

## 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

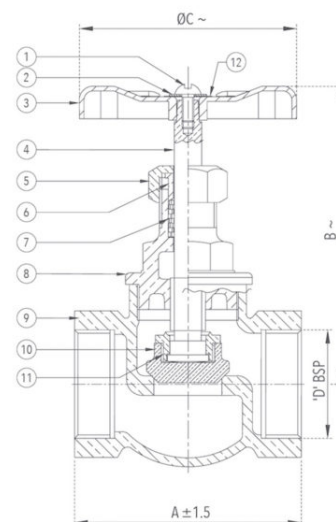
Water, Oil, Air\*, Gases\*

\*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

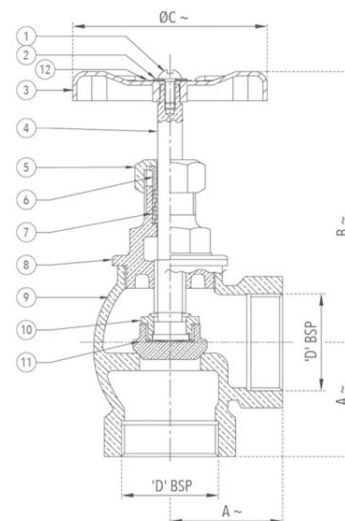
### Suitable For

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

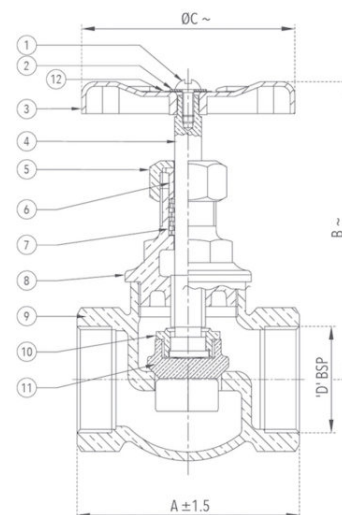
### Suitable For

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

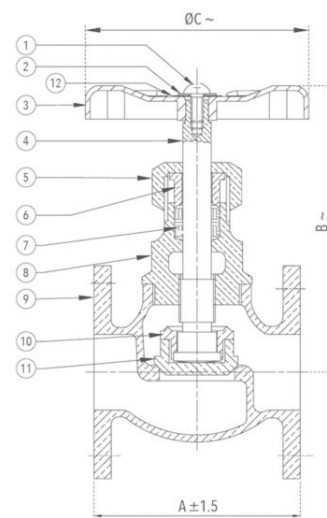
Water, Oil, Air\*, Gases\*

\*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.

## 1004 Bronze Globe Valve (One Side Flanged) with PTFE Seating

### Salient Features

- Inlet Side Flanged to BS 10 Table 'D' and Outlet Side Screwed Female End 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.
- Ideal for transformers, even for less viscous oil.

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

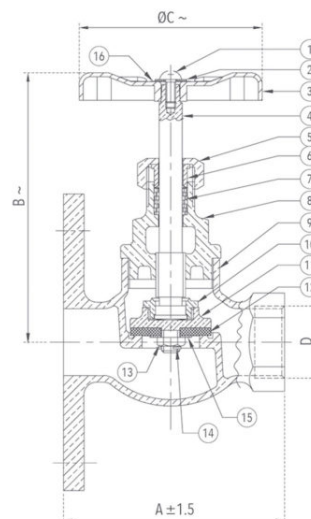
### Suitable For

Oil

\*Also available with Open-Shut indicator and Locking Device, 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    | Disc Facing       | PTFE                        | ---             | 1        |
| 13    | Retaining Nut     | Forged Brass                | IS 6912 Gr. FLB | 1        |
| 14    | Split Pin         | Brass                       | ---             | 1        |
| 15    | Washer (Optional) | Brass Sheet                 | ---             | 1        |
| 16    | Name Plate        | Aluminium                   | ---             | 1        |



### Sizes / Dimensions

| Size (Inches) | Size (mm) | A ±1.5 | B ~ | ØC ~ | D      |
|---------------|-----------|--------|-----|------|--------|
| 1/2           | 15        | 53     | 85  | 60   | 1/2"   |
| 3/4           | 20        | 67     | 90  | 65   | 3/4"   |
| 1             | 25        | 80     | 98  | 70   | 1"     |
| 1 1/4         | 32        | 86     | 115 | 80   | 1 1/4" |
| 1 1/2         | 40        | 91     | 127 | 90   | 1 1/2" |
| 2             | 50        | 106    | 140 | 110  | 2"     |

~ ±10

**NOTE :** For size 15, 20 and 25 part number 10 is not applicable.

## 1006 Bronze Gate Valve (Hex. Type) (Screwed)

### Salient Features

- Screwed Female Ends to IS 554 / BS 21 / ISO 7.
- Screwed in Bonnet, Inside Screw, Non-Rising Stem, Integral Seat.
- Forged Brass Bonnet, Wedge, Stem and Gland Nut.
- Body designed for convenient fitting where space constraint is the factor.
- Designed sheet metal handwheel for a firm grip and convenient operation.
- Premium Quality PTFE Gland Packing.

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

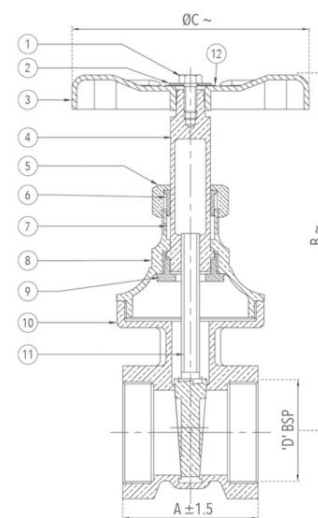
### Suitable For

Water, Oil



### 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     | Hand wheel    | Sheet Metal (Powder Coated) | ---                                 | 1        |
| 4     | Stem          | Forged Brass / Bronze       | IS 6912 Gr. FLB / IS 318 Gr. LTB 2* | 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        | Forged Brass / Bronze       | IS 6912 Gr. FLB / IS 318 Gr. LTB 2* | 1        |
| 9     | Check Nut     | Forged Brass                | IS 6912 Gr. FLB                     | 1        |
| 10    | Body          | Bronze                      | IS 318 Gr. LTB 2                    | 1        |
| 11    | Wedge         | Forged Brass                | IS 6912 Gr. FLB                     | 1        |
| 12    | Name Plate    | Aluminum                    | ---                                 | 1        |



### Sizes / Dimensions

| Size (Inches) | Size (mm) | A ±1.5 | B ~ | ØC ~ | D      |
|---------------|-----------|--------|-----|------|--------|
| 1/4*          | 8*        | 35     | 92  | 60   | 1/4"   |
| 3/8*          | 10*       | 38     | 96  | 60   | 3/8"   |
| 1/2           | 15        | 41     | 103 | 60   | 1/2"   |
| 3/4           | 20        | 45     | 122 | 65   | 3/4"   |
| 1             | 25        | 50     | 137 | 70   | 1"     |
| 1 1/4         | 32        | 54     | 150 | 90   | 1 1/4" |
| 1 1/2         | 40        | 60     | 166 | 90   | 1 1/2" |
| 2             | 50        | 65     | 200 | 110  | 2"     |
| 2 1/2*        | 65*       | 76     | 250 | 120  | 2 1/2" |
| 3*            | 80*       | 92     | 292 | 138  | 3"     |
| 4*            | 100*      | 105    | 365 | 160  | 4"     |

~ ±10

\*Stem and Bonnet for Size 8, 10, 65, 80 and 100 are of Bronze.

**NOTE :** Size 6" can also be made available.

## 1007 Bronze Gate Valve (Peg. Type) (Screwed)

### Salient Features

- Design Standard BSEN 12288 (BS 5154).
- Screwed Female Ends to IS 554 / BS 21 / ISO 7.
- Screwed in Bonnet, Inside Screw, Non-Rising Stem, Integral Seat.
- Designed sheet metal handwheel for a firm grip and convenient operation.
- Premium Quality PTFE Gland Packing.

Test Pressure (Hydrostatic) :  
Shell : 25 kg/cm<sup>2</sup>g (350 psig)  
Seat : 16 kg/cm<sup>2</sup>g (225 psig)  
Maximum Working Temperature : 225°C

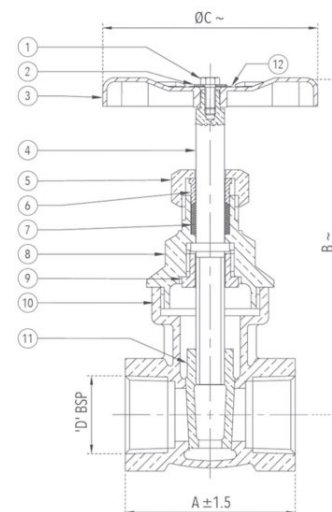
### Suitable For

Water, Oil



### 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        | Forged Brass / Bronze       | IS 6912 Gr. FLB / IS 318 Gr. LTB2 | 1        |
| 9     | Check Nut     | Forged Brass                | IS 6912 Gr. FLB                   | 1        |
| 10    | Body          | Bronze                      | IS 318 Gr. LTB 2                  | 1        |
| 11    | Wedge         | Bronze                      | IS 318 Gr. LTB 2                  | 1        |
| 12    | Name Plate    | Aluminium                   | - - -                             | 1        |



### Sizes / Dimensions

| Size (Inches) | Size (mm) | A ±1.5 | B ~ | ØC ~ | D      |
|---------------|-----------|--------|-----|------|--------|
| 1/4*          | 8*        | 43     | 89  | 50   | 1/4"   |
| 3/8*          | 10*       | 43     | 92  | 50   | 3/8"   |
| 1/2           | 15        | 48     | 105 | 60   | 1/2"   |
| 3/4           | 20        | 53     | 114 | 65   | 3/4"   |
| 1             | 25        | 60     | 129 | 70   | 1"     |
| 1 1/4         | 32        | 68     | 139 | 80   | 1 1/4" |
| 1 1/2         | 40        | 72     | 155 | 90   | 1 1/2" |
| 2             | 50        | 83     | 189 | 110  | 2"     |
| 2 1/2         | 65        | 94     | 220 | 120  | 2 1/2" |
| 3             | 80        | 105    | 250 | 140  | 3"     |
| 4*            | 100*      | 127    | 307 | 160  | 4"     |

~ ±10

\*Bonnet for Size 8, 10 and 100 is of Bronze.



## 1008 Bronze Ball Valve (Screwed)

### Salient Features

- Screwed Female Ends to IS 554 / BS 21 / ISO 7.
- Full Bore, Two Piece Design.
- Quarter Turn, Lever Operated.
- Provided with Stainless Steel Ball.
- Premium Quality PTFE Gland Packing and Seating.

