

## 1001 Bronze Globe Valve (Screwed)

### Salient Features

- Screwed Female Ends to IS 554 / BS 21 / ISO 7.
- Screwed in Bonnet, Inside Screw, Rising Stem, Integral Seat.
- Designed sheet metal handwheel for a firm grip and convenient operation.
- Premium Quality PTFE Gland Packing.
- Medium Pattern.

Test Pressure (Hydrostatic) :

Shell : 20 kg/cm<sup>2</sup>g (285 psig)

Seat : 13.50 kg/cm<sup>2</sup>g (192 psig)

Maximum Working Temperature : 225°C

### Suitable For

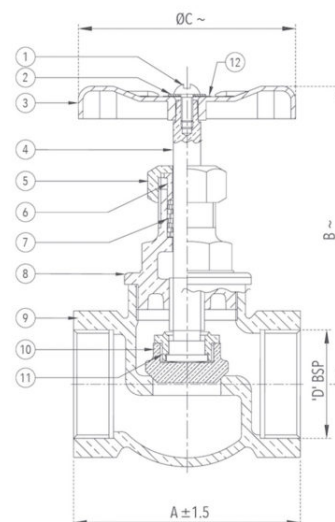
Water, Oil, Air\*, Gases\*

\*Also available with PTFE Seating for Air and Gas applications, at a nominal extra price.



### Materials

| P.No. | Name of Part  | Material of Construction    | Specification   | Quantity |
|-------|---------------|-----------------------------|-----------------|----------|
| 1     | Screw / Bolt  | Carbon Steel (Zinc Plated)  | ---             | 1        |
| 2     | Washer        | Carbon Steel (Zinc Plated)  | ---             | 1        |
| 3     | Handwheel     | Sheet Metal (Powder Coated) | ---             | 1        |
| 4     | Stem          | Forged Brass                | IS 6912 Gr. FLB | 1        |
| 5     | Gland Nut     | Forged Brass                | IS 6912 Gr. FLB | 1        |
| 6     | Gland         | Forged Brass                | IS 6912 Gr. FLB | 1        |
| 7     | Gland Packing | PTFE                        | ---             | -        |
| 8     | Bonnet        | Bronze                      | IS 318 Gr. LTB2 | 1        |
| 9     | Body          | Bronze                      | IS 318 Gr. LTB2 | 1        |
| 10    | Disc          | Bronze                      | IS 318 Gr. LTB2 | 1        |
| 11    | Disc Nut      | Bronze                      | IS 318 Gr. LTB2 | 1        |
| 12    | Name Plate    | Aluminium                   | ---             | 1        |



### Sizes / Dimensions

| Size (Inches) | Size (mm) | A ±1.5 | B ~ | ØC ~ | D      |
|---------------|-----------|--------|-----|------|--------|
| 1/4           | 8         | 33     | 60  | 50   | 1/4"   |
| 3/8           | 10        | 37     | 60  | 50   | 3/8"   |
| 1/2           | 15        | 45     | 70  | 60   | 1/2"   |
| 3/4           | 20        | 53     | 85  | 65   | 3/4"   |
| 1             | 25        | 57     | 93  | 70   | 1"     |
| 1 1/4         | 32        | 71     | 109 | 80   | 1 1/4" |
| 1 1/2         | 40        | 80     | 117 | 90   | 1 1/2" |
| 2             | 50        | 86     | 137 | 110  | 2"     |
| 2 1/2         | 65        | 107    | 154 | 120  | 2 1/2" |
| 3             | 80        | 123    | 184 | 140  | 3"     |
| 4             | 100       | 159    | 224 | 160  | 4"     |

~ ±10

## 1001A Bronze Angle Globe Valve No.4 (Screwed)

### Salient Features

- Angle Pattern.
- Screwed Female Ends to IS 554 / BS 21 / ISO 7.
- Screwed in Bonnet, Inside Screw, Rising Stem, Integral Seat.
- Designed sheet metal handwheel for a firm grip and convenient operation.
- Premium Quality PTFE Gland Packing.
- Medium Pattern.

Test Pressure (Hydrostatic) :  
Shell : 24 kg/cm<sup>2</sup>g (340 psig)  
Seat : 16 kg/cm<sup>2</sup>g (225 psig)  
Maximum Working Temperature : 225°C

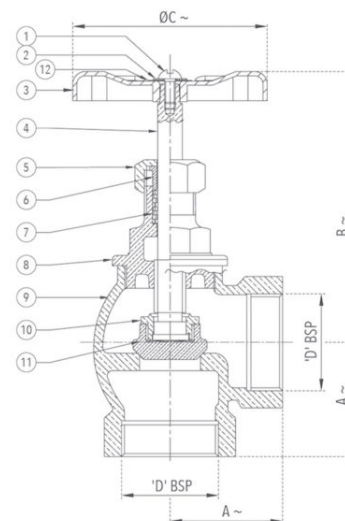
### Suitable For

Water, Oil, Air\*, Gases\*

\*Also available with PTFE Seating for Air and Gas applications, at a nominal extra price.

### Materials

| P.No. | Name of Part  | Material of Construction    | Specification   | Quantity |
|-------|---------------|-----------------------------|-----------------|----------|
| 1     | Screw / Bolt  | Carbon Steel (Zinc Plated)  | ---             | 1        |
| 2     | Washer        | Carbon Steel (Zinc Plated)  | ---             | 1        |
| 3     | Handwheel     | Sheet Metal (Powder Coated) | ---             | 1        |
| 4     | Stem          | Forged Brass                | IS 6912 Gr. FLB | 1        |
| 5     | Gland Nut     | Forged Brass                | IS 6912 Gr. FLB | 1        |
| 6     | Gland         | Forged Brass                | IS 6912 Gr. FLB | 1        |
| 7     | Gland Packing | PTFE                        | ---             | -        |
| 8     | Bonnet        | Bronze                      | IS 318 Gr. LTB2 | 1        |
| 9     | Body          | Bronze                      | IS 318 Gr. LTB2 | 1        |
| 10    | Disc Nut      | Bronze                      | IS 318 Gr. LTB2 | 1        |
| 11    | Disc          | Bronze                      | IS 318 Gr. LTB2 | 1        |
| 12    | Name Plate    | Aluminium                   | ---             | 1        |



### Sizes / Dimensions

| Size (Inches) | Size (mm) | A ~ | B ~ | ØC ~ | D      |
|---------------|-----------|-----|-----|------|--------|
| 1/2           | 15        | 29  | 75  | 60   | 1/2"   |
| 3/4           | 20        | 35  | 82  | 65   | 3/4"   |
| 1             | 25        | 43  | 90  | 70   | 1"     |
| 1 1/4         | 32        | 47  | 115 | 80   | 1 1/4" |
| 1 1/2         | 40        | 54  | 125 | 90   | 1 1/2" |
| 2             | 50        | 66  | 143 | 110  | 2"     |

~ ±10

## 1002 Bronze Globe Valve No.5 (Screwed)

### Salient Features

- Screwed Female Ends to IS 554 / BS 21 / ISO 7.
- Screwed in Bonnet, Inside Screw, Rising Stem, Integral Seat.
- Designed sheet metal handwheel for a firm grip and convenient operation.
- Provision for re-packing under pressure.
- Premium Quality PTFE Gland Packing.
- Heavy Pattern.

