

## AV-304 Drop Forged Steel Globe Valve, Socket Welded Ends, Class-800

### Features

|                            |  |
|----------------------------|--|
| Product Standard           | API 602 / BS EN-15761  |
| Testing Standard           | API-598  |
| Pressure / Class Rating    | Class-800  |
| Body Material Cum Standard | Forged Carbon Steel (ASTM A105)  |
| Product Description        | Standard Bore, Bolted Bonnet, Outside Screw & Yoke Type, Rising Stem with Backseat Arrangement, Handwheel Operated |
| Type of Seat               | Renewable Seat   |
| Type of Disc               | Renewable Disc   |
| Trim                       | 13% Cr. (SS 410)   |
| End Details                | Socket Welded Ends as per ASME B-16.11   |
| Test Pressure              | Body: 207 Bar (Hyd.), Seat & Back Seat: 152 Bar (Hyd.), Seat: 7 Bar (Air)  |
| Max. Working Temperature   | 425°C  |



### Notes

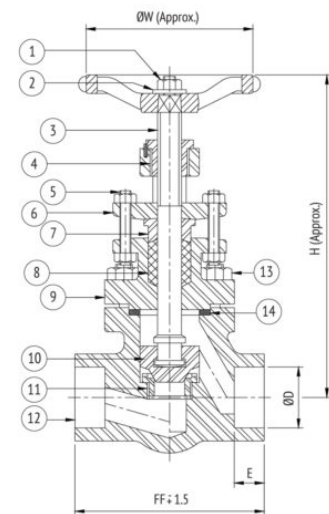
Test Certificate in Form III-C as per IBR is furnished with every supply.

### Suitability

Water, Steam, Oil

### Material Combination

| S.No | Description             | No. | Material                       |
|------|-------------------------|-----|--------------------------------|
| 1    | Handwheel Retaining Nut | 1   | Carbon Steel                   |
| 2    | Handwheel               | 1   | M.I.                           |
| 3    | Stem                    | 1   | Stainless Steel                |
| 4    | Yoke Sleeve             | 1   | Stainless Steel                |
| 5    | Stud Bolts & Nuts       | 1   | Alloy Steel / H.T. Steel       |
| 6    | Gland Flange            | 1   | Forged Carbon Steel            |
| 7    | Gland Follower          | 1   | Stainless Steel                |
| 8    | Gland Packing           | -   | Flexible Graphite              |
| 9    | Bonnet                  | 1   | Forged Carbon Steel            |
| 10   | Disc                    | 1   | Stainless Steel                |
| 11   | Body Seat Ring          | 1   | Stainless Steel                |
| 12   | Body                    | 1   | Forged Carbon Steel            |
| 13   | Stud Bolts & Nuts       | 1   | Alloy Steel / H.T. Steel       |
| 14   | Gasket                  | 1   | Spiral Wound S.S. 304 Graphoil |



### Dimensional Data

| Size (mm) | FF  | H   | ØW  | ØD          | E    |
|-----------|-----|-----|-----|-------------|------|
| 10        | 80  | 140 | 80  | 17.6 / 18.0 | 9.5  |
| 15        | 80  | 153 | 80  | 21.8 / 22.2 | 9.5  |
| 20        | 88  | 157 | 80  | 27.2 / 27.6 | 12.5 |
| 25        | 100 | 176 | 90  | 33.9 / 34.3 | 12.5 |
| 32        | 145 | 240 | 152 | 42.7 / 43.1 | 12.5 |
| 40        | 145 | 240 | 152 | 48.8 / 49.2 | 12.5 |
| 50        | 170 | 275 | 152 | 61.2 / 61.7 | 16   |