Test Pressure (Hydrostatic) :  
Shell : 25 kg/cm<sup>2</sup>g (350 psig)  
Seat : 16 kg/cm<sup>2</sup>g (225 psig)  
Maximum Working Temperature : 220°C

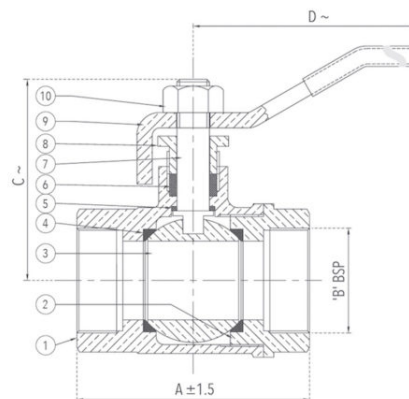
### Suitable For

Water, Oil



### Materials

| P.No. | Name of Part   | Material of Construction | Specification                          | Quantity |
|-------|----------------|--------------------------|----------------------------------------|----------|
| 1     | Body           | Bronze                   | IS 318 GR. LTB 2                       | 1        |
| 2     | Bonnet         | Bronze / Forged Brass    | IS 318 GR. LTB 2 / IS 6912 Gr. FLB     | 1        |
| 3     | Ball           | Stainless Steel          | ASTM A276 Type 304 / ASTM A351 Gr. CF8 | 1        |
| 4     | Body Seat Ring | PTFE                     | ---                                    | 2        |
| 5     | Thrust Washer  | PTFE                     | ---                                    | 1        |
| 6     | Gland Packing  | PTFE                     | ---                                    | -        |
| 7     | Stem           | Stainless Steel          | ASTM A276 Type 410                     | 1        |
| 8     | Gland          | Forged Brass             | IS 6912 Gr. FLB                        | 1        |
| 9     | Lever          | Mild Steel               | ---                                    | 1        |
| 10    | Nut            | Carbon Steel             | ---                                    | 1        |



### Sizes / Dimensions

| Size (Inches) | Size (mm) | A ±1.5 | B      | C ~ | D ~ |
|---------------|-----------|--------|--------|-----|-----|
| 1/2*          | 15*       | 60     | 1/2"   | 44  | 105 |
| 3/4*          | 20*       | 66     | 3/4"   | 48  | 123 |
| 1*            | 25*       | 73     | 1"     | 58  | 123 |
| 1 1/4         | 32        | 91     | 1 1/4" | 73  | 148 |
| 1 1/2         | 40        | 91     | 1 1/2" | 80  | 178 |
| 2             | 50        | 117    | 2"     | 85  | 213 |
| 2 1/2         | 65        | 135    | 2 1/2" | 110 | 245 |
| 3             | 80        | 162    | 3"     | 116 | 330 |
| 4             | 100       | 201    | 4"     | 139 | 330 |

~ ±10

\*Bonnet for Size 15, 20 and 25 is of Forged Brass.



## 1008A Bronze Ball Valve E-Model (Screwed)

### Salient Features

- Screwed Female Ends to IS 554 / BS 21 / ISO 7.
- Full Bore, Two Piece Design.
- Quarter Turn, Lever Operated.
- Provided with Stainless Steel Ball.
- Premium Quality PTFE Gland Packing and Seating.

Test Pressure (Hydrostatic) :  
Shell : 20 kg/cm<sup>2</sup>g (285 psig)  
Seat : 13.5 kg/cm<sup>2</sup>g (192 psig)  
Maximum Working Temperature : 220°C

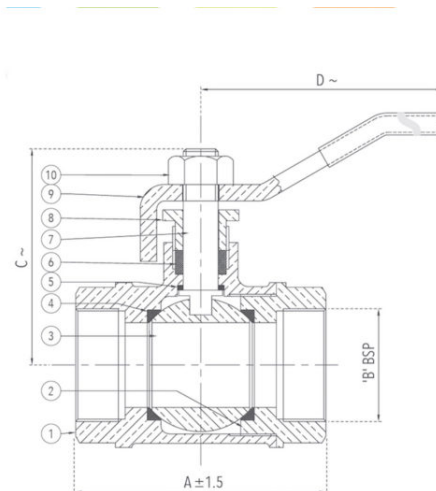
### Suitable For

Water, Oil



### Materials

| P.No. | Name of Part   | Material of Construction | Specification                          | Quantity |
|-------|----------------|--------------------------|----------------------------------------|----------|
| 1     | Body           | Bronze                   | IS 318 Gr. LTB 2                       | 1        |
| 2     | Bonnet         | Bronze                   | IS 318 Gr. LTB 2                       | 1        |
| 3     | Ball           | Stainless Steel          | ASTM A276 Type 304 / ASTM A351 Gr. CF8 | 1        |
| 4     | Body Seat Ring | PTFE                     | ---                                    | 2        |
| 5     | Thrust Washer  | PTFE                     | ---                                    | 1        |
| 6     | Gland Packing  | PTFE                     | ---                                    | -        |
| 7     | Stem           | Stainless Steel          | ASTM A276 Type 410                     | 1        |
| 8     | Gland          | Forged Brass             | IS 6912 Gr. FLB                        | 1        |
| 9     | Lever          | Mild Steel               | ---                                    | 1        |
| 10    | Nut            | Carbon Steel             | ---                                    | 1        |



### Sizes / Dimensions

| Size (Inches) | Size (mm) | A ±1.5 | B      | C ~ | D ~ |
|---------------|-----------|--------|--------|-----|-----|
| 1/2           | 15        | 53     | 1/2"   | 40  | 106 |
| 3/4           | 20        | 58     | 3/4"   | 44  | 123 |
| 1             | 25        | 68     | 1"     | 50  | 123 |
| 1 1/4         | 32        | 76     | 1 1/4" | 65  | 147 |
| 1 1/2         | 40        | 85     | 1 1/2" | 72  | 178 |
| 2             | 50        | 102    | 2"     | 79  | 217 |

~ ±10

## 1008B Forged Brass Ball Valve (Screwed)

### Salient Features

- Screwed Female Ends to IS 554 / BS 21 / ISO 7.
- Full Bore, Two Piece Design.
- Quarter Turn, Lever Operated.
- Provided with Forged Brass Hard Chrome Plated Ball.
- Premium Quality PTFE Gland Packing and Seating.
- Chrome Finish.

Test Pressure (Hydrostatic) :  
Shell : 25 kg/cm<sup>2</sup>g (350 psig)  
Seat : 16 kg/cm<sup>2</sup>g (225 psig)  
Maximum Working Temperature : 220°C

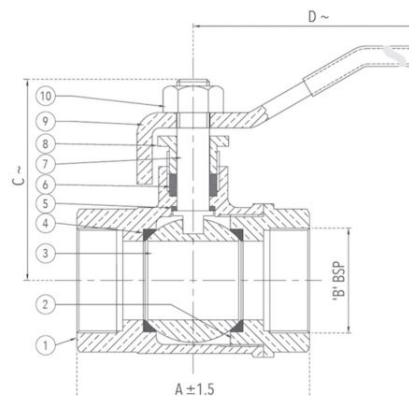
### Suitable For

Water, Oil



### Materials

| P.No. | Name of Part   | Material of Construction          | Specification   | Quantity |
|-------|----------------|-----------------------------------|-----------------|----------|
| 1     | Body           | Forged Brass                      | IS 6912 Gr. FLB | 1        |
| 2     | Bonnet         | Forged Brass                      | IS 6912 Gr. FLB | 1        |
| 3     | Ball           | Forged Brass (Hard Chrome Plated) | IS 6912 Gr. FLB | 1        |
| 4     | Body Seat Ring | PTFE                              | ---             | 2        |
| 5     | Thrust Washer  | PTFE                              | ---             | 1        |
| 6     | Gland Packing  | PTFE                              | ---             |          |
| 7     | Stem           | Forged Brass                      | IS 6912 Gr. FLB | 1        |
| 8     | Gland          | Forged Brass                      | ---             | 1        |
| 9     | Lever          | Aluminium Alloy / Mild Steel      | ---             | 1        |
| 10    | Nut            | Brass (Chrome Plated)             | ---             | 1        |



### Sizes / Dimensions

| Size (Inches) | Size (mm) | A ±1.5 | B      | C ~ | D ~ |
|---------------|-----------|--------|--------|-----|-----|
| 1/4           | 8         | 47     | 1/4"   | 37  | 90  |
| 3/8           | 10        | 47     | 3/8"   | 37  | 90  |
| 1/2           | 15        | 50     | 1/2"   | 40  | 106 |
| 3/4           | 20        | 57     | 3/4"   | 43  | 132 |
| 1             | 25        | 67     | 1"     | 47  | 132 |
| 1 1/4         | 32        | 76     | 1 1/4" | 62  | 166 |
| 1 1/2         | 40        | 87     | 1 1/2" | 68  | 176 |
| 2             | 50        | 104    | 2"     | 80  | 216 |
| 2 1/2         | 65        | 139    | 2 1/2" | 100 | 216 |
| 3             | 80        | 155    | 3"     | 110 | 280 |
| 4             | 100       | 177    | 4"     | 124 | 280 |

~ ±10

## 1009 Bronze Vertical Check Valve (Screwed)

### Salient Features

- Screwed Female Ends to IS 554 / BS 21 / ISO 7.
- Single Piece Design, Integral Seat.
- Meant for Vertical Lines Only.
- Permits flow in one direction and shuts automatically if the flow reverses.
- Spring Loaded and 'O' Ring Type.
- Also available with metal to metal seating.

Test Pressure (Hydrostatic) :  
Shell : 25 kg/cm<sup>2</sup>g (350 psig)  
Seat : 16 kg/cm<sup>2</sup>g (225 psig)  
Maximum Working Temperature : 80°C

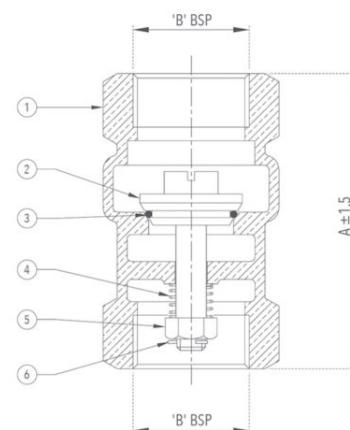
### Suitable For

Water, Oil



### Materials

| P.No. | Name of Part | Material of Construction | Specification    | Quantity |
|-------|--------------|--------------------------|------------------|----------|
| 1     | Body         | Bronze                   | IS 318 Gr. LTB 2 | 1        |
| 2     | Disc         | Bronze                   | IS 318 Gr. LTB 2 | 1        |
| 3     | 'O' Ring     | Nitrile Rubber           | IS 5192 - 1      | 1        |
| 4     | Spring       | Stainless Steel          | Type 304         | 1        |
| 5     | Disc Nut     | Brass                    | ---              | 1        |
| 6     | Split Pin    | Brass                    | ---              | 1        |



### Sizes / Dimensions

| Size (Inches) | Size (mm) | A ±1.5 | B      |
|---------------|-----------|--------|--------|
| 1/2           | 15        | 55     | 1/2"   |
| 3/4           | 20        | 66     | 3/4"   |
| 1             | 25        | 76     | 1"     |
| 1 1/4         | 32        | 80     | 1 1/4" |
| 1 1/2         | 40        | 85     | 1 1/2" |
| 2             | 50        | 93     | 2"     |
| 2 1/2         | 65        | 114    | 2 1/2" |
| 3             | 80        | 118    | 3"     |
| 4             | 100       | 141    | 4"     |

## 1009A Forged Brass Multi Utility Check Valve (Screwed)

### Salient Features

- Screwed Female Ends to IS 554 / BS 21 / ISO 7.
- Screwed in Bonnet.
- Suitable for both Horizontal and Vertical Lines.
- Permits flow in one direction and shuts automatically if the flow reverses.
- Disc is guided in Body as well as in Bonnet.
- Chrome Finish.