Test Pressure (Hydrostatic) :  
Shell : 35 kg/cm<sup>2</sup>g (500 psig)  
Seat : 20 kg/cm<sup>2</sup>g (285 psig)  
Maximum Working Temperature : 225°C

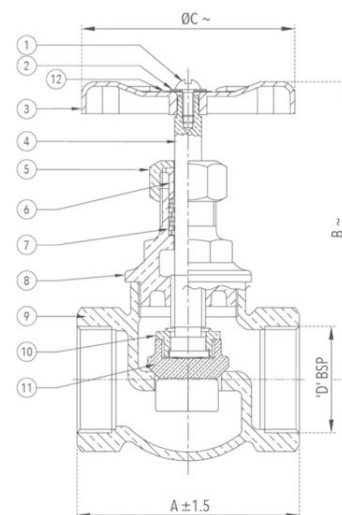
### Suitable For

Water, Oil, Air\*, Gases\*

\*Also available with PTFE Seating for Air and Gas applications, at a nominal extra price.

### Materials

| P.No. | Name of Part  | Material of Construction    | Specification   | Quantity |
|-------|---------------|-----------------------------|-----------------|----------|
| 1     | Screw / Bolt  | Carbon Steel (Zinc Plated)  | ---             | 1        |
| 2     | Washer        | Carbon Steel (Zinc Plated)  | ---             | 1        |
| 3     | Handwheel     | Sheet Metal (Powder Coated) | ---             | 1        |
| 4     | Stem          | Forged Brass                | IS 6912 Gr. FLB | 1        |
| 5     | Gland Nut     | Forged Brass                | IS 6912 Gr. FLB | 1        |
| 6     | Gland         | Forged Brass                | IS 6912 Gr. FLB | 1        |
| 7     | Gland Packing | PTFE                        | ---             | -        |
| 8     | Bonnet        | Bronze                      | IS 318 Gr. LTB2 | 1        |
| 9     | Body          | Bronze                      | IS 318 Gr. LTB2 | 1        |
| 10    | Disc Nut      | Bronze                      | IS 318 Gr. LTB2 | 1        |
| 11    | Disc          | Bronze                      | IS 318 Gr. LTB2 | 1        |
| 12    | Name Plate    | Aluminium                   | ---             | 1        |



### Sizes / Dimensions

| Size (Inches) | Size (mm) | A ±1.5 | B ~ | ØC ~ | D      |
|---------------|-----------|--------|-----|------|--------|
| 1/4           | 8         | 34     | 58  | 60   | 1/4"   |
| 3/8           | 10        | 41     | 72  | 60   | 3/8"   |
| 1/2           | 15        | 55     | 90  | 60   | 1/2"   |
| 3/4           | 20        | 65     | 103 | 65   | 3/4"   |
| 1             | 25        | 82     | 119 | 70   | 1"     |
| 1 1/4         | 32        | 88     | 136 | 70   | 1 1/4" |
| 1 1/2         | 40        | 98     | 147 | 102  | 1 1/2" |
| 2             | 50        | 120    | 162 | 110  | 2"     |
| 2 1/2         | 65        | 133    | 189 | 130  | 2 1/2" |
| 3             | 80        | 160    | 215 | 164  | 3"     |

~ ±10

## 1003 Bronze Globe Valve No.8 (Flanged)

### Salient Features

- Flanged Ends to BS 10 Table 'D'.
- Screwed in Bonnet, Inside Screw, Rising Stem, Integral Seat.
- Designed sheet metal handwheel for a firm grip and convenient operation.
- Premium Quality PTFE Gland Packing.
- Medium Pattern.

Test Pressure (Hydrostatic) :

Shell : 24 kg/cm<sup>2</sup>g (340 psig)

Seat : 16 kg/cm<sup>2</sup>g (225 psig)

Maximum Working Temperature : 225°C

### Suitable For

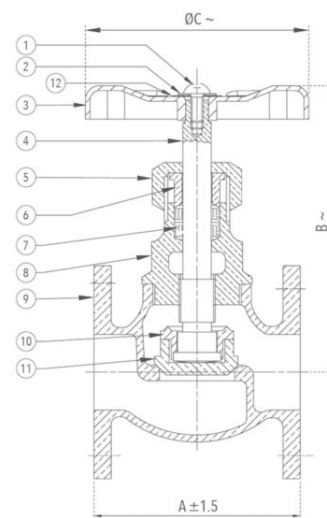
Water, Oil, Air\*, Gases\*

\*Also available with PTFE Seating for Air and Gas applications, at a nominal extra price.



### Materials

| P.No. | Name of Part  | Material of Construction    | Specification   | Quantity |
|-------|---------------|-----------------------------|-----------------|----------|
| 1     | Screw / Bolt  | Carbon Steel (Zinc Plated)  | - - -           | 1        |
| 2     | Washer        | Carbon Steel (Zinc Plated)  | - - -           | 1        |
| 3     | Handwheel     | Sheet Metal (Powder Coated) | - - -           | 1        |
| 4     | Stem          | Forged Brass                | IS 6912 Gr. FLB | 1        |
| 5     | Gland Nut     | Forged Brass                | IS 6912 Gr. FLB | 1        |
| 6     | Gland         | Forged Brass                | IS 6912 Gr. FLB | 1        |
| 7     | Gland Packing | PTFE                        | - - -           | -        |
| 8     | Bonnet        | Bronze                      | IS 318 Gr. LTB2 | 1        |
| 9     | Body          | Bronze                      | IS 318 Gr. LTB2 | 1        |
| 10    | Disc Nut      | Bronze                      | IS 318 Gr. LTB2 | 1        |
| 11    | Disc          | Bronze                      | IS 318 Gr. LTB2 | 1        |
| 12    | Name Plate    | Aluminium                   | - - -           | 1        |



### Sizes / Dimensions

| Size (Inches) | Size (mm) | A ±1.5 | B ~ | ØC ~ |
|---------------|-----------|--------|-----|------|
| 1/2           | 15        | 53     | 85  | 50   |
| 3/4           | 20        | 67     | 90  | 57   |
| 1             | 25        | 80     | 98  | 62   |
| 1 1/4         | 32        | 85     | 115 | 76   |
| 1 1/2         | 40        | 91     | 127 | 80   |
| 2             | 50        | 106    | 140 | 86   |

~ ±10

**NOTE :** Also available with Open-Shut indicator and locking device at a nominal extra price.

## 1005 Bronze Needle Valve (Screwed)

### Salient Features

- Screwed Female Ends to IS 554 / BS 21 / ISO 7.
- Screwed in Bonnet, Inside Screw, Rising Stem, Integral Seat.
- Designed sheet metal handwheel for a firm grip and convenient operation.
- Needle Type Spindle Seating.
- Premium Quality PTFE Gland Packing.
- Medium Pattern.

