CAST STEEL FLANGED GLOBE VALVES, ANSI CLASS 1500

# Fig No:GBF-1500 2"~16"

DN50~DN400

### Features:

Conical seat design

MODENTIC

Round Bonnet with Integral York.

Outside Screw and Yoke, Rising stem design

Seat face stellited, ground and lapped to a mirror finish, conical seat machined to 8 RMS

Universal Trim-13 Cr stem, wedge 13 Cr face and stellited seat API Trim 8 suitable for applications up to 850°F (454°C) Body and Bonnet joint accurately machined, Full enclosed gasket

#### Sample Castings:

Before castings are released for production, the Modentic NDE inspector level,

evaluates and approves the submitted x-ray films (100% coverage) as per ASME B16.34 acceptance standard Improves the internal integrity of castings (RT level 2 or better) at pattern approval

#### Standard compliance:

Valve design according to BS 1873

Shell wall Thickness according to BS 1873

Pressure-temperature rating according to ASME/ANSI B16.34

Material according to ASTM

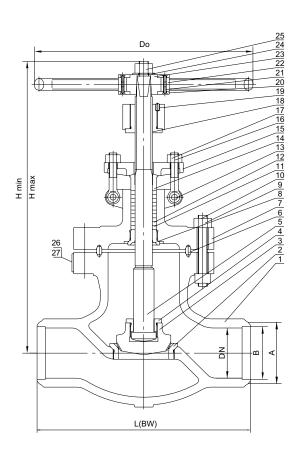
Face to Face according to ASME/ANSI B16.10

End to end according to ASME/ANSI B16.10

Flanged dimension according to ASME/ANSI B16.5 class 1500 RF, Finish 125-250 AARH

Butt weld dimension according to ASME/ANSI B16.25

Pressure testing according to API 598



| NO | PART NAME    | MATERIAL             |  |  |
|----|--------------|----------------------|--|--|
| 1  | BODY         | ASTM A216 GR.WCB     |  |  |
| 2  | Seat Ring    | ASTM A105+ HF Faced  |  |  |
| 3  | DISC         | ASTM A105 +410 Faced |  |  |
| 4  | DISC NUT     | ASTM A276-420        |  |  |
| 5  | Stem         | ASTM A182-F6         |  |  |
| 6  | Gasket       | Ring Joint-Soft Iron |  |  |
| 7  | Bonnet       | ASTM A216-WCB        |  |  |
| 8  | Back Seat    | ASTM A276-410        |  |  |
| 9  | Bolt         | ASTM A193-B7         |  |  |
| 10 | Nut          | ASTM A194-2H         |  |  |
| 11 | Packing      | Flexible Graphite    |  |  |
| 12 | Packing      | Braaided Graphite    |  |  |
| 13 | Pin          | CARBON STEEL         |  |  |
| 14 | Gland        | ASTM A26-410         |  |  |
| 15 | Gland Flange | ASTM216-WCB          |  |  |
| 16 | Eyebolt      | ASTM A193-B7         |  |  |
| 17 | Nut          | ASTM A194-2H         |  |  |
| 18 | Stem Nut     | ASTM A439-D2         |  |  |
| 19 | Screw        | CARBON STEEL         |  |  |
| 20 | Apron Plate  | CARBON STEEL         |  |  |
| 21 | Screw        | CARBON STEEL         |  |  |
| 22 | Handweel     | ASTM A536(60-40-18)  |  |  |
| 23 | Impact Plate | CARBON STEEL         |  |  |
| 24 | Washer       | CARBON STEEL         |  |  |
| 25 | Handweel Nut | ASTM A194-2H         |  |  |
| 26 | Name plate   | 304                  |  |  |
| 27 | Rivet        | 304                  |  |  |

Other Materials Also Available On Requested

unit.mm

#### DIMENSIONS

| unit unit |     |      |       |  |
|-----------|-----|------|-------|--|
| SIZE      | L   | н    | W     |  |
| 2"        | 368 | 520  | 350.0 |  |
| 3"        | 470 | 580  | *     |  |
| 4"        | 546 | 650  | *     |  |
| 6"        | 705 | 854  | *     |  |
| 8"        | 832 | 1020 | *     |  |
| 10"       | 991 | 1992 | *     |  |

\*Gear Operated

# http://www.modentic.com.tw/

## MATERIAL LIST