

## Specification for Forged Carbon Steel Globe Valve (IBR)

Type - Forged Carbon Steel Globe Valve. IBR Certified.

Duty - To handle steam at pressure =  $10.9 \text{ Kg/cm}^2$  at temp.  $260^\circ \text{C}$ .

Design - straight conventional port, outside screw and yoke, bolted bonnet rising stem and renewable seats CLASS-800.

Stem - Rising Stem out side screw.

End Connection - Flanges drilled as per BS-10, table-F.

Operation - Through malleable iron hand wheel, ASTM A47.

~~Material of construction~~

- (a) Body & Bonnet With integral Yoke & gland - ASTM-A 105 Gr-II
- (b) Stem, Disc & seat ring - 13% Cr stainless Steel Heat treated and Hardened Facing.
- (c) Gland Packing - PTFE Impregnated asbestos
- (d) Gasket - Spiral wound asbestos with SS-304 insert

### Notes-

1. the party shall submit following with the offer
  - (a) Complete description and illustrative catalogue / literature
  - (b) Detailed cross section drawing with parts/material list.On failure to submit documents as specified the offer is likely to be rejected.
2. The party shall submit the following documents along with supply of material
  - (a) material test certificate (in this suppliers must indicate clearly chemical composition and physical properties)
  - (b) Hydraulic test certificate.
  - (c) IBR certificate in Form IIC duly signed by inspecting authorities for valve meant for steam service.

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Anjan

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