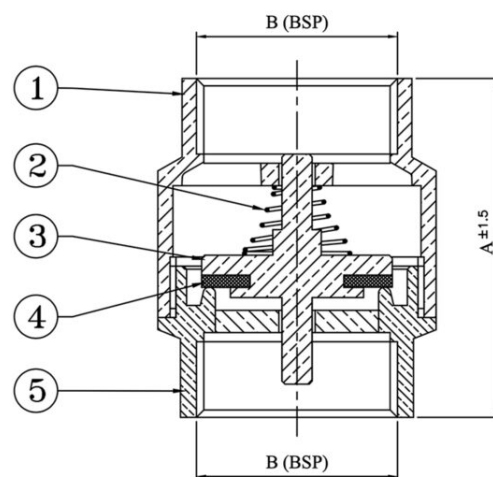
Test Pressure (Hydrostatic) :  
Shell : 15 kg/cm<sup>2</sup>g (220 psig)  
Seat : 10 kg/cm<sup>2</sup>g (150 psig)  
Maximum Working Temperature : 90°C

### Suitable For

Water, Oil

### Materials

| P.No. | Name of Part | Material of Construction | Specification   | Quantity |
|-------|--------------|--------------------------|-----------------|----------|
| 1     | Body         | Forged Brass             | IS 6912 Gr. FLB | 1        |
| 2     | Spring       | Stainless Steel          | Type 304        | 1        |
| 3     | Disc         | Forged Brass             | IS 6912 Gr. FLB | 1        |
| 4     | Disc Facing  | Nitrile Rubber           | IS 638 Type B   | 1        |
| 5     | Bonnet       | Forged Brass             | IS 6912 Gr. FLB | 1        |



### Sizes / Dimensions

| Size (Inches) | Size (mm) | A ±1.5 | B      |
|---------------|-----------|--------|--------|
| 1/2           | 15        | 46     | 1/2"   |
| 3/4           | 20        | 53     | 3/4"   |
| 1             | 25        | 56     | 1"     |
| 1 1/4         | 32        | 60     | 1 1/4" |
| 1 1/2         | 40        | 65     | 1 1/2" |
| 2             | 50        | 76     | 2"     |

## 1010 Bronze Horizontal Check Valve (Screwed)

### Salient Features

- Screwed Female Ends to IS 554 / BS 21 / ISO 7.
- Screwed in Bonnet, Integral Seat.
- Permits flow in one direction and closes automatically if the flow reverses.
- Metal Disc is mushroom shaped with spherical seating surface.
- Meant for Horizontal Lines only.
- Disc is guided in Body as well as in Bonnet.
- Medium Pattern.
- Also available with metal to metal seating.

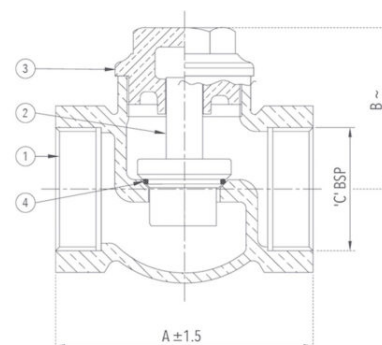
Test Pressure (Hydrostatic) :  
Shell : 20 kg/cm<sup>2</sup>g (285 psig)  
Seat : 13.5 kg/cm<sup>2</sup>g (192 psig)  
Maximum Working Temperature : 80°C

### Suitable For

Water, Oil

### Materials

| P.No. | Name of Part | Material of Construction | Specification                      | Quantity |
|-------|--------------|--------------------------|------------------------------------|----------|
| 1     | Body         | Bronze                   | IS 318 Gr. LTB 2                   | 1        |
| 2     | Disc         | Bronze                   | IS 318 Gr. LTB 2                   | 1        |
| 3     | Bonnet       | Bronze / Forged Brass    | IS 318 Gr. LTB 2 / IS 6912 Gr. FLB | 1        |
| 4     | 'O' Ring     | Nitrile Rubber           | IS 5192 - 1                        | 1        |



### Sizes / Dimensions

| Size (Inches) | Size (mm) | A ±1.5 | B ~ | C      |
|---------------|-----------|--------|-----|--------|
| 1/4           | 8         | 33     | 24  | 1/4"   |
| 3/8           | 10        | 37     | 28  | 3/8"   |
| 1/2           | 15        | 45     | 32  | 1/2"   |
| 3/4           | 20        | 53     | 37  | 3/4"   |
| 1             | 25        | 57     | 41  | 1"     |
| 1 1/4         | 32        | 71     | 46  | 1 1/4" |
| 1 1/2         | 40        | 79     | 52  | 1 1/2" |
| 2             | 50        | 86     | 66  | 2"     |
| 2 1/2*        | 65*       | 107    | 80  | 2 1/2" |
| 3*            | 80*       | 123    | 94  | 3"     |
| 4*            | 100*      | 159    | 104 | 4"     |

~ ±10

\*Bonnet for Size 65, 80 and 100 is of Bronze.

## 1010A Bronze Angle Type Lift Check Valve (Screwed)

### Salient Features

- Screwed Female Ends to IS 554 / BS 21 / ISO 7.
- Angle Pattern, Screwed in Bonnet, Integral Seat.
- Permits flow in one direction and closes automatically if the flow reverses.
- Metal Disc is mushroom shaped with spherical seating surface.
- Disc is guided in Body as well as in Bonnet.
- Medium Pattern.
- Also available with metal to metal seating.

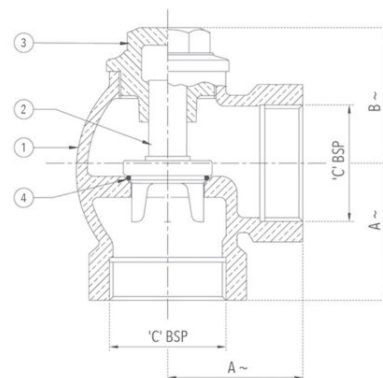
Test Pressure (Hydrostatic) :  
Shell : 24 kg/cm<sup>2</sup>g (340 psig)  
Seat : 16 kg/cm<sup>2</sup>g (225 psig)  
Maximum Working Temperature : 80°C

### Suitable For

Water, Oil

### Materials

| P.No. | Name of Part | Material of Construction | Specification    | Quantity |
|-------|--------------|--------------------------|------------------|----------|
| 1     | Body         | Bronze                   | IS 318 Gr. LTB 2 | 1        |
| 2     | Disc         | Bronze                   | IS 318 Gr. LTB 2 | 1        |
| 3     | Bonnet       | Forged Brass             | IS 6912 Gr. FLB  | 1        |
| 4     | 'O' Ring     | Nitrile Rubber           | IS 5192 - 1      | 1        |



### Sizes / Dimensions

| Size (Inches) | Size (mm) | A ~ | B ~ | C      |
|---------------|-----------|-----|-----|--------|
| 1/2           | 15        | 29  | 34  | 1/2"   |
| 3/4           | 20        | 35  | 40  | 3/4"   |
| 1             | 25        | 43  | 46  | 1"     |
| 1 1/4         | 32        | 47  | 53  | 1 1/4" |
| 1 1/2         | 40        | 54  | 61  | 1 1/2" |
| 2             | 50        | 66  | 70  | 2"     |

~ ±10

## 1011 Bronze Horizontal Check Valve No.5 (Screwed)

### Salient Features

- Screwed Female Ends to IS 554 / BS 21 / ISO 7.
- Screwed in Bonnet, Integral Seat.
- Permits flow in one direction and closes automatically if the flow reverses.
- Metal Disc is mushroom shaped with spherical seating surface.
- Meant for Horizontal Lines Only.
- Disc is guided in Body as well as in Bonnet.
- Heavy Pattern.
- Also available with metal to metal seating.

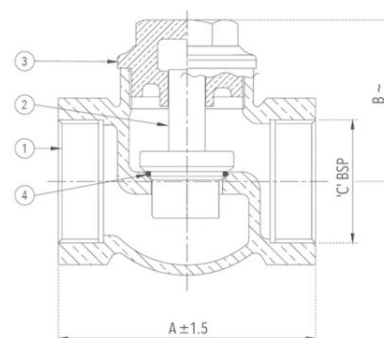
Test Pressure (Hydrostatic) :  
Shell : 35 kg/cm<sup>2</sup>g (500 psig)  
Seat : 20 kg/cm<sup>2</sup>g (285 psig)  
Maximum Working Temperature : 80°C

### Suitable For

Water, Oil

### Materials

| P.No. | Name of Part | Material of Construction | Specification    | Quantity |
|-------|--------------|--------------------------|------------------|----------|
| 1     | Body         | Bronze                   | IS 318 Gr. LTB 2 | 1        |
| 2     | Disc         | Bronze                   | IS 318 Gr. LTB 2 | 1        |
| 3     | Bonnet       | Bronze                   | IS 318 Gr. LTB 2 | 1        |
| 4     | 'O' Ring     | Nitrile Rubber           | IS 5192 - 1      | 1        |



### Sizes / Dimensions

| Size (Inches) | Size (mm) | A ±1.5 | B ~ | C      |
|---------------|-----------|--------|-----|--------|
| 1/4           | 8         | 34     | 28  | 1/4"   |
| 3/8           | 10        | 41     | 35  | 3/8"   |
| 1/2           | 15        | 52     | 42  | 1/2"   |
| 3/4           | 20        | 65     | 48  | 3/4"   |
| 1             | 25        | 82     | 55  | 1"     |
| 1 1/4         | 32        | 88     | 61  | 1 1/4" |
| 1 1/2         | 40        | 98     | 66  | 1 1/2" |
| 2             | 50        | 120    | 75  | 2"     |
| 2 1/2         | 65        | 133    | 84  | 2 1/2" |
| 3             | 80        | 160    | 96  | 3"     |

~ ±10



## 1012 Bronze Horizontal Check Valve No.8 (Flanged)

### Salient Features

- Flanged Ends to BS 10 Table 'D'.
- Screwed in Bonnet, Integral Seat.
- Permits flow in one direction and shuts automatically if the flow reverses.
- Metal Disc is mushroom shaped with spherical seating surface.
- Meant for Horizontal Lines Only.
- Disc is guided in Body as well as in Bonnet.
- Medium Pattern.
- Also available with metal to metal seating.

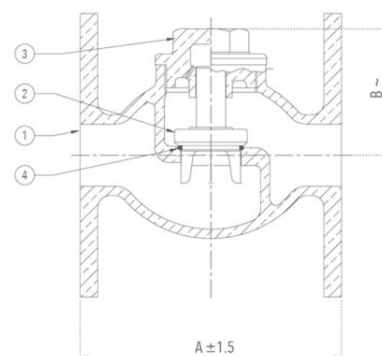
Test Pressure (Hydrostatic) :  
Shell : 24 kg/cm<sup>2</sup>g (340 psig)  
Seat : 16 kg/cm<sup>2</sup>g (225 psig)  
Maximum Working Temperature : 80°C

### Suitable For

Water, Oil

### Materials

| P.No. | Name of Part | Material of Construction | Specification    | Quantity |
|-------|--------------|--------------------------|------------------|----------|
| 1     | Body         | Bronze                   | IS 318 Gr. LTB 2 | 1        |
| 2     | Disc         | Bronze                   | IS 318 Gr. LTB 2 | 1        |
| 3     | Bonnet       | Bronze                   | IS 318 Gr. LTB 2 | 1        |
| 4     | 'O' Ring     | Nitrile Rubber           | IS 5192 - 1      | 1        |



### Sizes / Dimensions

| Size (Inches) | Size (mm) | A ±1.5 | B ~ |
|---------------|-----------|--------|-----|
| 1/2           | 15        | 53     | 32  |
| 3/4           | 20        | 67     | 37  |
| 1             | 25        | 80     | 45  |
| 1 1/4         | 32        | 85     | 51  |
| 1 1/2         | 40        | 91     | 60  |
| 2             | 50        | 106    | 68  |

~ ±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

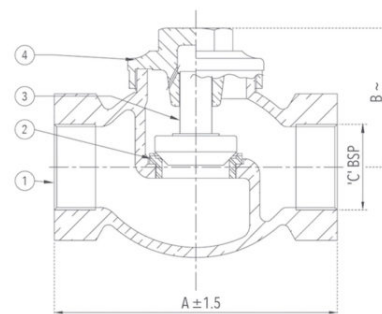
### Suitable For

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

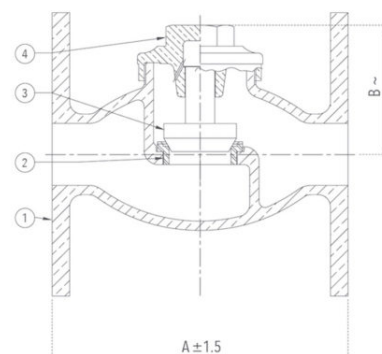
### Suitable For

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

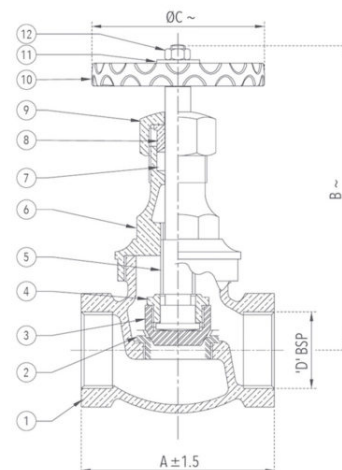
Steam, Water, Oil, Air\*, Gases\*

\*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

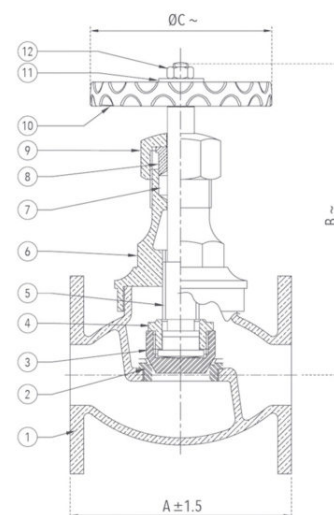
Steam, Water, Oil, Air\*, Gases\*

\*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

## 1033 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.
- Provision for re-packing under pressure.
- Premium Quality PTFE Gland Packing.
- Design Standard IS 778, Class-1.
- Designed sheet metal handwheel for a firm grip and convenient operation.

