <b>ST</b> Small tongue       |                        |


**REDUCED BORE**

|                    |  | 1/2"      |      | 3/4"      |      | 1"        |      | 1.1/2"            |       | 2"                |       |
|--------------------|--|-----------|------|-----------|------|-----------|------|-------------------|-------|-------------------|-------|
| <b>Ff (mm/in)</b>  |  | 165,1     | 6,50 | 190,5     | 7,50 | 215,9     | 8,50 | 241,3             | 9,50  | 292,1             | 11,50 |
| <b>Ha (mm/in)</b>  |  | 152       | 5,98 | 159       | 6,26 | 182       | 7,17 | 283               | 11,14 | 306               | 12,05 |
| <b>VI (mm/in)</b>  |  | 90        | 3,54 | 90        | 3,54 | 100       | 3,94 | 140               | 5,51  | 140               | 5,51  |
| <b>Pf (mm/in)</b>  |  | 9         | 0,35 | 12,5      | 0,49 | 17,5      | 0,69 | 28 <sup>(4)</sup> | 1,10  | 32 <sup>(5)</sup> | 1,26  |
| <b>Wt. (kg/lb)</b> |  | 3,6       | 7,9  | 5,1       | 11,2 | 7,8       | 17,2 | 14,2              | 31,2  | 19,4              | 42,7  |
| <b>Catal. no.</b>  |  | R352/60xx |      | R353/60xx |      | R354/60xx |      | R356/60xx         |       | R357/60xx         |       |

**FULL BORE**

|                    |  | 1/2"      |      | 3/4"      |      | 1"        |      | 1.1/2"    |       | 2"        |       |
|--------------------|--|-----------|------|-----------|------|-----------|------|-----------|-------|-----------|-------|
| <b>Ff (mm/in)</b>  |  | 165,1     | 6,50 | 190,5     | 7,50 | 215,9     | 8,50 | 241,3     | 9,50  | 292,1     | 11,50 |
| <b>Ha (mm/in)</b>  |  | 159       | 6,26 | 182       | 7,17 | 214       | 8,43 | 306       | 12,05 | 327       | 12,87 |
| <b>VI (mm/in)</b>  |  | 90        | 3,54 | 100       | 3,94 | 120       | 4,72 | 140       | 5,51  | 200       | 7,87  |
| <b>Pf (mm/in)</b>  |  | 12        | 0,47 | 17,5      | 0,69 | 22,5      | 0,89 | 34        | 1,34  | 45        | 1,77  |
| <b>Wt. (kg/lb)</b> |  | 3,8       | 8,4  | 6,8       | 15,0 | 10,3      | 22,7 | 17,8      | 39,2  | 26,8      | 59,0  |
| <b>Catal. no.</b>  |  | F312/60xx |      | F313/60xx |      | F314/60xx |      | F316/60xx |       | F317/60xx |       |

1) Standard and alternative valve materials on page 67, type A  
2) Complete Pressure-Temperature ratings on page 68, 69, 70, 71,72  
3) Flanges & face-to-face dimensions on page 74,75

4) Pf = 29,5 with integral stellited seat  
5) Pf = 35 with integral stellited seat