Test Pressure (Hydrostatic) :  
Shell : 24 kg/cm<sup>2</sup>g (340 psig)  
Seat : 16 kg/cm<sup>2</sup>g (225 psig)  
Maximum Working Temperature : 225°C

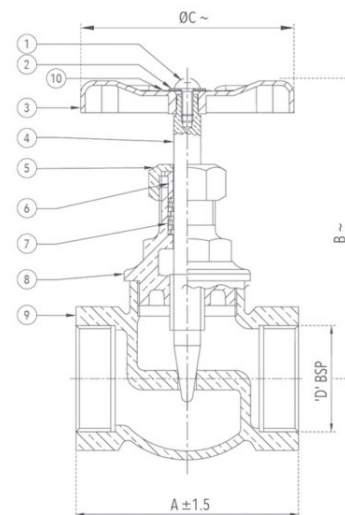
### Suitable For

Air, Gases



### Materials

| P.No. | Name of Part  | Material of Construction    | Specification   | Quantity |
|-------|---------------|-----------------------------|-----------------|----------|
| 1     | Screw / Bolt  | Carbon Steel (Zinc Plated)  | ---             | 1        |
| 2     | Washer        | Carbon Steel (Zinc Plated)  | ---             | 1        |
| 3     | Handwheel     | Sheet Metal (Powder Coated) | ---             | 1        |
| 4     | Stem          | Forged Brass                | IS 6912 Gr. FLB | 1        |
| 5     | Gland Nut     | Forged Brass                | IS 6912 Gr. FLB | 1        |
| 6     | Gland         | Forged Brass                | IS 6912 Gr. FLB | 1        |
| 7     | Gland Packing | PTFE                        | ---             | -        |
| 8     | Bonnet        | Bronze                      | IS 318 Gr. LTB2 | 1        |
| 9     | Body          | Bronze                      | IS 318 Gr. LTB2 | 1        |
| 10    | Name Plate    | Aluminium                   | ---             | 1        |



### Sizes / Dimensions

| Size (Inches) | Size (mm) | A ±1.5 | B ~ | ØC ~ | D      |
|---------------|-----------|--------|-----|------|--------|
| 1/2           | 15        | 48     | 85  | 60   | 1/2"   |
| 3/4           | 20        | 55     | 92  | 65   | 3/4"   |
| 1             | 25        | 65     | 100 | 70   | 1"     |
| 1 1/4         | 32        | 77     | 110 | 80   | 1 1/4" |
| 1 1/2         | 40        | 90     | 125 | 90   | 1 1/2" |
| 2             | 50        | 102    | 142 | 110  | 2"     |

~ ±10

## 1013 Bronze Horizontal Check Valve No.9 (Screwed)

### Salient Features

- Screwed Female Ends to IS 554 / BS 21 / ISO 7.
- Screwed on Bonnet.
- Permits flow in one direction and closes automatically if the flow reverses.
- Renewable 13% Cr. Stainless Steel (S.S 410) working parts.
- Metal Disc is mushroom shaped with spherical seating surface.
- Meant for Horizontal Lines Only.
- Disc is guided in Bonnet.

Test Pressure (Hydrostatic) :

Shell : 35 kg/cm<sup>2</sup>g (500 psig)

Working Pressure (Steam) : 10.55 kg/cm<sup>2</sup>g (150 psig)

Maximum Working Temperature : 225°C

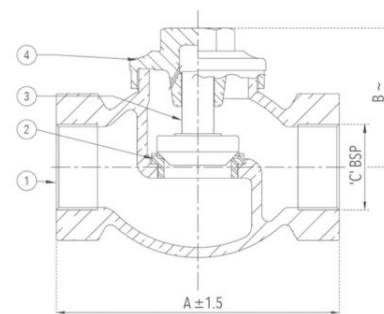
### Suitable For

Steam, Water, Oil, Air\*, Gases\*

\*Also available with PTFE Seating for Air and Gas applications, at a nominal extra price.

### Materials

| P.No. | Name of Part   | Material of Construction | Specification      | Quantity |
|-------|----------------|--------------------------|--------------------|----------|
| 1     | Body           | Bronze                   | IS 318 Gr. LTB 2   | 1        |
| 2     | Body Seat Ring | Stainless Steel          | ASTM A276 Type 410 | 1        |
| 3     | Disc           | Stainless Steel          | ASTM A276 Type 410 | 1        |
| 4     | Bonnet         | Bronze                   | IS 318 Gr. LTB 2   | 1        |



### Sizes / Dimensions

| Size (Inches) | Size (mm) | A ±1.5 | B ~ | C      |
|---------------|-----------|--------|-----|--------|
| 1/4           | 8         | 60     | 40  | 1/4"   |
| 3/8           | 10        | 60     | 43  | 3/8"   |
| 1/2           | 15        | 68     | 48  | 1/2"   |
| 3/4           | 20        | 84     | 50  | 3/4"   |
| 1             | 25        | 95     | 61  | 1"     |
| 1 1/4         | 32        | 106    | 72  | 1 1/4" |
| 1 1/2         | 40        | 120    | 84  | 1 1/2" |
| 2             | 50        | 146    | 93  | 2"     |
| 2 1/2         | 65        | 180    | 109 | 2 1/2" |
| 3             | 80        | 200    | 121 | 3"     |
| 4             | 100       | 248    | 146 | 4"     |

~ ±10

## 1014 Bronze Horizontal Check Valve No.9 (Flanged)

### Salient Features

- Flanged Ends to BS 10 Table 'F'.
- Screwed on Bonnet.
- Permits flow in one direction and closes automatically if the flow reverses.
- Renewable 13% Cr. Stainless Steel (S.S 410) working parts.
- Metal Disc is mushroom shaped with spherical seating surface.
- Meant for Horizontal Lines Only.
- Disc is guided in Bonnet.

Test Pressure (Hydrostatic) :

Shell : 35 kg/cm<sup>2</sup>g (500 psig)

Working Pressure (Steam) : 10.55 kg/cm<sup>2</sup>g (150 psig)

Maximum Working Temperature : 225°C

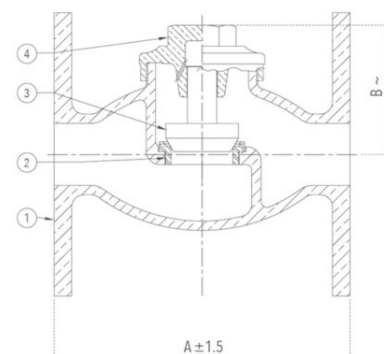
### Suitable For

Steam, Water, Oil, Air\*, Gases\*

\*Also available with PTFE Seating for Air and Gas applications, at a nominal extra price.