Test Pressure (Hydrostatic) :

Shell : 1.5 MPa

Seat & Back Seat : 1.0 MPa

Maximum Working Temperature : 45°C

### Suitable For

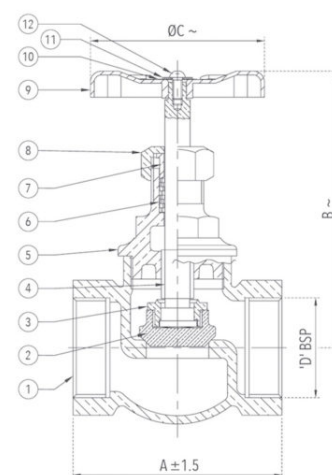
Water, Oil

\*Also available with Open-Shut Indicator & Locking Device and with PTFE Seating, 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     | Disc          | Bronze                      | IS 318 Gr. LTB 2 | 1        |
| 3     | Disc Nut      | Bronze                      | IS 318 Gr. LTB 2 | 1        |
| 4     | Stem          | Forged Brass                | IS 6912 Gr. FLB  | 1        |
| 5     | Bonnet        | Bronze                      | IS 318 Gr. LTB 2 | 1        |
| 6     | Gland Packing | PTFE                        | ---              | -        |
| 7     | Gland         | Forged Brass                | IS 6912 Gr. FLB  | 1        |
| 8     | Gland Nut     | Forged Brass                | IS 6912 Gr. FLB  | 1        |
| 9     | Handwheel     | Sheet Metal (Powder Coated) | ---              | 1        |
| 10    | Name Plate    | Aluminium                   | ---              | 1        |
| 11    | Washer        | Carbon Steel (Zinc Plated)  | ---              | 1        |
| 12    | Screw / Bolt  | Carbon Steel (Zinc Plated)  | ---              | 1        |



### Sizes / Dimensions

| Size (Inches) | Size (mm) | A ±1.5 | B ~ | ØC ~ | D      |
|---------------|-----------|--------|-----|------|--------|
| 1/4           | 8         | 47     | 67  | 50   | 1/4"   |
| 3/8           | 10        | 50     | 70  | 50   | 3/8"   |
| 1/2           | 15        | 60     | 90  | 60   | 1/2"   |
| 3/4           | 20        | 70     | 105 | 65   | 3/4"   |
| 1             | 25        | 80     | 115 | 70   | 1"     |
| 1 1/4         | 32        | 95     | 127 | 80   | 1 1/4" |
| 1 1/2         | 40        | 110    | 138 | 90   | 1 1/2" |
| 2             | 50        | 125    | 162 | 110  | 2"     |
| 2 1/2         | 65        | 160    | 183 | 115  | 2 1/2" |
| 3             | 80        | 180    | 207 | 140  | 3"     |
| 4             | 100       | 216    | 250 | 160  | 4"     |

~ ±10

**NOTE :** 1. For size 8 & 10 part number 2 and 3 is not applicable.  
2. For size 15 and 20 part number 3 is not applicable.

## 1034 Bronze Globe Valve (Flanged)



### Salient Features

- Flanged Ends to IS 778.
- Screwed in Bonnet, Inside Screw, Rising Stem, Integral Seat.
- Provision for re-packing under pressure.
- Premium Quality PTFE Gland Packing.
- Design Standard IS 778, Class-1.
- Designed sheet metal handwheel for a firm grip and convenient operation.

Test Pressure (Hydrostatic) :

Shell : 1.5 MPa

Seat & Back Seat : 1.0 MPa

Maximum Working Temperature : 45°C

### Suitable For

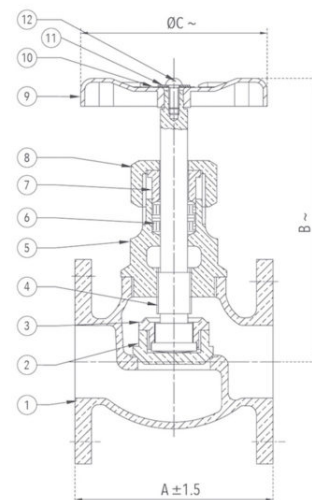
Water, Oil

\*Also available with Open-Shut Indicator & Locking Device and with PTFE Seating, 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     | Disc          | Bronze                      | IS 318 Gr. LTB 2 | 1        |
| 3     | Disc Nut      | Bronze                      | IS 318 Gr. LTB 2 | 1        |
| 4     | Stem          | Forged Brass                | IS 6912 Gr. FLB  | 1        |
| 5     | Bonnet        | Bronze                      | IS 318 Gr. LTB 2 | 1        |
| 6     | Gland Packing | PTFE                        | ---              | -        |
| 7     | Gland         | Forged Brass                | IS 6912 Gr. FLB  | 1        |
| 8     | Gland Nut     | Forged Brass                | IS 6912 Gr. FLB  | 1        |
| 9     | Handwheel     | Sheet Metal (Powder Coated) | ---              | 1        |
| 10    | Name Plate    | Aluminium                   | ---              | 1        |
| 11    | Washer        | Carbon Steel (Zinc Plated)  | ---              | 1        |
| 12    | Screw / Bolt  | Carbon Steel (Zinc Plated)  | ---              | 1        |



### Sizes / Dimensions

| Size (Inches) | Size (mm) | A ±1.5 | B ~ | ØC ~ |
|---------------|-----------|--------|-----|------|
| 1/2           | 15        | 75     | 90  | 60   |
| 3/4           | 20        | 85     | 105 | 65   |
| 1             | 25        | 95     | 115 | 70   |
| 1 1/4         | 32        | 110    | 127 | 80   |
| 1 1/2         | 40        | 120    | 138 | 90   |
| 2             | 50        | 145    | 162 | 110  |
| 2 1/2         | 65        | 165    | 183 | 115  |
| 3             | 80        | 185    | 207 | 140  |
| 4             | 100       | 216    | 250 | 160  |

~ ±10

**NOTE:** For size 15 and 20 part number 3 is not applicable.



## 1035 Bronze Gate Valve (Screwed)



### Salient Features

- Screwed Female Ends to IS 554 / BS 21 / ISO 7.
- Screwed in Bonnet, Inside Screw, Non-Rising Stem, Integral Seat, Solid Wedge.
- Designed sheet metal handwheel for a firm grip and convenient operation.
- Premium Quality PTFE Gland Packing.
- Design Standard IS 778, Class-1.
- Provision for re-packing under pressure.

Test Pressure (Hydrostatic) :

Shell : 1.5 MPa

Seat & Back Seat : 1.0 MPa

Maximum Working Temperature : 45°C

### Suitable For

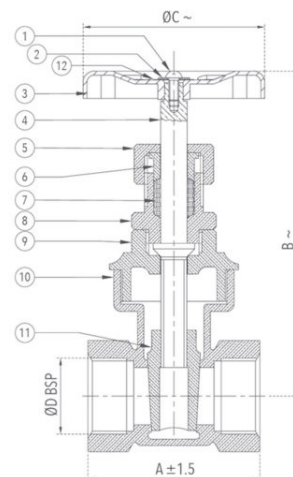
Water, Oil

\*Also available with Open-Shut Indicator and Locking Device, 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 (Power 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     | Stuffing Box  | Forged Brass               | IS 6912 Gr. FLB  | 1        |
| 9     | Bonnet        | Forged Brass               | IS 6912 Gr. FLB  | 1        |
| 10    | Body          | Bronze                     | IS 318 Gr. LTB 2 | 1        |
| 11    | Wedge         | Bronze                     | IS 318 Gr. LTB 2 | 1        |
| 12    | Name Plate    | Aluminium                  | - - -            | 1        |



### Sizes / Dimensions

| Size (Inches) | Size (mm) | A ±1.5 | B ~ | ØC ~ | D      |
|---------------|-----------|--------|-----|------|--------|
| 1/4           | 8         | 50     | 84  | 50   | 1/4"   |
| 3/8           | 10        | 50     | 89  | 50   | 3/8"   |
| 1/2           | 15        | 60     | 105 | 60   | 1/2"   |
| 3/4           | 20        | 60     | 117 | 65   | 3/4"   |
| 1             | 25        | 70     | 132 | 70   | 1"     |
| 1 1/4         | 32        | 80     | 150 | 80   | 1 1/4" |
| 1 1/2         | 40        | 90     | 165 | 90   | 1 1/2" |
| 2             | 50        | 100    | 190 | 110  | 2"     |
| 2 1/2         | 65        | 105    | 232 | 115  | 2 1/2" |
| 3             | 80        | 125    | 268 | 140  | 3"     |
| 4             | 100       | 160    | 332 | 160  | 4"     |

~ ±10

## 1035A Bronze Gate Valve Class-2 (Screwed)



### Salient Features

- Screwed Female Ends to IS 554 / BS 21 / ISO 7.
- Screwed in Bonnet, Inside Screw, Non-Rising Stem, Integral Seat, Solid Wedge.
- Designed sheet metal handwheel for a firm grip and convenient operation.
- Premium Quality PTFE Gland Packing.
- Design Standard IS 778, Class-2.
- Provision for re-packing under pressure.

Test Pressure (Hydrostatic) :

Shell : 2.4 MPa

Seat & Back Seat : 1.6 MPa

Maximum Working Temperature : 45°C

### Suitable For

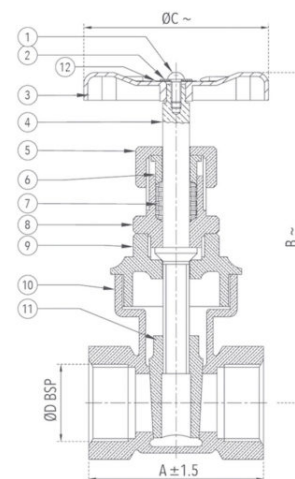
Water, Oil

\*Also available with Open-Shut Indicator and Locking Device, 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 / Bronze       | IS 6912 Gr. FLB / IS 318 Gr. LTB 2 | 1        |
| 6     | Gland         | Forged Brass                | IS 6912 Gr. FLB                    | 1        |
| 7     | Gland Packing | PTFE                        | BSEN 12086 - 1                     | -        |
| 8     | Stuffing Box  | Forged Brass                | IS 6912 Gr. FLB                    | 1        |
| 9     | Bonnet        | Forged Brass                | IS 6912 Gr. FLB                    | 1        |
| 10    | Body          | Bronze                      | IS 318 Gr. LTB 2                   | 1        |
| 11    | Wedge         | Bronze                      | IS 318 Gr. LTB 2                   | 1        |
| 12    | Name Plate    | Aluminium                   | ---                                | 1        |



### Sizes / Dimensions

| Size (Inches) | Size (mm) | A ±1.5 | B ~ | ØC ~ | D      |
|---------------|-----------|--------|-----|------|--------|
| 1/4           | 8         | 50     | 84  | 50   | 1/4"   |
| 3/8           | 10        | 50     | 89  | 50   | 3/8"   |
| 1/2           | 15        | 60     | 105 | 60   | 1/2"   |
| 3/4           | 20        | 60     | 117 | 65   | 3/4"   |
| 1             | 25        | 70     | 132 | 70   | 1"     |
| 1 1/4         | 32        | 80     | 150 | 80   | 1 1/4" |
| 1 1/2         | 40        | 90     | 165 | 90   | 1 1/2" |
| 2             | 50        | 100    | 190 | 110  | 2"     |
| 2 1/2*        | 65*       | 105    | 232 | 117  | 2 1/2" |
| 3*            | 80*       | 125    | 268 | 140  | 3"     |
| 4*            | 100*      | 160    | 332 | 160  | 4"     |

~ ±10

\*Gland Nut for Size 65, 80 and 100 is of Bronze.

