



| BILL OF MATERIALS | | | |
|-------------------|---------------|------------------|----------------|
| NO. | Part Name | Materials | Materials |
| 14 | Handwheel | A197 | A197 |
| 13 | Locking nut | Steel | Steel |
| 12 | Stem nut | A276 410 | A276 410 |
| 11 | Nut | A194 8 | A194 2H |
| 10 | Gland eyebolt | A193 B8 | A193 B7 |
| 9 | Gland flange | AISI 316 | A105 |
| 8 | Gland | A276 304 | A276 420 |
| 7 | Packing | Graphite | Graphite |
| 6 | Bolt | A193 B8(M) | A193 B7(M) |
| 5 | Bonnet | A182 F316(L) | A105 |
| 4 | Gasket | 316SS+Graphite | 316SS+Graphite |
| 3 | Stem | A182 F316L | A182 F6a |
| 2 | Wedge | A182 F316(L)+STL | A182 F6a+STL |
| 1 | Body+Seat* | A182 F316(L)+STL | A105+STL |
| NO. | Part Name | Materials | Materials |

*: Seat integral

| NB | DN | A | B | D | C | E | F | G | Wgt |
|--------|----|-----|----|------|------|-----|----|-----|------|
| 1/2" | 15 | 80 | 32 | 7 | 21.7 | 148 | 10 | 80 | 1.8 |
| 3/4" | 20 | 90 | 38 | 9 | 27.1 | 156 | 13 | 80 | 2.1 |
| 1" | 25 | 110 | 48 | 12.5 | 33.8 | 182 | 14 | 100 | 3.6 |
| 1 1/2" | 40 | 127 | 65 | 28 | 48.6 | 240 | 14 | 120 | 7.8 |
| 2" | 50 | 130 | 78 | 34 | 61.1 | 250 | 16 | 140 | 10.6 |

| DESIGN CODE | API 602/ANSI B16.34 | TEST PRESSURES | | |
|-------------------------|---------------------|----------------|--------|------|
| FACE TO FACE DIMENSIONS | Manu's Std | BODY | 211.00 | Barg |
| ENDS/FLANGES DIMENSIONS | ASME B16.11/B.20.1 | SEAT | 155.00 | Barg |
| TESTING CODE | API 598 | BACKSEAT | 155.00 | Barg |
| | | AIR - SEAT | 6.0 | Barg |

| REV | DATE | DESCRIPTION | BY | CHK | APP | SCALE: | | |
|-----|------|-------------|----|-----|-----|----------|-----|------|
| - | - | - | | | | DRAWN | DM | DATE |
| | | | | | | CHECKED | SMN | DATE |
| | | | | | | APPROVED | AW | DATE |

DRAWING TITLE:
API FORGED CLASS 800
BOLTED BONNET, SW/NPT, GLOBE VALVES

CLIENT: .

VENDOR PO REF: .

EVC REF: .

CAD. No. DRAWING NUMBER: 120168 REV 00

AREA No. | FACILITY | TYPE | SEQ. No. | SHT. No.

MATERIALS TO NACE MR0175 LATEST EDITION (WETTED PARTS).