### Materials

| P.No. | Name of Part   | Material of Construction | Specification      | Quantity |
|-------|----------------|--------------------------|--------------------|----------|
| 1     | Body           | Bronze                   | IS 318 Gr. LTB 2   | 1        |
| 2     | Body Seat Ring | Stainless Steel          | ASTM A276 Type 410 | 1        |
| 3     | Disc           | Stainless Steel          | ASTM A276 Type 410 | 1        |
| 4     | Bonnet         | Bronze                   | IS 318 Gr. LTB 2   | 1        |



### Sizes / Dimensions

| Size (Inches) | Size (mm) | A ±1.5 | B ~ |
|---------------|-----------|--------|-----|
| 1/2           | 15        | 82     | 48  |
| 3/4           | 20        | 96     | 50  |
| 1             | 25        | 112    | 61  |
| 1 1/4         | 32        | 119    | 72  |
| 1 1/2         | 40        | 132    | 84  |
| 2             | 50        | 157    | 93  |
| 2 1/2         | 65        | 185    | 109 |
| 3             | 80        | 213    | 121 |
| 4             | 100       | 248    | 146 |

~ ±10



## 1031 Bronze Union Bonnet Globe Valve (Screwed)

### Salient Features

- Screwed Female Ends to IS 554 / BS 21 / ISO 7.
- Screwed on Bonnet, Rising Stem.
- Provision for re-packing under pressure.
- Renewable 13% Cr. Stainless Steel (S.S 410) working parts.
- Handwheel Operated.

Test Pressure (Hydrostatic) :

Shell : 35 kg/cm<sup>2</sup>g (500 psig)

Working Pressure (Steam) : 10.55 kg/cm<sup>2</sup>g (150 psig)

Maximum Working Temperature : 225°C

### Suitable For

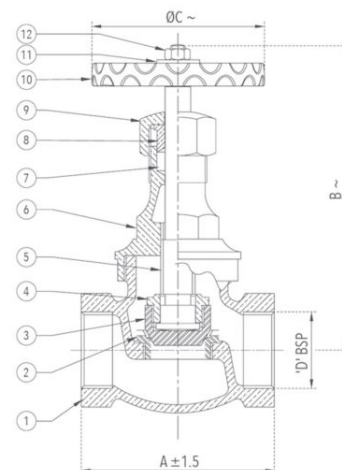
Steam, Water, Oil, Air\*, Gases\*

\*Also available with PTFE Seating for Air and Gas applications, at a nominal extra price.



### Materials

| P.No. | Name of Part   | Material of Construction | Specification      | Quantity |
|-------|----------------|--------------------------|--------------------|----------|
| 1     | Body           | Bronze                   | IS 318 Gr. LTB 2   | 1        |
| 2     | Body Seat Ring | Stainless Steel          | ASTM A276 Type 410 | 1        |
| 3     | Disc           | Stainless Steel          | ASTM A276 Type 410 | 1        |
| 4     | Disc Nut       | Bronze                   | IS 318 Gr. LTB 2   | 1        |
| 5     | Stem           | Stainless Steel          | ASTM A276 Type 410 | 1        |
| 6     | Bonnet         | Bronze                   | IS 318 Gr. LTB 2   | 1        |
| 7     | Gland Packing  | Asbestos                 | ---                | -        |
| 8     | Gland          | Bronze                   | IS 318 Gr. LTB 2   | 1        |
| 9     | Gland Nut      | Bronze                   | IS 318 Gr. LTB 2   | 1        |
| 10    | Handwheel      | Cast Iron                | IS 210 Gr. FG 200  | 1        |
| 11    | Washer         | Carbon Steel             | ---                | 1        |
| 12    | Nut            | Carbon Steel             | ---                | 1        |



### Sizes / Dimensions

| Size (Inches) | Size (mm) | A ±1.5 | B ~ | ØC ~ | D      |
|---------------|-----------|--------|-----|------|--------|
| 1/4           | 8         | 60     | 110 | 70   | 1/4"   |
| 3/8           | 10        | 60     | 110 | 70   | 3/8"   |
| 1/2           | 15        | 68     | 117 | 70   | 1/2"   |
| 3/4           | 20        | 84     | 132 | 80   | 3/4"   |
| 1             | 25        | 95     | 148 | 86   | 1"     |
| 1 1/4         | 32        | 106    | 176 | 102  | 1 1/4" |
| 1 1/2         | 40        | 120    | 188 | 115  | 1 1/2" |
| 2             | 50        | 146    | 216 | 127  | 2"     |
| 2 1/2         | 65        | 180    | 248 | 170  | 2 1/2" |
| 3             | 80        | 200    | 270 | 170  | 3"     |
| 4             | 100       | 248    | 332 | 190  | 4"     |

~ ±10



## 1032 Bronze Union Bonnet Globe Valve (Flanged)

### Salient Features

- Flanged Ends to BS 10 Table 'F'.
- Screwed on Bonnet, Rising Stem.
- Provision for re-packing under pressure.
- Renewable 13% Cr. Stainless Steel (S.S 410) working parts.
- Handwheel Operated.

Test Pressure (Hydrostatic) :

Shell : 35 kg/cm<sup>2</sup>g (500 psig)

Working Pressure (Steam) : 10.55 kg/cm<sup>2</sup>g (150 psig)

Maximum Working Temperature : 225°C

### Suitable For

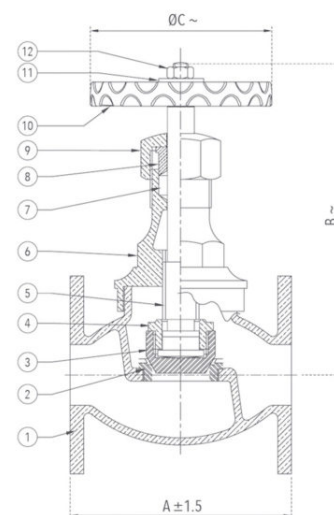
Steam, Water, Oil, Air\*, Gases\*

\*Also available with PTFE Seating for Air and Gas applications, at a nominal extra price.



