

# Nivz Valves & Automation

## Globe Valve, Bolted Bonnet, Rising Stem

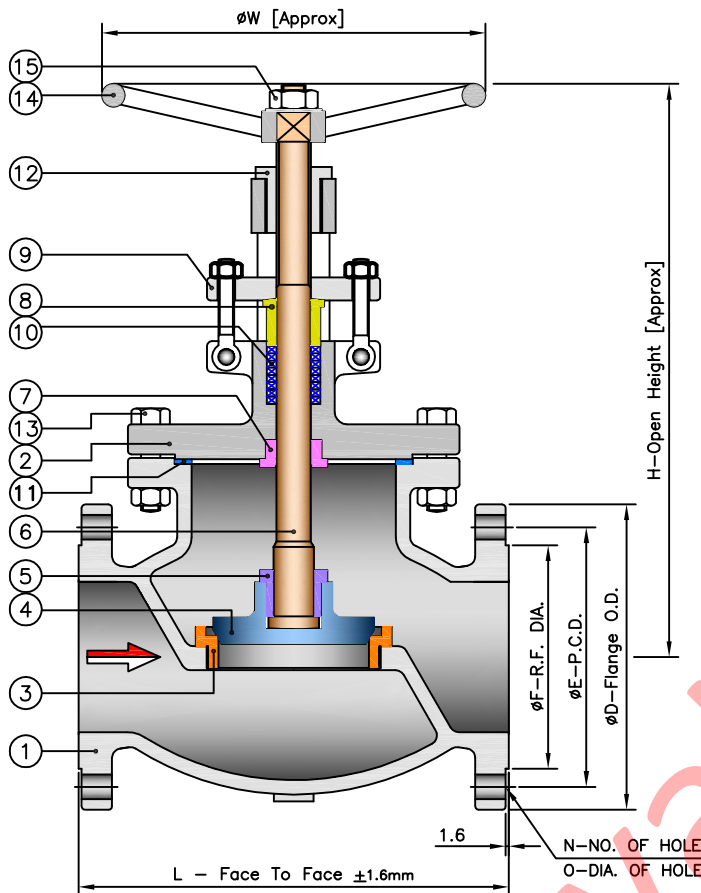
DRG. No.: **GL15/30**

00

Rev. No.

### Nomenclature:-

| NO. | PART NAME         | MATERIAL                                                    |
|-----|-------------------|-------------------------------------------------------------|
| 1   | Body              | CAST IRON/ASTM A 216 GR. WCB                                |
| 2   | Bonnet            | ASTM A 351 GR. CF 8/8M                                      |
| 3   | Seat Ring         | CA 15/AISI 410/304/316/ALLOY 20                             |
| 4   | Disc              | CA 15/WCB+13% Cr. Face/<br>AISI 304/316/CF 8/CF 8M/ALLOY 20 |
| 5   | Disc Nut          | AISI 410/304/316/ALLOY 20                                   |
| 6   | Stem              | AISI 410/304/316/ALLOY 20                                   |
| 7   | Back Seat Bush    | AISI 410/304/316/ALLOY 20                                   |
| 8   | Gland Bush        | AISI 410/304/316/ALLOY 20                                   |
| 9   | Gland Flange      | C.S./S.S.                                                   |
| 10  | Gland Packing     | Grafoil/P.T.F.E Impregnated Asbestos                        |
| 11  | Gasket            | CAF/Sp. Wound with P.T.F.E./CAF/Grafoil                     |
| 12  | Yoke Bush         | C.S./A 439 GR. D2/Ph. Bronze                                |
| 13  | Bonnet Bolt & Nut | C.S./A193 GR. B7/2H/S.S. 304/316                            |
| 14  | Hand Wheel        | Cast Iron/Cabon Steel/Ductile Iron                          |
| 15  | Wheel Nut         | C.S./A194 GR. 2H/S.S. 304/316                               |



Pressure Rating : 150 #/300#  
End Connection : Flanged End  
Flange Drilling : ANSI B 16.5 150/300#  
Face To Face : ANSI B 16.10