## 1035B Bronze Gate Valve Rising Stem (Screwed)

### Salient Features

- Screwed female ends to IS 554 / BS21 / ISO - 7.
- Screwed in Bonnet, Inside Screw, Rising Stem, Integral Seat, Solid Wedge.
- Provision for Re-packing under pressure.
- Designed sheet metal handwheel for a firm grip and convenient operation.
- Premium quality PTFE Gland Packing.

Test Pressure(Hydrostatic) Class-1 :

Shell : 1.5 Mpa

Seat & Back Seat : 1.0 Mpa

Maximum Working Temperature : 45°C

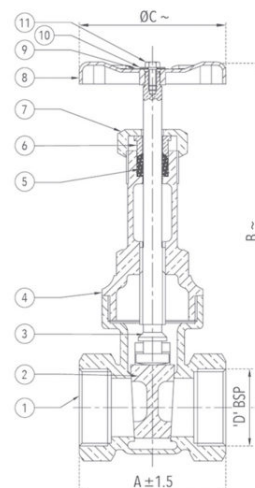
### Suitable For

Water, Oil



### Materials

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



### Sizes / Dimensions

| Size (Inches) | Size (mm) | A ±1.5 | B ~ | ØC ~ | D      |
|---------------|-----------|--------|-----|------|--------|
| 1/2           | 15        | 60     | 120 | 60   | 1/2"   |
| 3/4           | 20        | 60     | 128 | 65   | 3/4"   |
| 1             | 25        | 70     | 150 | 70   | 1"     |
| 1 1/4         | 32        | 80     | 188 | 80   | 1 1/4" |
| 1 1/2         | 40        | 90     | 214 | 90   | 1 1/2" |
| 2             | 50        | 100    | 243 | 110  | 2"     |
| 2 1/2         | 65        | 105    | 310 | 115  | 2 1/2" |
| 3             | 80        | 125    | 360 | 140  | 3"     |
| 4             | 100       | 160    | 432 | 160  | 4"     |

~ ±10

## 1036 Bronze Gate Valve (Flanged)



### Salient Features

- Flanged Ends to IS 778.
- Screwed in Bonnet, Inside Screw, Non-Rising Stem, Integral Seat, Solid Wedge.
- Designed sheet metal handwheel for a firm grip and convenient operation.
- Premium Quality PTFE Gland Packing.
- Provision for re-packing under pressure.
- Design Standard IS 778, Class-1.

Test Pressure (Hydrostatic) :

Shell : 1.5 MPa

Seat & Back Seat : 1.0 MPa

Maximum Working Temperature : 45°C

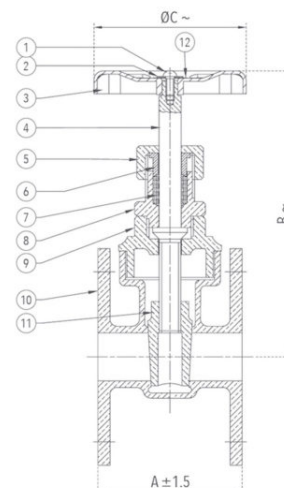
### Suitable For

Water, Oil

\*Also available with Open-Shut Indicator and Locking Device, 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 (Power Coated Paint) | - - -            | 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     | Stuffing Box  | Forged Brass                     | IS 6912 Gr. FLB  | 1        |
| 9     | Bonnet        | Forged Brass                     | IS 6912 Gr. FLB  | 1        |
| 10    | Body          | Bronze                           | IS 318 Gr. LTB 2 | 1        |
| 11    | Wedge         | Bronze                           | IS 318 Gr. LTB 2 | 1        |
| 12    | Name Plate    | Aluminium                        | - - -            | 1        |



### Sizes / Dimensions

| Size (Inches) | Size (mm) | A ±1.5 | B ~ | ØC ~ |
|---------------|-----------|--------|-----|------|
| 1/2           | 15        | 72     | 105 | 60   |
| 3/4           | 20        | 76     | 117 | 65   |
| 1             | 25        | 90     | 132 | 70   |
| 1 1/4         | 32        | 100    | 140 | 80   |
| 1 1/2         | 40        | 110    | 172 | 90   |
| 2             | 50        | 120    | 190 | 110  |
| 2 1/2         | 65        | 140    | 214 | 115  |
| 3             | 80        | 150    | 268 | 140  |
| 4             | 100       | 190    | 323 | 160  |

~ ±10

## 1037 Bronze Vertical Check Valve (Screwed)



### Salient Features

- Screwed Female Ends to IS 554 / BS 21 / ISO 7.
- Single Piece Design.
- Meant for Vertical Lines Only.
- Permits flow in one direction and closes automatically if the flow reverses.
- Design Standard IS 778, Class-1.
- Also available with metal to metal seating.

Test Pressure (Hydrostatic) :

Shell : 1.5 MPa

Seat : 0.25 MPa

Maximum Working Temperature : 45°C

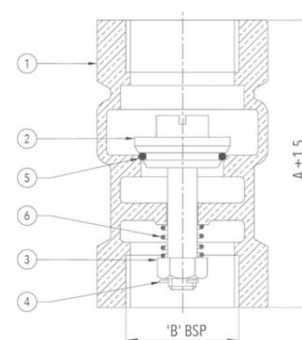
### Suitable For

Water, Oil



### Materials

| P.No. | Name of Part | Material of Construction | Specification            | Quantity |
|-------|--------------|--------------------------|--------------------------|----------|
| 1     | Body         | Bronze                   | IS 318 Gr. LTB 2         | 1        |
| 2     | Disc         | Bronze                   | IS 318 Gr. LTB 2         | 1        |
| 3     | Nut          | Brass                    | IS 319 Gr. 2 (Half Hard) | 1        |
| 4     | Split Pin    | Brass                    | ---                      | 1        |
| 5     | 'O' Ring     | Nitrile Rubber           | IS 5192 - 1              | 1        |
| 6     | Spring       | Stainless Steel          | Type 304                 | 1        |



### Sizes / Dimensions

| Size (Inches) | Size (mm) | A ±1.5 | B      |
|---------------|-----------|--------|--------|
| 1/2           | 15        | 65     | 1/2"   |
| 3/4           | 20        | 70     | 3/4"   |
| 1             | 25        | 75     | 1"     |
| 1 1/4         | 32        | 85     | 1 1/4" |
| 1 1/2         | 40        | 95     | 1 1/2" |
| 2             | 50        | 110    | 2"     |

## 1038 Bronze Horizontal Check Valve (Screwed)



### Salient Features

- Screwed Female Ends to IS 554 / BS 21 / ISO 7.
- Screwed in Bonnet, meant for Horizontal Lines Only.
- Permits flow in one direction and shuts automatically if the flow reverses.
- Metal Disc is mushroom shaped with spherical seating surface.
- Disc is guided in Body as well as in Bonnet.
- Design Standard IS 778, Class-1.
- Also available with metal to metal seating.

Test Pressure (Hydrostatic) :

Shell : 1.5 MPa

Seat : 0.25 MPa

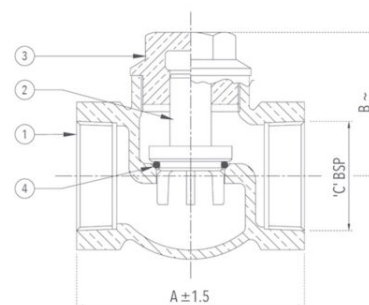
Maximum Working Temperature : 45°C

### Suitable For

Water, Oil

### Materials

| P.No. | Name of Part | Material of Construction | Specification                      | Quantity |
|-------|--------------|--------------------------|------------------------------------|----------|
| 1     | Body         | Bronze                   | IS 318 Gr. LTB 2                   | 1        |
| 2     | Disc         | Bronze                   | IS 318 Gr. LTB 2                   | 1        |
| 3     | Bonnet       | Bronze / Forged Brass    | IS 318 Gr. LTB 2 / IS 6912 Gr. FLB | 1        |
| 4     | 'O' Ring     | Nitrile Rubber           | IS 5192 - 1                        | 1        |



### Sizes / Dimensions

| Size (Inches) | Size (mm) | A ±1.5 | B ~ | C      |
|---------------|-----------|--------|-----|--------|
| 1/2*          | 15*       | 60     | 40  | 1/2"   |
| 3/4*          | 20*       | 70     | 45  | 3/4"   |
| 1*            | 25*       | 80     | 55  | 1"     |
| 1 1/4         | 32        | 95     | 59  | 1 1/4" |
| 1 1/2         | 40        | 110    | 65  | 1 1/2" |
| 2             | 50        | 125    | 74  | 2"     |
| 2 1/2         | 65        | 160    | 85  | 2 1/2" |
| 3             | 80        | 180    | 105 | 3"     |
| 4             | 100       | 216    | 131 | 4"     |

~ ±10

\*Bonnet for Size 15, 20 and 25 is of Forged Brass.

## 1039 Bronze Horizontal Check Valve (Flanged)



### Salient Features

- Flanged Ends to IS 778.
- Screwed in Bonnet, meant for Horizontal Lines Only.
- Permits flow in one direction and closes automatically if the flow reverses.
- Metal Disc is mushroom shaped with spherical seating surface.
- Disc is guided in Body as well as in Bonnet.
- Design Standard IS 778, Class-1.
- Also available with metal to metal seating.

Test Pressure (Hydrostatic) :

Shell : 1.5 MPa

Seat : 0.25 MPa

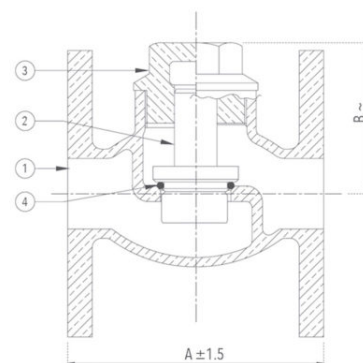
Maximum Working Temperature : 45°C

### Suitable For

Water, Oil

### Materials

| P.No. | Name of Part | Material of Construction | Specification                      | Quantity |
|-------|--------------|--------------------------|------------------------------------|----------|
| 1     | Body         | Bronze                   | IS 318 Gr. LTB 2                   | 1        |
| 2     | Disc         | Bronze                   | IS 318 Gr. LTB 2                   | 1        |
| 3     | Bonnet       | Bronze / Forged Brass    | IS 318 Gr. LTB 2 / IS 6912 Gr. FLB | 1        |
| 4     | 'O' Ring     | Nitrile Rubber           | IS 5192 - 1                        | 1        |



### Sizes / Dimensions

| Size (Inches) | Size (mm) | A ±1.5 | B ~ |
|---------------|-----------|--------|-----|
| 1/2*          | 15*       | 75     | 40  |
| 3/4*          | 20*       | 85     | 45  |
| 1*            | 25*       | 95     | 55  |
| 1 1/4         | 32        | 110    | 59  |
| 1 1/2         | 40        | 120    | 65  |
| 2             | 50        | 145    | 74  |
| 2 1/2         | 65        | 165    | 85  |
| 3             | 80        | 185    | 105 |
| 4             | 100       | 216    | 131 |

~ ±10

\*Bonnet for Size 15, 20 and 25 is of Forged Brass.