### Materials

| P.No. | Name of Part   | Material of Construction | Specification      | Quantity |
|-------|----------------|--------------------------|--------------------|----------|
| 1     | Body           | Bronze                   | IS 318 Gr. LTB 2   | 1        |
| 2     | Body Seat Ring | Stainless Steel          | ASTM A276 Type 410 | 1        |
| 3     | Disc           | Stainless Steel          | ASTM A276 Type 410 | 1        |
| 4     | Disc Nut       | Bronze                   | IS 318 Gr. LTB 2   | 1        |
| 5     | Stem           | Stainless Steel          | ASTM A276 Type 410 | 1        |
| 6     | Bonnet         | Bronze                   | IS 318 Gr. LTB 2   | 1        |
| 7     | Gland Packing  | Asbestos                 | ---                | -        |
| 8     | Gland          | Bronze                   | IS 318 Gr. LTB 2   | 1        |
| 9     | Gland Nut      | Bronze                   | IS 318 Gr. LTB 2   | 1        |
| 10    | Hand Wheel     | Cast Iron                | IS 210 Gr. FG 200  | 1        |
| 11    | Washer         | Carbon Steel             | ---                | 1        |
| 12    | Nut            | Carbon Steel             | ---                | 1        |



### Sizes / Dimensions

| Size (Inches) | Size (mm) | A ±1.5 | B ~ | ØC ~ |
|---------------|-----------|--------|-----|------|
| 1/2           | 15        | 82     | 117 | 70   |
| 3/4           | 20        | 96     | 132 | 80   |
| 1             | 25        | 112    | 148 | 86   |
| 1 1/4         | 32        | 119    | 176 | 102  |
| 1 1/2         | 40        | 132    | 188 | 115  |
| 2             | 50        | 157    | 216 | 127  |
| 2 1/2         | 65        | 185    | 248 | 170  |
| 3             | 80        | 213    | 270 | 170  |
| 4             | 100       | 248    | 332 | 190  |

~ ±10

## 1053A Forged Brass Y-Type Strainer (Screwed) PN 25

### Salient Features

- Screwed Female Ends to BSP.
- Stainless Steel (S.S 304) Ø1 mm perforated sheet screen is guided in the body and cover.
- Fine finish and smooth contours reduce pressure drop in the strainer.
- Large screening area makes the strainer efficient in performance.

Test Pressure (Hydrostatic) :

Shell : 35 kg/cm<sup>2</sup>g (500 psig)

Working Pressure : 25 kg/cm<sup>2</sup>g (350 psig)

### Suitable For

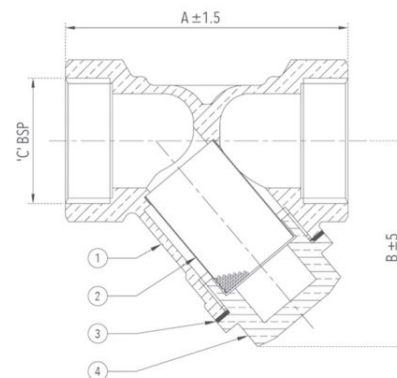
Steam\*, Water, Oil, Air\*, Gases\*

\*Suitable for pressure upto 6.9 kg/cm<sup>2</sup>g (100 psig)



### Materials

| P.No. | Name of Part               | Material of Construction | Specification   | Quantity |
|-------|----------------------------|--------------------------|-----------------|----------|
| 1     | Body                       | Forged Brass             | IS 6912 Gr. FLB | 1        |
| 2     | Screen (Ø1 mm Perforation) | Stainless Steel          | Type 304        | 1        |
| 3     | Gasket                     | PTFE                     | BS EN 12086-1   | 1        |
| 4     | Cover                      | Forged Brass             | IS 6912 Gr. FLB | 1        |



### Sizes / Dimensions

| Size (Inches) | Size (mm) | A ±1.5 | B ±5 | C      |
|---------------|-----------|--------|------|--------|
| 1/2           | 15        | 54     | 45   | 1/2"   |
| 3/4           | 20        | 67.5   | 56   | 3/4"   |
| 1             | 25        | 75     | 56   | 1"     |
| 1 1/4         | 32        | 94     | 73   | 1 1/4" |
| 1 1/2         | 40        | 100    | 80   | 1 1/2" |
| 2             | 50        | 126    | 99   | 2"     |

## 1074 Forged Steel Globe Valve, Class-800 (Standard Bore) I.B.R

### Salient Features

- Design Standard API 602 / BSEN ISO 15761 (BS 5352).
- Body and Bonnet are Phosphated, to ensure maximum resistance from rust.
- Bolted Bonnet, Outside Screw, Yoke Type, Rising Stem.
- Screwed Female Ends to BSPT / NPT / Socket Welded to ANSI B16.11.

Test Pressure :

Shell (Hydrostatic) : 207 bar (3000 psig)

Seat & Back Seat (Hydrostatic) : 152 bar (2200 psig)

Seat (Pneumatic) : 6.9 bar (100 psig)

Maximum Working Temperature : 425°C

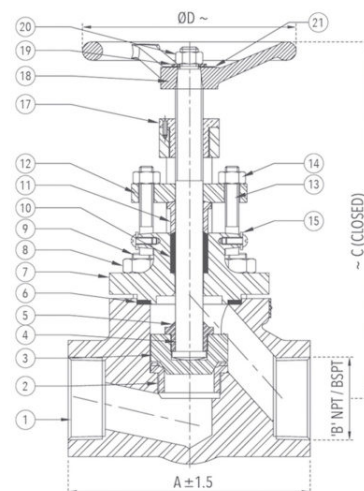
### Suitable For

Steam, Water, Oil, Air, Gases



### Materials

| P.No. | Name of Part         | Material of Construction                       | Specification                            | Qty. |
|-------|----------------------|------------------------------------------------|------------------------------------------|------|
| 1     | Body                 | Forged Carbon Steel                            | ASTM A 105                               | 1    |
| 2     | Body Seat Ring       | Stainless Steel                                | ASTM A 276 Type 410 / ASTM A 182 Gr. F6a | 1    |
| 3     | Disc                 | Stainless Steel                                | ASTM A 276 Type 410                      | 1    |
| 4     | Stem                 | Stainless Steel                                | ASTM A 276 Type 410 / ASTM A 182 Gr. F6a | 1    |
| 5     | Check Nut            | Stainless Steel                                | ASTM A 276 Type 410                      | 1    |
| 6     | Gasket               | Spiral Wound S.S (Type 316) Graphite Filled    | ---                                      | 1    |
| 7     | Bonnet               | Forged Carbon Steel                            | ASTM A 105                               | 1    |
| 8     | Bonnet Nut           | Alloy Steel                                    | ASTM A 194 Gr. 2H                        | 4    |
| 9     | Stud                 | Alloy Steel                                    | ASTM A 193 Gr. B7                        | 4    |
| 10    | Gland Packing        | Non Asbestos Graphite With Corrosion Inhibitor | ---                                      |      |
| 11    | Gland                | Stainless Steel                                | ASTM A 276 Type 410                      | 1    |
| 12    | Gland Flange         | Carbon Steel                                   | ---                                      | 1    |
| 13    | Eye Bolt             | Stainless Steel                                | ASTM A 276 Type 410 / ASTM A 182 Gr. F6a | 2    |
| 14    | Nut                  | Alloy Steel                                    | ASTM A 194 Gr. 2H                        | 2    |
| 15    | Washer               | Carbon Steel                                   | ---                                      | 2    |
| 16    | Screw                | Carbon Steel                                   | ---                                      | 2    |
| 17    | Yoke Bush            | Aluminium Bronze                               | BS EN 1982 AB - 1                        | 1    |
| 18    | Handwheel            | Ductile Iron                                   | ASTM A536 / IS 1865                      | 1    |
| 19    | Washer               | Carbon Steel                                   | ---                                      | 1    |
| 20    | Handwheel Nut        | Carbon Steel                                   | ---                                      | 1    |
| 21    | Identification Plate | Aluminium                                      | ---                                      | 1    |



