



Empowering Progress & Innovation

AV-289 CAST CARBON STEEL GLOBE VALVE, FLANGED ENDS, CLASS-150



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AV-289 CAST CARBON STEEL GLOBE VALVE, FLANGED ENDS, CLASS-150

Features

| | |
|-----------------------------------|---------------------------------------------------------------------------|
| Product Standard | BS 1873 / ASME B16.34 |
| Testing Standard | API-598 |
| Pressure / Class Rating | Class-150 |
| Body Material Cum Standard | Cast Carbon Steel (ASTM A216 Gr. WCB) |
| Product Description | Bolted Bonnet, Outside Screw & Yoke Type, Rising Stem, Handwheel Operated |
| Type of Seat | Renewable Seat |
| Type of Disc | Renewable Disc |
| Trim | 13% Cr. (SS 410) |
| End Details | Flanged Ends as per ASME B16.5 Class-150 Raised Face (Drilled) |
| Test Pressure | Body: 30 Bar (Hyd.), Seat: 22 Bar (Hyd.), Seat: 7 Bar (Air) |
| Max. Working Temperature | 425°C |



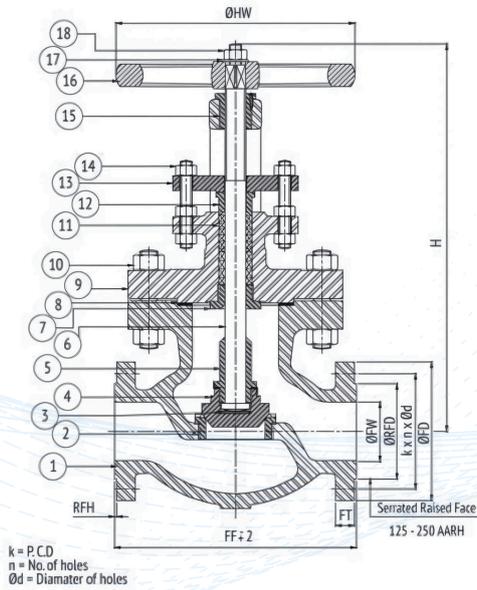
Notes

Test Certificate in Form III-C as per IBR is furnished with every supply. Other trim material combinations are available on request.

Suitability

Water, Steam, Oil

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Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------------|--------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 1 | Body | C.C.S | ASTM A216 Gr. WCB |
| 2 | Body Seat Ring | C.C.S/F.S.S. | ASTM A216 Gr. WCB + 13% Cr. Weld Deposite/ ASTM A182 Gr. F6a |
| 3 | Thrust Plate | Hardened Steel | - |
| 4 | Disc | C.C.S./ C.A.S. / S.S. | ASTM A216 Gr. WCB + 13% Cr. Weld Deposite/ ASTM A217 GR. CA 15/ ASTM A 276 TYPE 410 |
| 5 | Disc Nut | S.S. | ASTM A 276 TYPE 410 |
| 6 | Stem | S.S. | ASTM A 276 TYPE 410 |
| 7 | Back Seat Bush | S.S. | ASTM A 276 TYPE 410 |
| 8 | Gasket | Spiral Wound S.S. 304 Graphoil Filler With Inner Ring (C.S. or S.S. 304) | - |
| 9 | Bonnet | C.C.S. | ASTM A 216 Gr. WCB |
| 10 | Studs & Nuts | Alloy Steel/ H.T Steel | ASTM A193 Gr. B7/ASTM A194 Gr. 2H |
| 11 | Gland Packing | Flexible Graphite | - |
| 12 | Gland Follower | S.S. | ASTM A276 TYPE 410 |
| 13 | Gland Flange | C.C.S./ C.S. | ASTM A216 Gr. WCB/ - |
| 14 | Gland Studs & Nuts | Alloy Steel/ H.T Steel | ASTM A216 Gr. WCB/ - |
| 15 | Yoke Bush | Al. Bronze | BS EN 1982 Gr. CC331G |
| 16 | Handwheel | M.I./ D.I. | ASTM A338/ ASTM A536 Gr. 80-55-06 |
| 17 | Washer | Carbon Steel | - |
| 18 | Nut for Handwheel | Carbon Steel | - |

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Dimensional Data

| Nominal Size (mm) | FF | FT | ØFW | ØRFD | RFH | ØFD | K | n | Ød | ØHW | H |
|-------------------|-----|------|-----|-------|-----|-----|-------|----|------|-----|-----|
| 15 | 108 | 8 | 15 | 34.9 | 2 | 90 | 60.3 | 4 | 5/8" | 100 | 185 |
| 20 | 117 | 9 | 20 | 42.9 | 2 | 100 | 70 | 4 | 5/8" | 100 | 190 |
| 25 | 127 | 9.6 | 25 | 50.8 | 2 | 110 | 79.4 | 4 | 5/8" | 160 | 220 |
| 40 | 165 | 12.7 | 38 | 73 | 2 | 125 | 98.4 | 4 | 5/8" | 203 | 240 |
| 50 | 203 | 14.3 | 51 | 92.1 | 2 | 150 | 120.7 | 4 | 3/4" | 203 | 270 |
| 65 | 216 | 15.9 | 64 | 104.8 | 2 | 180 | 139.7 | 4 | 3/4" | 229 | 310 |
| 80 | 241 | 17.5 | 76 | 127 | 2 | 190 | 152.4 | 4 | 3/4" | 229 | 350 |
| 100 | 292 | 22.3 | 102 | 157.2 | 2 | 230 | 190.5 | 8 | 3/4" | 254 | 400 |
| 125 | 356 | 22.3 | 127 | 185.7 | 2 | 255 | 215.9 | 8 | 7/8" | 254 | 425 |
| 150 | 406 | 23.9 | 152 | 215.9 | 2 | 280 | 241.3 | 8 | 7/8" | 305 | 500 |
| 200 | 495 | 27 | 203 | 269.9 | 2 | 345 | 298.5 | 8 | 7/8" | 457 | 590 |
| 250 | 622 | 28.6 | 254 | 323.8 | 2 | 405 | 362 | 12 | 1" | 560 | 740 |





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