

## AV-509 Investment Casting Stainless Steel (CF8M) Ball Valve, Flanged Ends, Class-150

### Features

|                            |  |
|----------------------------|--|
| Body Material Cum Standard | Cast Stainless Steel (ASTM A351 Gr. CF8M)                      |
| Port Opening               | Full Bore  |
| Product Description        | Three Piece Design, Lever Operated (Blow Out Proof Stem)       |
| Type of Seat               | Renewable Seat   |
| Trim                       | Ball & Stem: Stainless Steel (AISI 316), PTFE Seats            |
| 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)    |
| Application Medium         | Nitric Acid, Acetic Acid                                       |



### Notes

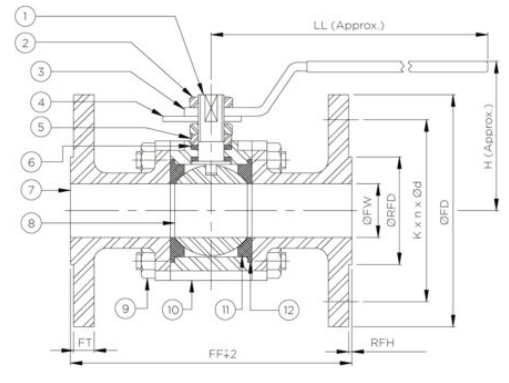
Suitable for steam service with specialized PTFE.  
Can be provided with Glass Filled PTFE, Graphite Blended PTFE & PEEK Seats on request.

### Suitability

Water, Steam, Gas, Oil, Air

### Material Combination

| S.No   | Description            | No.     | Material                  |
|--------|------------------------|---------|---------------------------|
| 1, 2   | Stem, Nut              | 1       | Stainless Steel           |
| 3      | Lever (Plastic Sleeve) | 1       | Carbon Steel              |
| 4      | Stopper                | 1       | Carbon Steel              |
| 5      | Gland                  | 1       | Stainless Steel           |
| 6      | Packing Ring           | -       | PTFE                      |
| 7      | Body Connector         | 2       | Cast Stainless Steel      |
| 8      | Ball                   | 1       | Stainless Steel           |
| 9      | Stud / Bolts & Nuts    | To Suit | Alloy Steel<br>H.T. Steel |
| 10     | Body                   | 1       | Cast Stainless Steel      |
| 11, 12 | Seat, Gasket           | 2       | PTFE                      |



K = P.C.D.  
n = No. OF HOLES  
ød = DIA. OF HOLES  
(Holes are to be spot faced if back face of flange is not possible)

### Dimensional Data

| Size (mm) | Size (inches) | FF  | FT   | øFW | øRFD  | RFH | øFD | K     | n | øD   | LL  | H   |
|-----------|---------------|-----|------|-----|-------|-----|-----|-------|---|------|-----|-----|
| 15        | 1/2"          | 108 | 8    | 11  | 34.9  | 2   | 90  | 60.3  | 4 | 5/8" | 167 | 55  |
| 20        | 3/4"          | 117 | 8.9  | 17  | 42.9  | 2   | 100 | 69.9  | 4 | 5/8" | 167 | 60  |
| 25        | 1"            | 127 | 9.6  | 23  | 50.8  | 2   | 110 | 79.4  | 4 | 5/8" | 180 | 72  |
| 40        | 1.1/2"        | 165 | 12.7 | 37  | 73    | 2   | 125 | 98.4  | 4 | 5/8" | 206 | 90  |
| 50        | 2"            | 178 | 14.3 | 49  | 92.1  | 2   | 150 | 120.7 | 4 | 3/4" | 230 | 100 |
| 65        | 2.1/2"        | 190 | 15.9 | 62  | 104.8 | 2   | 180 | 139.7 | 4 | 3/4" | 400 | 155 |
| 80        | 3"            | 203 | 17.5 | 74  | 127   | 2   | 190 | 152.4 | 4 | 3/4" | 400 | 175 |
| 100       | 4"            | 229 | 22.3 | 98  | 157.2 | 2   | 230 | 190.5 | 8 | 3/4" | 450 | 195 |