### Sizes / Dimensions

| Size (Inches) | Size (mm) | A ±1.5 | B      | C ~ | ØD ~ |
|---------------|-----------|--------|--------|-----|------|
| 1/2           | 15        | 85     | 1/2"   | 156 | 95   |
| 3/4           | 20        | 86     | 3/4"   | 156 | 95   |
| 1             | 25        | 101    | 1"     | 183 | 95   |
| 1 1/4         | 32        | 140    | 1 1/4" | 250 | 155  |
| 1 1/2         | 40        | 140    | 1 1/2" | 250 | 155  |
| 2             | 50        | 164    | 2"     | 250 | 155  |

~ ±10

## 1074A Forged Steel Globe Valve, Class-800 (Full Bore) I.B.R

### Salient Features

- Design Standard API 602 / BS EN ISO 15761 (BS 5352).
- Body and Bonnet are Phosphated, to ensure maximum resistance from rust.
- Bolted Bonnet, Outside Screw, Yoke Type, Rising Stem.
- Screwed Female Ends to BSPT / NPT / Socket Welded to ANSI B16.11.

#### Test Pressure :

Shell (Hydrostatic) : 207 bar (3000 psig)

Seat & Back Seat(Hydrostatic) : 152 bar (2200 psig)

Seat (Pneumatic) : 6.9 bar (100 psig)

Maximum Working Temperature : 425°C

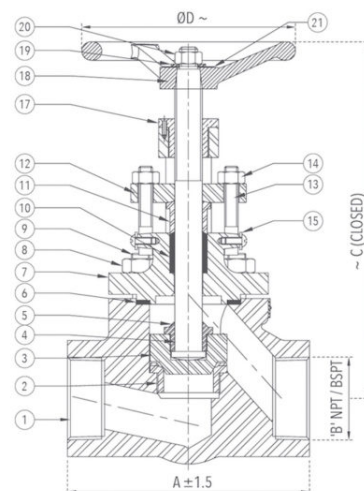
#### Suitable For

Steam, Water, Oil, Air, Gases



### Materials

| P.No. | Name of Part         | Material of Construction                       | Specification                            | Qty. |
|-------|----------------------|------------------------------------------------|------------------------------------------|------|
| 1     | Body                 | Forged Carbon Steel                            | ASTM A 105                               | 1    |
| 2     | Body Seat Ring       | Stainless Steel                                | ASTM A 276 Type 410 / ASTM A 182 Gr. F6a | 1    |
| 3     | Disc                 | Stainless Steel                                | ASTM A 276 Type 410                      | 1    |
| 4     | Stem                 | Stainless Steel                                | ASTM A 276 Type 410 / ASTM A 182 Gr. F6a | 1    |
| 5     | Check Nut            | Stainless Steel                                | ASTM A 276 Type 410                      | 1    |
| 6     | Gasket               | Spiral Wound S.S (Type 316) Graphite Filled    | ---                                      | 1    |
| 7     | Bonnet               | Forged Carbon Steel                            | ASTM A 105                               | 1    |
| 8     | Bonnet Nut           | Alloy Steel                                    | ASTM A 194 Gr. 2H                        | 4    |
| 9     | Stud                 | Alloy Steel                                    | ASTM A 193 Gr. B7                        | 4    |
| 10    | Gland Packing        | Non Asbestos Graphite With Corrosion Inhibitor | ---                                      |      |
| 11    | Gland                | Stainless Steel                                | ASTM A 276 Type 410                      | 1    |
| 12    | Gland Flange         | Carbon Steel                                   | ---                                      | 1    |
| 13    | Eye Bolt             | Stainless Steel                                | ASTM A 276 Type 410 / ASTM A 182 Gr. F6a | 2    |
| 14    | Nut                  | Alloy Steel                                    | ASTM A 194 Gr. 2H                        | 2    |
| 15    | Washer               | Carbon Steel                                   | ---                                      | 2    |
| 16    | Screw                | Carbon Steel                                   | ---                                      | 2    |
| 17    | Yoke Bush            | Aluminium Bronze                               | BS EN 1982 AB - 1                        | 1    |
| 18    | Handwheel            | Ductile Iron                                   | ASTM A536 / IS 1865                      | 1    |
| 19    | Washer               | Carbon Steel                                   | ---                                      | 1    |
| 20    | Handwheel Nut        | Carbon Steel                                   | ---                                      | 1    |
| 21    | Identification Plate | Aluminium                                      | ---                                      | 1    |



### Sizes / Dimensions

| Size (Inches) | Size (mm) | A ±1.5 | B      | C ~ | ØD ~ |
|---------------|-----------|--------|--------|-----|------|
| 3/8           | 10        | 85     | 3/8"   | 156 | 95   |
| 1/2           | 15        | 86     | 1/2"   | 156 | 95   |
| 3/4           | 20        | 101    | 3/4"   | 183 | 95   |
| 1             | 25        | 140    | 1"     | 250 | 155  |
| 1 1/4         | 32        | 140    | 1 1/4" | 250 | 155  |
| 1 1/2         | 40        | 164    | 1 1/2" | 250 | 155  |

~ ±10

## 1080A Stainless Steel (CF8M / S.S 316) Three Piece Design Ball Valve, Class-150 (Screwed)

### Salient Features

- Design Standard BS EN ISO 17292 (BS 5351).
- Screwed Female Ends to BSPT / NPT / Socket Weld.
- Reduced Bore, Three Piece Design.
- Superb in Quality and Performance.