## 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

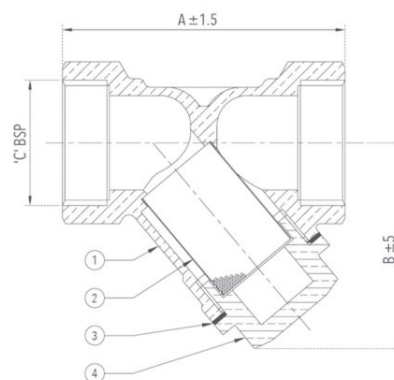
Steam\*, Water, Oil, Air\*, Gases\*

\*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"     |

## 1071 Cast Steel Globe Steam Stop Valve (Flanged) I.B.R

### Salient Features

- Flanged Ends to DIN 2545 PN 40.
- Straight Pattern, Outside Screw, Yoke Type, Rising Stem, Bolted Bonnet.
- Renewable 13% Cr. Stainless Steel (S.S 410) working parts.
- Minimum pressure drop inside the body due to streamlined body design.
- Handwheel Operated.
- Provision for re-packing under pressure.
- Suitable for thermic fluid application also.

Test Pressure (Hydrostatic) :

Shell : 60 bar (870 psig)

Maximum Working Pressure : 40 bar (580 psig)

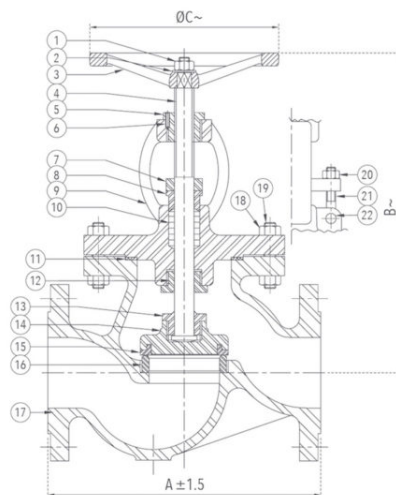
Maximum Working Temperature : 425°C

### Suitable For

Steam, Water, Oil

### Materials

| P.No. | Name of Part       | Material of Construction                       | Specification                               | Qty.       |
|-------|--------------------|------------------------------------------------|---------------------------------------------|------------|
| 1     | Nut                | Carbon Steel                                   | ---                                         | 1          |
| 2     | Washer             | Carbon Steel                                   | ---                                         | 1          |
| 3     | Handwheel          | S.G Iron                                       | IS 1865 Gr. 400 / 15                        | 1          |
| 4     | Stem               | Stainless Steel                                | ASTM A 276 Type 410                         | 1          |
| 5     | Yoke Bush          | Aluminium Bronze                               | BS EN 1982 AB - 1                           | 1          |
| 6     | Locking Screw      | Carbon Steel                                   | IS 1367                                     | 1          |
| 7     | Gland Flange       | Cast Steel                                     | IBR 73-80 Gr. B                             | 1          |
| 8     | Gland              | Stainless Steel                                | ASTM A 276 Type 410                         | 1          |
| 9     | Bonnet             | Cast Steel                                     | IBR 73-80 Gr. B                             | 1          |
| 10    | Gland Packing      | Braided Graphite                               | ---                                         | -          |
| 11    | Gasket             | Spiral Wound S.S (Type 316)<br>Graphite Filled | ---                                         | 1          |
| 12    | Back Seat Bush     | Aluminium Bronze                               | BS EN 1982 AB - 1                           | 1          |
| 13    | Stem Nut           | Stainless Steel                                | ASTM A 276 Type 410                         | 1          |
| 14    | Disc               | Cast Steel                                     | IBR 73-80 Gr. B                             | 1          |
| 15    | Seat Ring          | Stainless Steel                                | ASTM A 276 Type 410 /<br>ASTM A 182 Gr. F6a | 1          |
| 16    | Body Seat Ring     | Stainless Steel                                | ASTM A 276 Type 410 /<br>ASTM A 182 Gr. F6a | 1          |
| 17    | Body               | Cast Steel                                     | IBR 73-80 Gr. B                             | 1          |
| 18    | Nuts               | H.T Steel                                      | ASTM A 194 Gr. 2H                           | As<br>Reqd |
| 19    | Studs              | Alloy Steel                                    | ASTM A 193 Gr. B7                           | As<br>Reqd |
| 20    | Nuts For Eye Bolts | H.T Steel                                      | ASTMA 194 Gr. 2H                            | 2          |
| 21    | Eye Bolts          | Stainless Steel                                | ASTM A 182 Gr. F6a                          | 2          |
| 22    | Pins For Eye Bolts | Stainless Steel                                | ASTM A 276 Type 410                         | 2          |



### Sizes / Dimensions

| Size (Inches) | Size (mm) | A ±1.5 | B ~ | ØC ~ |
|---------------|-----------|--------|-----|------|
| 1/2           | 15        | 130    | 190 | 120  |
| 3/4           | 20        | 150    | 190 | 120  |
| 1             | 25        | 160    | 215 | 150  |
| 1 1/4         | 32        | 180    | 230 | 150  |
| 1 1/2         | 40        | 200    | 259 | 180  |

| Size (Inches) | Size (mm) | A ±1.5 | B ~ | ØC ~ |
|---------------|-----------|--------|-----|------|
| 2             | 50        | 230    | 272 | 180  |
| 2 1/2         | 65        | 290    | 316 | 200  |
| 3             | 80        | 310    | 341 | 235  |
| 4             | 100       | 350    | 395 | 295  |
| 6             | 150       | 480    | 500 | 350  |
| 8             | 200       | 600    | 525 | 435  |

~ ±10

## 1072 Cast Steel Horizontal Lift Check Valve (Flanged) I.B.R

### Salient Features

- Flanged Ends to DIN 2545 PN 40.
- Bolted Cover, Straight Pattern.
- Renewable 13% Cr. Stainless Steel (S.S 410) working parts.
- Minimum pressure drop inside the body due to well contoured body design.
- Suitable for thermic fluid application also.

Test Pressure (Hydrostatic) :

Shell : 60 bar (870 psig)

Maximum Working Pressure : 40 bar (580 psig)

Maximum Working Temperature : 425°C

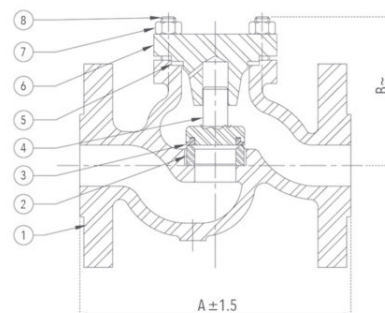
### Suitable For

Steam, Water, Oil



### Materials

| P.No. | Name of Part   | Material of Material                            | Specification       | Qty.     |
|-------|----------------|-------------------------------------------------|---------------------|----------|
| 1     | Body           | Cast Steel                                      | IBR 73-80 Gr. B     | 1        |
| 2     | Body Seat Ring | Stainless Steel                                 | ASTM A 276 Type 410 | 1        |
| 3     | Disc Ring      | Stainless Steel                                 | ASTM A 276 Type 410 | 1        |
| 4     | Disc           | Cast Steel                                      | IBR 73 - 80 Gr. B   | 1        |
| 5     | Gasket         | Spiral Wound S.S. (Type 316)<br>Graphite Filled | - - -               | 1        |
| 6     | Cover          | Cast Steel                                      | IBR 73-80 Gr. B     | 1        |
| 7     | Nuts           | H.T. Steel                                      | ASTM A 194 Gr. 2H   | As Reqd. |
| 8     | Studs          | Alloy Steel                                     | ASTM A 193 Gr. B7   | As Reqd. |



### Sizes / Dimensions

| Size (Inches) | Size (mm) | A ±1.5 | B ~ |
|---------------|-----------|--------|-----|
| 1/2           | 15        | 130    | 86  |
| 3/4           | 20        | 150    | 86  |
| 1             | 25        | 160    | 100 |
| 1 1/4         | 32        | 180    | 102 |
| 1 1/2         | 40        | 200    | 113 |
| 2             | 50        | 230    | 123 |
| 2 1/2         | 65        | 290    | 155 |
| 3             | 80        | 310    | 170 |
| 4             | 100       | 350    | 192 |
| 6             | 150       | 480    | 250 |
| 8             | 200       | 600    | 275 |

~ ±10

## 1073 Cast Steel Y-Type Strainer (Flanged) I.B.R.

### Salient Features

- Flanged Ends to BS 10 Table 'J'.
- Stainless Steel (S.S 304) perforated sheet screen (Ø1 mm Perforation) is guided in body and cover.
- Drain Plug to remove the accumulated foreign particles.
- Fine finish and smooth contours to minimize pressure drop inside the strainer.
- Large screening area makes the strainer more efficient.
- Suitable for thermic fluid application also.

Test Pressure (Hydrostatic) : 49 kg/cm<sup>2</sup>g (700 psig)  
Maximum Working Pressure (Steam) : 24.60 kg/cm<sup>2</sup>g (350 psig)  
Maximum Working Temperature : 425°C

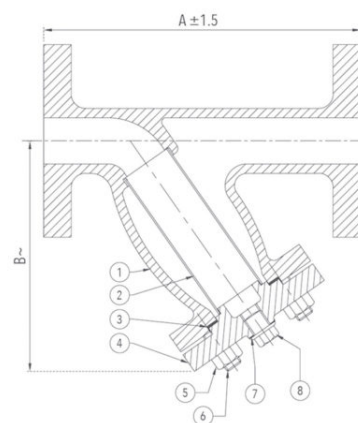
### Suitable For

Steam, Water, Oil



### Materials

| P.No. | Name of Part               | Material of Construction | Specification     | Qty.    |
|-------|----------------------------|--------------------------|-------------------|---------|
| 1     | Body                       | Cast Steel               | IBR 73 - 80 Gr. B | 1       |
| 2     | Screen (Ø1 mm Perforation) | Stainless Steel          | Type 304          | 1       |
| 3     | Gasket                     | Steam Jointing Sheet     | IS 2712 Gr. W/3   | 1       |
| 4     | Bonnet                     | Cast Steel               | IBR 73-80 Gr. B   | 1       |
| 5     | Nuts                       | H.T Steel                | ASTM A 194 Gr. 2H | As Reqd |
| 6     | Studs                      | Alloy Steel              | ASTM A 193 Gr. B7 | As Reqd |
| 7     | Gasket                     | Steam Jointing Sheet     | IS 2712 Gr. W/3   | 1       |
| 8     | Plug                       | Bronze                   | IS 318 Gr. LTB2   | 1       |



### Sizes / Dimensions

| Size (Inches) | Size (mm) | A ±1.5 | B ~ |
|---------------|-----------|--------|-----|
| 1             | 25        | 181    | 135 |
| 1 1/4         | 32        | 222    | 170 |
| 1 1/2         | 40        | 260    | 200 |
| 2             | 50        | 276    | 225 |
| 2 1/2         | 65        | 286    | 250 |
| 3             | 80        | 296    | 280 |
| 4             | 100       | 403    | 312 |
| 6             | 150       | 476    | 364 |