### Design Standard : BS 1873

#### Dimensions [150 Class]

| SIZE | 25   | 40   | 50    | 65    | 80    | 100   | 125   | 150   | 200   | 250   | 300   |
|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| L    | 127  | 165  | 203   | 216   | 241   | 292   | 356   | 406   | 495   | 623   | 699   |
| ØD   | 108  | 127  | 152.4 | 177.8 | 190.5 | 228.6 | 254   | 279   | 343   | 406   | 483   |
| ØE   | 79.3 | 98.4 | 120.6 | 139.7 | 152.4 | 190.5 | 215.9 | 241.3 | 298.4 | 362.0 | 431.8 |
| ØF   | 50.8 | 73   | 92.1  | 104.7 | 127.0 | 157.2 | 185.6 | 215.9 | 269.9 | 323.8 | 381   |
| N    | 4    | 4    | 4     | 4     | 4     | 8     | 8     | 8     | 8     | 12    | 12    |
| ØO   | 15.8 | 15.8 | 19    | 19    | 19    | 19    | 22.2  | 22.2  | 22.2  | 25.4  | 25.4  |
| H    | 230  | 285  | 335   | 355   | 380   | 432   | 485   | 520   | 610   | 675   | 950   |
| ØW   | 125  | 178  | 178   | 240   | 240   | 240   | 340   | 340   | 470   | 470   | 510   |

#### Dimensions [300 Class]

| SIZE | 50    | 65    | 80    | 100   | 125   | 150   | 200   | 250   | 300   |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| L    | 267   | 292   | 317   | 356   | 400   | 445   | 559   | 623   | 711   |
| ØD   | 165.1 | 190.5 | 209.5 | 254   | 279.4 | 317.5 | 381   | 444.5 | 520.7 |
| ØE   | 127   | 149.3 | 168.1 | 200.1 | 235   | 269.7 | 330.2 | 387.3 | 450.7 |
| ØF   | 92.1  | 104.7 | 127.0 | 157.2 | 185.6 | 215.9 | 269.9 | 323.8 | 381   |
| N    | 8     | 8     | 8     | 8     | 8     | 12    | 12    | 16    | 16    |
| ØO   | 19    | 22.2  | 22.2  | 22.2  | 22.2  | 22.2  | 25.4  | 28.4  | 31.7  |
| H    | 325   | 425   | 485   | 520   | 565   | 655   | 825   | 920   | 1155  |
| ØW   | 203   | 254   | 300   | 300   | 350   | 350   | 500   | 610   | 700   |

All Dimensions Are In mm

### FEATURES

- \* Deep Stuffing Box
- \* Gland Seal Design With Lantern Ring Option
- \* Graphite Ring Ensures Effective Stem Sealing
- \* Self Aligning Two Piece Gland
- \* Hardened Back Sheet For Max. Service Life
- \* Seat, Disc & Back Seat Stellite [Optional]

### Testing Standard : BS 6755-I

| Test Pressure in PSIG/BAR/KG./CM <sup>2</sup> |     |      |    |     |      |    |      |      |    |  |  |
|-----------------------------------------------|-----|------|----|-----|------|----|------|------|----|--|--|
| Test                                          |     |      |    |     |      |    |      |      |    |  |  |
| Hydrostatic                                   |     |      |    |     |      |    |      |      |    |  |  |
| Pr. Rating                                    |     |      |    |     |      |    |      |      |    |  |  |
| 150#                                          |     |      |    |     |      |    |      |      |    |  |  |
| MOC                                           |     |      |    |     |      |    |      |      |    |  |  |
| C.I.                                          |     |      |    |     |      |    |      |      |    |  |  |
| Body                                          | 215 | 14.7 | 15 | 425 | 29.3 | 30 | 1125 | 77.5 | 79 |  |  |
| Seat                                          | 142 | 9.8  | 10 | 300 | 20.7 | 21 | 825  | 56.8 | 58 |  |  |
| Back Seat                                     | 142 | 9.8  | 10 | 300 | 20.7 | 21 | 825  | 56.8 | 58 |  |  |



VALVES & AUTOMATION

[www.nivzvalves.com](http://www.nivzvalves.com)

Client \_\_\_\_\_

Order / Enq. No. \_\_\_\_\_

Job / Project \_\_\_\_\_

Manufactured By : **Nivz Valves & Automation**, Ahmedabad, Gujarat, INDIA.

Do Not Copy Drawing

©COPYRIGHT

Due to continuous development programme, the design and data given in this leaflet are subject to change without prior notice

Appd.

Chkd.

Drwn.

For Record

For Reference

For Approval