Test Pressure (Hydrostatic) :

Shell : 31 kg/cm<sup>2</sup>g (440 psig)

Maximum Working Pressure : 21 kg/cm<sup>2</sup>g (300 psig)

Seat (Pneumatic) : 7kg/cm<sup>2</sup>g (100 psig)

Maximum Working Temperature : 220°C

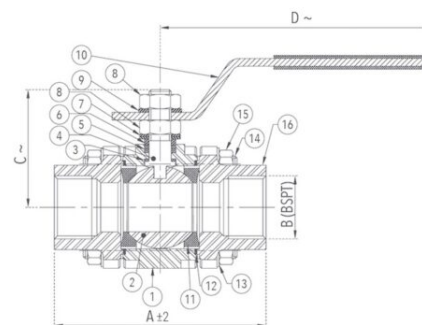
### Suitable For

Steam, Water, Oil, Air, Gases



### Materials

| P.No. | Name of Part   | Material of Construction | Specification                            | Qty. |
|-------|----------------|--------------------------|------------------------------------------|------|
| 1     | Body           | Stainless Steel          | ASTM A 351 Gr. CF8M                      | 1    |
| 2     | Ball           | Stainless Steel          | ASTM A276 Type 316 / ASTM A 351 Gr. CF8M | 1    |
| 3     | Thrust Washer  | PTFE 35% Carbon Filled   | ---                                      | 1    |
| 4     | Stem           | Stainless Steel          | ASTM A276 Type 316                       | 1    |
| 5     | Packing Ring   | PTFE 35% Carbon Filled   | ---                                      | 2    |
| 6     | Gland          | Stainless Steel          | ASTM A276 Type 304                       | 1    |
| 7     | Cup Washer     | Stainless Steel          | ASTM A276 Type 304                       | 2    |
| 8     | Nut            | H.T. Steel               | ASTM A 194 Gr. 2H                        | 2    |
| 9     | Spring Washer  | Spring Steel             | EN 47 Gr. B                              | 1    |
| 10    | Lever          | Carbon Steel             | ---                                      | 1    |
| 11    | Body Seat Ring | PTFE                     | ---                                      | 2    |
| 12    | Gasket         | PTFE                     | ---                                      | 2    |
| 13    | Spring Washer  | Spring Steel             | EN 47 Gr. B                              | 8    |
| 14    | Studs          | Alloy Steel              | ASTM A 193 Gr. B7                        | 4    |
| 15    | Nuts           | H.T Steel                | ASTM A 194 Gr. 2H                        | 8    |
| 16    | End Connector  | Stainless Steel          | ASTM A 351 Gr. CF8M                      | 2    |



### Sizes / Dimensions

| Size (Inches) | Size (mm) | A ±2 | B      | C ~ | D ~ |
|---------------|-----------|------|--------|-----|-----|
| 1/2           | 15        | 69   | 1/2"   | 38  | 112 |
| 3/4           | 20        | 73   | 3/4"   | 40  | 125 |
| 1             | 25        | 95   | 1"     | 57  | 168 |
| 1 1/4         | 32        | 105  | 1 1/4" | 65  | 168 |
| 1 1/2         | 40        | 115  | 1 1/2" | 75  | 177 |
| 2             | 50        | 128  | 2"     | 80  | 220 |

~ ±10



## 1080B Stainless Steel (CF8M / S.S 316) Three Piece Design Ball Valve, Class-150 (Flanged)

### Salient Features

- Design Standard BS EN ISO 17292 (BS 5351).
- Flanged Ends to ASME B B16.5 Class - 150 (Drilled).
- Three Piece Design.
- Superb in Quality and Performance.

Test Pressure (Hydrostatic) :

Shell : 31 kg/cm<sup>2</sup>g (440 psig)

Maximum Working Pressure : 21 kg/cm<sup>2</sup>g (300 psig)

Seat (Pneumatic) : 7 kg/cm<sup>2</sup>g (100 psig)

Maximum Working Temperature : 220°C

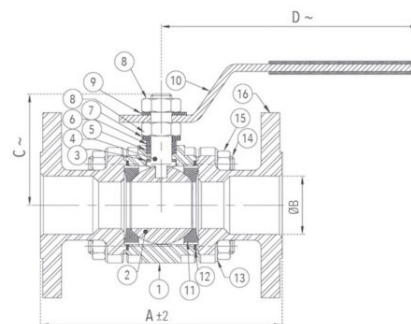
### Suitable For

Steam, Water, Oil, Air, Gases



### Materials

| P.No. | Name of Part   | Material of Construction | Specification                             | Qty. |
|-------|----------------|--------------------------|-------------------------------------------|------|
| 1     | Body           | Stainless Steel          | ASTM A 351 Gr. CF8M                       | 1    |
| 2     | Ball           | Stainless Steel          | ASTM A 276 Type 316 / ASTM A 351 Gr. CF8M | 1    |
| 3     | Thrust Washer  | PTFE 35% Carbon Filled   | ---                                       | 1    |
| 4     | Stem           | Stainless Steel          | ASTM A 276 Type 316                       | 1    |
| 5     | Packing Ring   | PTFE 35% Carbon Filled   | ---                                       | 2    |
| 6     | Gland          | Stainless Steel          | ASTM A 276 Type 316                       | 1    |
| 7     | Cup Washer     | Stainless Steel          | AISI A276 Type 316                        | 2    |
| 8     | Nut            | H.T. Steel               | ASTM A 194 Gr. 2H                         | 2    |
| 9     | Spring Washer  | Spring Steel             | EN 47 Gr. B                               | 1    |
| 10    | Lever          | Carbon Steel             | ---                                       | 1    |
| 11    | Body Seat Ring | PTFE                     | ---                                       | 2    |
| 12    | Gasket         | PTFE                     | ---                                       | 2    |
| 13    | Spring Washer  | Spring Steel             | EN 47 Gr. B                               | 8    |
| 14    | Studs          | Alloy Steel              | ASTM A 193 Gr. B7                         | 4    |
| 15    | Nuts           | H.T Steel                | ASTM A 194 Gr. 2H                         | 8    |
| 16    | End Connector  | Stainless Steel          | ASTM A 351 Gr. CF8M                       | 2    |



### Sizes / Dimensions

| Size (Inches) | Size (mm) | A ±2 | B    | C ~ | D ~ |
|---------------|-----------|------|------|-----|-----|
| 1/2           | 15        | 108  | 15   | 38  | 150 |
| 3/4           | 20        | 117  | 20   | 40  | 150 |
| 1             | 25        | 127  | 25   | 57  | 160 |
| 1 1/4         | 32        | 140  | 32   | 65  | 160 |
| 1 1/2         | 40        | 165  | 40   | 75  | 202 |
| 2             | 50        | 178  | 50   | 75  | 202 |
| 2 1/2*        | 65        | 191  | 63.5 | 125 | 250 |
| 3*            | 80        | 203  | 76   | 137 | 335 |
| 4*            | 100       | 229  | 100  | 158 | 335 |

~ ±10

\*Full Bore

## 1081 Stainless Steel (CF8 / S.S 304) Three Piece Design Ball Valve, Class-150 (Screwed)

### Salient Features

- Design Standard BS EN ISO 17292 (BS 5351).
- Screwed Female Ends to BSPT / NPT / Socket Weld.
- Reduced Bore, Three Piece Design.
- Superb in Quality and Performance.