~ ±10

## 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

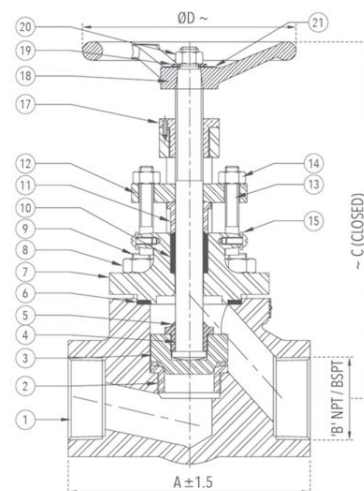
### Suitable For

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

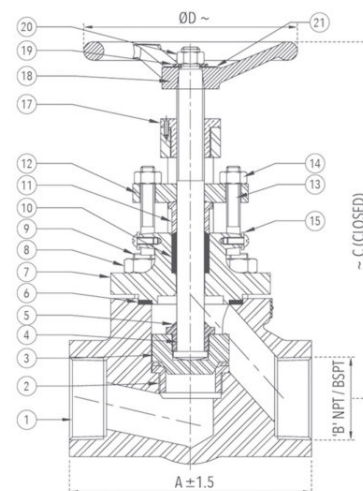
#### Suitable For

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

## 1075 Forged Steel Gate Valve, Class-800 (Standard 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

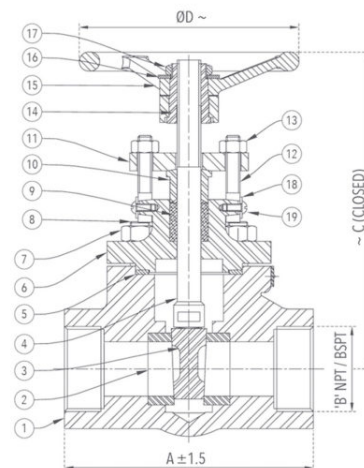
#### Suitable For

Steam, Water, Oil



### 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 A276 Type 410 / ASTM A 182 Gr. F6a | 2    |
| 3     | Wedge (Solid)        | Stainless Steel                                | ASTM A217 Gr. CA 15                     | 1    |
| 4     | Stem                 | Stainless Steel                                | ASTM A276 Type 410 / ASTM A 182 Gr. F6a | 1    |
| 5     | Gasket               | Spiral Wound S.S (Type 316) Graphite Filled    | ---                                     | 1    |
| 6     | Bonnet               | Forged Carbon Steel                            | ASTM A 105                              | 1    |
| 7     | Bonnet Nut           | Alloy Steel                                    | ASTM A 194 Gr. 2H                       | 4    |
| 8     | Stud                 | Alloy Steel                                    | ASTM A 193 Gr. B7                       | 4    |
| 9     | Gland Packing        | Non Asbestos Graphite With Corrosion Inhibitor | ---                                     |      |
| 10    | Gland                | Stainless Steel                                | ASTM A276 Type 410.                     | 1    |
| 11    | Gland Flange         | Carbon Steel                                   | ---                                     | 1    |
| 12    | Eye Bolt             | Stainless Steel                                | ASTM A276 Type 410 / ASTM A 182 Gr. F6a | 2    |
| 13    | Nut                  | Alloy Steel                                    | ASTM A194 Gr. 2H                        | 2    |
| 14    | Yoke Sleeve          | Aluminium Bronze                               | BSEN 1982 AB - 1                        | 1    |
| 15    | Handwheel            | Ductile Iron                                   | ASTM A 536 / IS 1865                    | 1    |
| 16    | Identification Plate | Aluminium                                      | ---                                     | 1    |
| 17    | Check Nut            | Stainless Steel                                | ASTM A 276 Type 410                     | 1    |
| 18    | Washer               | Carbon Steel                                   | ---                                     | 2    |
| 19    | Screw                | Carbon Steel                                   | ---                                     | 2    |



### Sizes / Dimensions

| Size (Inches) | Size (mm) | A ±1.5 | B      | C ~ | ØD ~ |
|---------------|-----------|--------|--------|-----|------|
| 1/2           | 15        | 85     | 1/2"   | 143 | 85   |
| 3/4           | 20        | 86     | 3/4"   | 146 | 85   |
| 1             | 25        | 101    | 1"     | 162 | 95   |
| 1 1/4         | 32        | 140    | 1 1/4" | 226 | 155  |
| 1 1/2         | 40        | 140    | 1 1/2" | 226 | 155  |
| 2             | 50        | 164    | 2"     | 230 | 155  |

~ ±10

## 1075A Forged Steel Gate 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

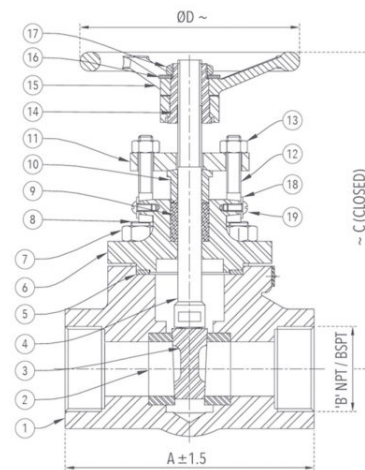
#### Suitable For

Steam, Water, Oil



### 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 A276 Type 410 / ASTM A 182 Gr. F6a | 2    |
| 3     | Wedge (Solid)        | Stainless Steel                                | ASTM A217 Gr. CA 15                     | 1    |
| 4     | Stem                 | Stainless Steel                                | ASTM A276 Type 410 / ASTM A 182 Gr. F6a | 1    |
| 5     | Gasket               | Spiral Wound S.S. (Type 316) Graphite Filled   | ---                                     | 1    |
| 6     | Bonnet               | Forged Carbon Steel                            | ASTM A 105                              | 1    |
| 7     | Bonnet Nut           | Alloy Steel                                    | ASTM A 194 Gr. 2H                       | 4    |
| 8     | Stud                 | Alloy Steel                                    | ASTM A 193 Gr. B7                       | 4    |
| 9     | Gland Packing        | Non Asbestos Graphite With Corrosion Inhibitor | ---                                     |      |
| 10    | Gland                | Stainless Steel                                | ASTM A276 Type 410.                     | 1    |
| 11    | Gland Flange         | Carbon Steel                                   | ---                                     | 1    |
| 12    | Eye Bolt             | Stainless Steel                                | ASTM A276 Type 410 / ASTM A 182 Gr. F6a | 2    |
| 13    | Nut                  | Alloy Steel                                    | ASTM A194 Gr. 2H                        | 2    |
| 14    | Yoke Sleeve          | Aluminium Bronze                               | BSEN 1982 AB - 1                        | 1    |
| 15    | Handwheel            | Ductile Iron                                   | ASTM A 536 / IS 1865                    | 1    |
| 16    | Identification Plate | Aluminium                                      | ---                                     | 1    |
| 17    | Check Nut            | Stainless Steel                                | ASTM A 276 Type 410                     | 1    |
| 18    | Washer               | Carbon Steel                                   | ---                                     | 2    |
| 19    | Screw                | Carbon Steel                                   | ---                                     | 2    |



### Sizes / Dimensions

| Size (Inches) | Size (mm) | A ±1.5 | B      | C ~ | ØD ~ |
|---------------|-----------|--------|--------|-----|------|
| 3/8           | 10        | 85     | 3/8"   | 143 | 85   |
| 1/2           | 15        | 86     | 1/2"   | 146 | 85   |
| 3/4           | 20        | 101    | 3/4"   | 162 | 95   |
| 1             | 25        | 140    | 1"     | 226 | 155  |
| 1 1/4         | 32        | 140    | 1 1/4" | 226 | 155  |
| 1 1/2         | 40        | 164    | 1 1/2" | 230 | 155  |

~ ±10

## 1076 Forged Steel Horizontal Lift Check Valve, Class-800 (Standard Bore) I.B.R.

### Salient Features

- Design Standard API 602/BS EN ISO 15761 (BS 5352).
- Body and Cover are Phosphated, to ensure maximum protection from rust.
- Bolted Cover.
- Screwed Female Ends to BSPT / NPT / Socket Welded to ANSI B16.11.

Test Pressure (Hydrostatic) :

Shell : 207 bar (3000 psig)

Seat : 152 bar (2200 psig)

Maximum Working Temperature : 425°C

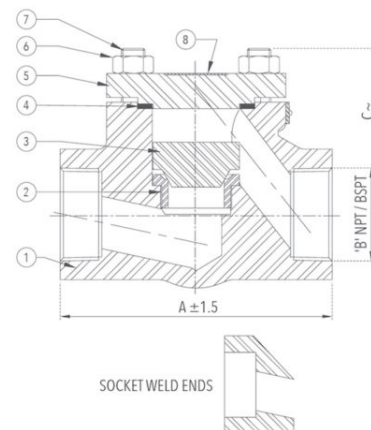
### Suitable For

Steam, Water, Oil



### 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 A182 Gr. F6a | 1    |
| 3     | Disc                 | Stainless Steel                         | ASTM A 276 Type 410                     | 1    |
| 4     | Gasket               | Spiral Wound (Type 316) Graphite Filled | ---                                     | 1    |
| 5     | Cover                | Forged Carbon Steel                     | ASTM A 105                              | 1    |
| 6     | Stud                 | Alloy Steel                             | ASTM A 193 Gr. B7                       | 4    |
| 7     | Nut                  | Alloy Steel                             | ASTM A 194 Gr. 2H                       | 4    |
| 8     | Identification Plate | Aluminium                               | ---                                     | 1    |



### Sizes / Dimensions

| Size (Inches) | Size (mm) | A ±1.5 | B      | C ~ |
|---------------|-----------|--------|--------|-----|
| 1/2           | 15        | 85     | 1/2"   | 61  |
| 3/4           | 20        | 86     | 3/4"   | 61  |
| 1             | 25        | 101    | 1"     | 76  |
| 1 1/4         | 32        | 140    | 1 1/4" | 105 |
| 1 1/2         | 40        | 140    | 1 1/2" | 105 |
| 2             | 50        | 164    | 2"     | 105 |

~ ±10

## 1076A Forged Steel Horizontal Lift Check Valve, Class-800 (Full Bore) I.B.R.

### Salient Features

- Design Standard API 602 / BS EN ISO 15761 (BS 5352).
- Body and Cover are Phosphated, to ensure maximum protection from rust.
- Bolted Cover.
- Screwed Female Ends to BSPT / NPT / Socket Welded to ANSI B16.11.

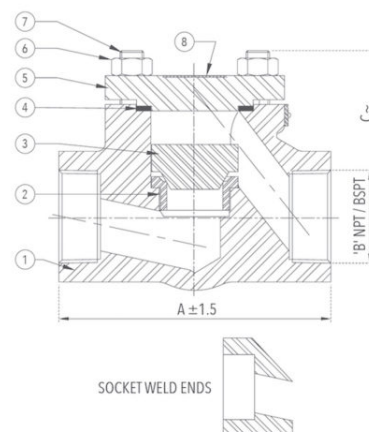
Test Pressure (Hydrostatic) :  
Shell : 207 bar (3000 psig)  
Seat : 152 bar (2200 psig)  
Maximum Working Temperature : 425°C

**Suitable For**  
Steam, Water, Oil



### 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 A182 Gr. F6a | 1    |
| 3     | Disc                 | Stainless Steel                         | ASTM A 276 Type 410                     | 1    |
| 4     | Gasket               | Spiral Wound (Type 316) Graphite Filled | ---                                     | 1    |
| 5     | Cover                | Forged Carbon Steel                     | ASTM A 105                              | 1    |
| 6     | Stud                 | Alloy Steel                             | ASTM A 193 Gr. B7                       | 4    |
| 7     | Nut                  | Alloy Steel                             | ASTM A 194 Gr. 2H                       | 4    |
| 8     | Identification Plate | Aluminium                               | ---                                     | 1    |



### Sizes / Dimensions

| Size (Inches) | Size (mm) | A ±1.5 | B      | C ~ |
|---------------|-----------|--------|--------|-----|
| 3/8           | 10        | 85     | 3/8"   | 61  |
| 1/2           | 15        | 86     | 1/2"   | 61  |
| 3/4           | 20        | 101    | 3/4"   | 76  |
| 1             | 25        | 140    | 1"     | 105 |
| 1 1/4         | 32        | 140    | 1 1/4" | 105 |
| 1 1/2         | 40        | 164    | 1 1/2" | 105 |

~ ±10

## 1077 Cast Steel Gate Valve, Class-150 (Flanged) I.B.R

### Salient Features

- Design Standard BS EN ISO 10434 / API 600.
- Bolted Bonnet, Outside Screw, Yoke Type, Rising Stem.
- Renewable 13% Cr. Stainless Steel (S.S 410) working parts.
- Handwheel Operated.
- Flanged Ends as per ASME B 16.5 Class-150.

