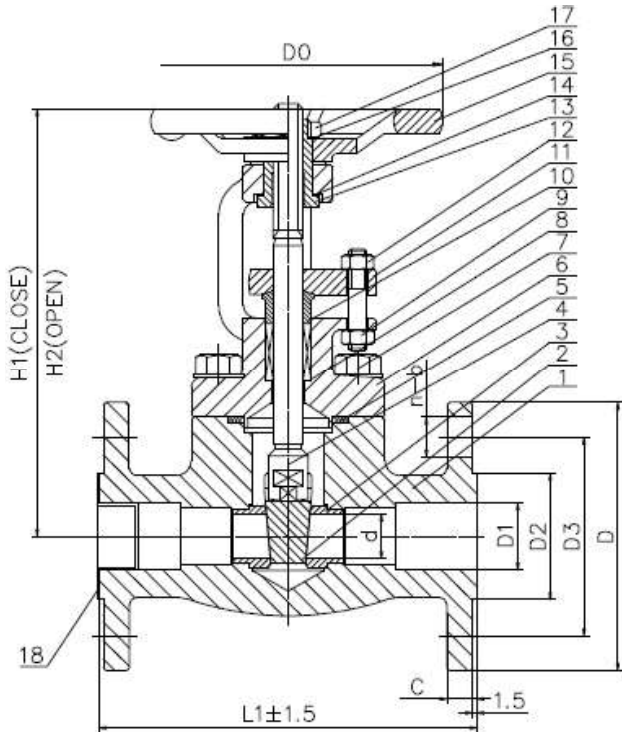


# Gate Valves • Class 300 • Flanged • FB3514XUF

## BOLTED BONNET – FULL PORT – ISO 15761

Outside Screw &amp; Yoke



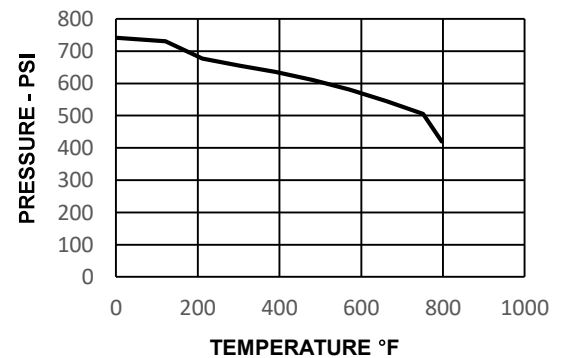
### APPLICABLE STANDARDS:

BASIC DESIGN: API 602  
 FACE TO FACE AND END TO END  
 DIMENSIONS OF VALVES: ASME B16.10  
 FLANGED END: ASME B16.5  
 TEST AND INSPECTION: API 598  
 RATINGS: Carbon Steel  
 Class 300– 740 P.S.I. @ 100°F

## Materials of Construction

| No. | Description    | Qty   | Material     |
|-----|----------------|-------|--------------|
| 1   | Body           | 1     | A105         |
| 2   | Disc           | 1     | A276-420     |
| 3   | Seat ring      | 2     | 1Cr13        |
| 4   | Stem           | 1     | A182-F6a     |
| 5   | Gasket         | 1     | 304+Graphite |
| 6   | Bonnet         | 1     | A105         |
| 7   | Bonnet Bolt    | 4     | A193-B7      |
| 8   | Packing        | 1 Set | Graphite     |
| 9   | Gland Bolt     | 2     | A193-B7      |
| 10  | Packing Flange | 1     | 1Cr13        |
| 11  | Gland Flange   | 1     | A105         |
| 12  | Nut            | 4     | A194-2H      |
| 13  | Stem Nut       | 1     | 1Cr13        |
| 14  | Washer         | 2     | 1Cr13        |
| 15  | Hand Wheel     | 1     | KTH330-08    |
| 16  | Nameplate      | 1     | 304          |
| 17  | Hand Wheel Nut | 1     | 25           |
| 18  | Plug           | 2     | Plastic      |

### Pressure - Temperature Rating



## Dimensions

| Valve Size | L1  |      | H1  |      | H2  |      | D0 |      | d    |      | D1 |      | D2 |      | D3   |      | D  |      | C  |      | n-bolt holes |    |      |
|------------|-----|------|-----|------|-----|------|----|------|------|------|----|------|----|------|------|------|----|------|----|------|--------------|----|------|
| in.        | mm  | in.  | mm  | in.  | mm  | in.  | mm | in.  | mm   | in.  | mm | in.  | mm | in.  | mm   | in.  | mm | in.  | mm | in.  | n            | mm | in.  |
| 1/2        | 140 | 5.51 | 149 | 5.87 | 163 | 6.42 | 85 | 3.35 | 13.6 | 0.54 | 18 | 0.71 | 35 | 1.38 | 66.5 | 2.62 | 95 | 3.74 | 15 | 0.59 | 4            | 16 | 0.62 |