Test Pressure (Hydrostatic) :

Shell : 31 kg/cm<sup>2</sup>g (440 psig)

Maximum Working Pressure : 21 kg/cm<sup>2</sup>g (300 psig)

Seat (Pneumatic) : 7kg/cm<sup>2</sup>g (100 psig)

Maximum Working Temperature : 220°C

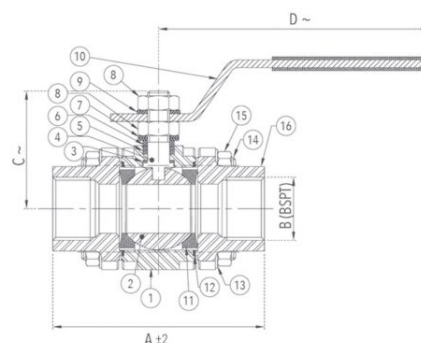
### Suitable For

Steam, Water, Oil, Air, Gases



### Materials

| P.No. | Name of Part   | Material of Construction | Specification                           | Qty. |
|-------|----------------|--------------------------|-----------------------------------------|------|
| 1     | Body           | Stainless Steel          | ASTM A 351 Gr. CF8                      | 1    |
| 2     | Ball           | Stainless Steel          | ASTM A276 Type 304 / ASTM A 351 Gr. CF8 | 1    |
| 3     | Thrust Washer  | PTFE 35% Carbon Filled   | ---                                     | 1    |
| 4     | Stem           | Stainless Steel          | ASTM A276 Type 316                      | 1    |
| 5     | Packing Ring   | PTFE 35% Carbon Filled   | ---                                     | 2    |
| 6     | Gland          | Stainless Steel          | ASTM A276 Type 304                      | 1    |
| 7     | Cup Washer     | Stainless Steel          | ASTM A276 Type 304                      | 2    |
| 8     | Nut            | H.T Steel                | ASTM A 194 Gr. 2H                       | 2    |
| 9     | Spring Washer  | Spring Steel             | EN 47 Gr. B                             | 1    |
| 10    | Lever          | Carbon Steel             | ---                                     | 1    |
| 11    | Body Seat Ring | PTFE                     | ---                                     | 2    |
| 12    | Gasket         | PTFE                     | ---                                     | 2    |
| 13    | Spring Washer  | Spring Steel             | EN 47 Gr. B                             | 8    |
| 14    | Studs          | Alloy Steel              | ASTM A 193 Gr. B7                       | 4    |
| 15    | Nuts           | H.T Steel                | ASTM A 194 Gr. 2H                       | 8    |
| 16    | End Connector  | Stainless Steel          | ASTM A 351 Gr. CF8                      | 2    |



### Sizes / Dimensions

| Size (Inches) | Size (mm) | A ±2 | B      | C ~ | D ~ |
|---------------|-----------|------|--------|-----|-----|
| 1/2           | 15        | 69   | 1/2"   | 38  | 112 |
| 3/4           | 20        | 73   | 3/4"   | 40  | 125 |
| 1             | 25        | 95   | 1"     | 57  | 168 |
| 1 1/4         | 32        | 105  | 1 1/4" | 65  | 168 |
| 1 1/2         | 40        | 115  | 1 1/2" | 75  | 177 |
| 2             | 50        | 128  | 2"     | 80  | 220 |

~ ±10

## 1081A Stainless Steel (CF8 / S.S-304) Three Piece Design Ball Valve, Class-150 (Flanged)

### Salient Features

- Design Standard BS EN ISO 17292 (BS 5351).
- Flanged Ends to ASME B B16.5 Class-150 (Drilled).
- Three Piece Design.
- Superb in Quality and Performance.

Test Pressure (Hydrostatic) :

Shell : 31 kg/cm<sup>2</sup>g (440 psig)

Maximum Working Pressure : 21 kg/cm<sup>2</sup>g (300 psig)

Seat (Pneumatic) : 7 kg/cm<sup>2</sup>g (100 psig)

Maximum Working Temperature : 220°C

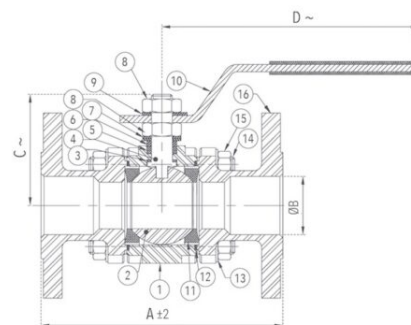
### Suitable For

Steam, Water, Oil, Air, Gases



### Materials

| P.No. | Name of Part   | Material of Construction | Specification                            | Qty. |
|-------|----------------|--------------------------|------------------------------------------|------|
| 1     | Body           | Stainless Steel          | ASTM A 351 Gr. CF8                       | 1    |
| 2     | Ball           | Stainless Steel          | ASTM A 276 Type 304 / ASTM A 351 Gr. CF8 | 1    |
| 3     | Thrust Washer  | PTFE 35% Carbon Filled   | ---                                      | 1    |
| 4     | Stem           | Stainless Steel          | ASTM A 276 Type 316                      | 1    |
| 5     | Packing Ring   | PTFE 35% Carbon Filled   | ---                                      | 2    |
| 6     | Gland          | Stainless Steel          | ASTM A 276 Type 304                      | 1    |
| 7     | Cup Washer     | Stainless Steel          | AISI A276 Type 304                       | 2    |
| 8     | Nut            | H.T Steel                | ASTM A 194 Gr. 2H                        | 2    |
| 9     | Spring Washer  | Spring Steel             | EN 47 Gr. B                              | 1    |
| 10    | Lever          | Carbon Steel             | ---                                      | 1    |
| 11    | Body Seat Ring | PTFE                     | ---                                      | 2    |
| 12    | Gasket         | PTFE                     | ---                                      | 2    |
| 13    | Spring Washer  | Spring Steel             | EN 47 Gr. B                              | 8    |
| 14    | Studs          | Alloy Steel              | ASTM A 193 Gr. B7                        | 4    |
| 15    | Nuts           | H.T Steel                | ASTM A 194 Gr. 2H                        | 8    |
| 16    | End Connector  | Stainless Steel          | ASTM A 351 Gr. CF8                       | 2    |



### Sizes / Dimensions

| Size (Inches) | Size (mm) | A ±2 | B    | C ~ | D ~ |
|---------------|-----------|------|------|-----|-----|
| 1/2           | 15        | 108  | 15   | 38  | 150 |
| 3/4           | 20        | 117  | 20   | 40  | 150 |
| 1             | 25        | 127  | 25   | 57  | 160 |
| 1 1/4         | 32        | 140  | 32   | 65  | 160 |
| 1 1/2         | 40        | 165  | 40   | 75  | 202 |
| 2             | 50        | 178  | 50   | 80  | 202 |
| 2 1/2*        | 65        | 191  | 63.5 | 125 | 250 |
| 3*            | 80        | 203  | 76   | 137 | 335 |
| 4*            | 100       | 229  | 100  | 158 | 335 |

~ ±10

\*Full Bore