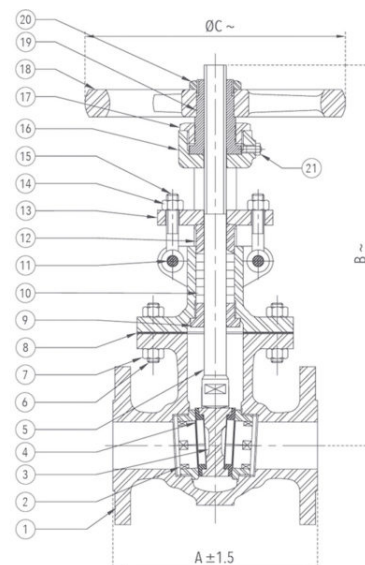
Test Pressure (Hydrostatic) :  
Shell : 31 kg/cm<sup>2</sup>g (425 psig)  
Seat : 21kg/cm<sup>2</sup>g (313 psig)  
Seat (Steam) : 10.55 kg/cm<sup>2</sup>g (150 psig)  
Maximum Working Temperature : 425°C

**Suitable For**  
Steam, Water, Oil



### Materials

| P.No. | Name of Part      | Material of Construction | Specification                            | Qty.     |
|-------|-------------------|--------------------------|------------------------------------------|----------|
| 1     | Body              | Cast Steel               | ASTM A 216 Gr. WCB                       | 1        |
| 2     | Body Seat Ring    | Stainless Steel          | ASTM A 276 Type 410 / ASTM A 182 Gr. F6a | 2        |
| 3     | Wedge             | Cast Steel               | ASTM A 216 Gr. WCB                       | 1        |
| 4     | Wedge Facing Ring | Stainless Steel          | ASTM A 276 Type 410 / ASTM A 182 Gr. F6a | 2        |
| 5     | Stem              | Stainless Steel          | ASTM A 276 Type 410 / ASTM A 182 Gr. F6a | 1        |
| 6     | Studs             | Alloy Steel              | ASTM A 193 Gr. B7                        | As Reqd. |
| 7     | Nuts              | H.T. Steel               | ASTM A 194 Gr. 2H                        | As Reqd. |
| 8     | Gasket            | Steam Jointing Sheet     | IS 2712 Gr. W/3                          | 1        |
| 9     | Back Seat Bush    | Aluminium Bronze         | BS EN 1982 Gr. AB - 1                    | 1        |
| 10    | Gland Packing     | Braided Graphite         | IS 4687                                  | -        |
| 11    | Pin For Eye Bolt  | Stainless Steel          | ASTM A 276 Type 410                      | 2        |
| 12    | Gland             | Stainless Steel          | ASTM A 276 Type 410                      | 1        |
| 13    | Gland Flange      | Carbon Steel             | - - -                                    | 1        |
| 14    | Nuts              | H.T. Steel               | ASTM A 194 Gr. 2H                        | 2        |
| 15    | Eye Bolts         | Stainless Steel          | ASTM A 276 Type 410                      | 2        |
| 16    | Bonnet            | Carbon Steel             | ASTM A 216 Gr. WCB                       | 1        |
| 17    | Sleeve Nut        | Stainless Steel          | ASTM A 276 Type 410                      | 1        |
| 18    | Handwheel         | Nodular Iron             | ASTM A 439 D2                            | 1        |
| 19    | Yoke Sleeve       | S.G. Iron                | IS 1865 Gr. 400 / 15                     | 1        |
| 20    | Handwheel Nut     | Carbon Steel             | - - -                                    | 1        |
| 21    | Grease Nipple     | Carbon Steel             | - - -                                    | 1        |



### Sizes / Dimensions

| Size (Inches) | Size (mm) | A ± 1.5 | B ~ | ØC ~ |
|---------------|-----------|---------|-----|------|
| 1 1/2         | 40        | 165     | 330 | 210  |
| 2             | 50        | 178     | 340 | 210  |
| 2 1/2         | 65        | 190     | 395 | 210  |
| 3             | 80        | 203     | 430 | 225  |
| 4             | 100       | 229     | 521 | 255  |



| Size (Inches) | Size (mm) | A ±1.5 | B ~ | ØC ~ |
|---------------|-----------|--------|-----|------|
| 5             | 125       | 254    | 568 | 255  |
| 6             | 150       | 267    | 666 | 356  |
| 8             | 200       | 292    | 783 | 400  |

~ ±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

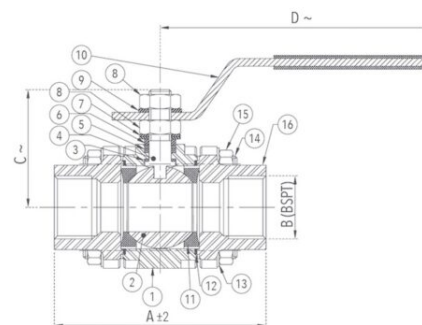
### Suitable For

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

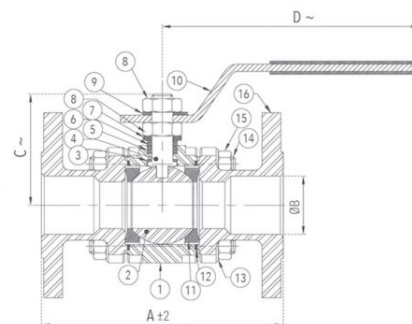
### Suitable For

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

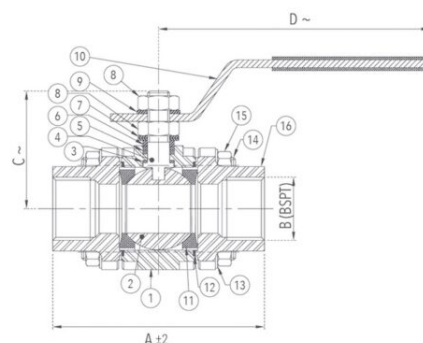
### Suitable For

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

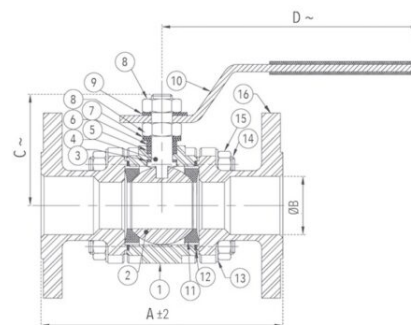
### Suitable For

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

## 1088 Cast Steel Three Piece Design Ball Valve, Class-150 (Screwed)

I.B.R

### 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 (440psig)

Seat : 21kg/cm<sup>2</sup>g (300 psig)

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

Maximum Working Temperature : 220°C

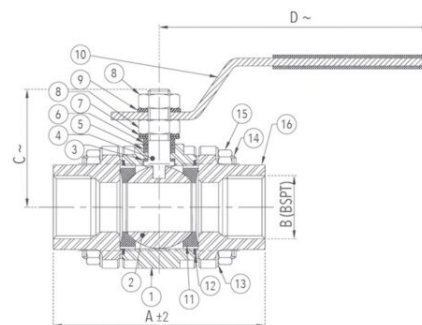
### Suitable For

Steam, Water, Oil



### Materials

| P.No. | Name of Part   | Material of Construction | Specification                            | Qty. |
|-------|----------------|--------------------------|------------------------------------------|------|
| 1     | Body           | Cast Steel               | ASTM A 216 Gr. WCB                       | 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          | ASTM A 276 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  | Cast Steel               | ASTM A 216 Gr. WCB                       | 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

## 1089 Cast Steel Three Piece Design Ball Valve, Class-150 (Flanged)

I.B.R.

### Salient Features

- Design Standard BS EN ISO 17292 (BS 5351).
- Flanged Ends to ANSI 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)  
Seat : 21kg/cm<sup>2</sup>g (30 psig)  
Seat (Steam) : 10.55 kg/cm<sup>2</sup>g (150 psig)  
Maximum Working Temperature : 220°C

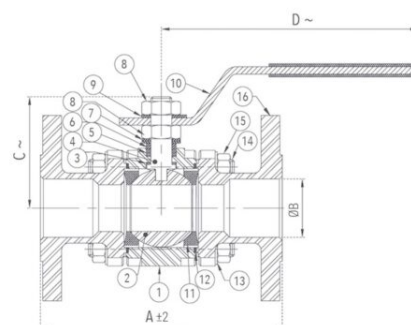
### Suitable For

Steam, Water, Oil



### Materials

| P.No. | Name of Part   | Material of Construction | Specification                            | Qty. |
|-------|----------------|--------------------------|------------------------------------------|------|
| 1     | Body           | Cast Steel               | ASTM A 216 Gr. WCB                       | 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          | ASTM A 276 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  | Cast Steel               | ASTM A 216 Gr. WCB                       | 2    |



### Sizes / Dimensions

| Size (Inches) | Size (mm) | A ±2 | ØB   | 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



## 1094 Bronze Spring Loaded Safety Relief Valve, Open Discharge (Screwed)

### Salient Features

- Screwed Male End to IS 554 / BS 21 / ISO 7.
- Open Discharge Type.
- Metal to Rubber contact seating.

Test Pressure (Hydrostatic) :

Shell : 21.10 kg/cm<sup>2</sup>g (300 psig)

Seat : 10.55 kg/cm<sup>2</sup>g (150 psig)

Set Pressure Range : 0 - 10 kg/cm<sup>2</sup>g (Max.)

Maximum Working Temperature : 80°C

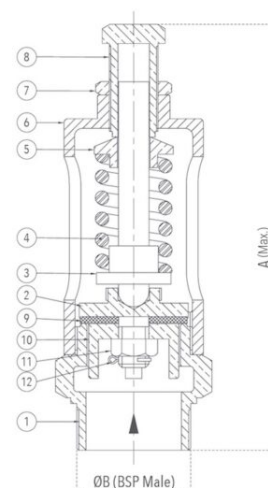
### Suitable For

Water, Oil, Air



### Materials

| P.No. | Name of Part    | Material of Construction | Specification                      | Qty. |
|-------|-----------------|--------------------------|------------------------------------|------|
| 1     | Body            | Bronze / Forged Brass    | IS 318 Gr. LTB 2 / IS 6912 Gr. FLB | 1    |
| 2     | Disc            | Bronze                   | IS 318 Gr. LTB 2                   | 1    |
| 3     | Stem            | Bronze                   | IS 318 Gr. LTB 2                   | 1    |
| 4     | Spring          | Spring Steel             | EN 47 Gr. B                        | 1    |
| 5     | Spring Disc     | Bronze                   | IS 318 Gr. LTB 2                   | 1    |
| 6     | Chamber         | Bronze                   | IS 318 Gr. LTB 2                   | 1    |
| 7     | Check Nut       | Bronze                   | IS 318 Gr. LTB 2                   | 1    |
| 8     | Adjusting Screw | Bronze                   | IS 318 Gr. LTB 2                   | 1    |
| 9     | Disc Facing     | Nitrile Rubber           | IS 5192 - 1                        | 1    |
| 10    | Guide           | Bronze                   | IS 318 Gr. LTB 2                   | 1    |
| 11    | Nut             | Brass                    | ---                                | 1    |
| 12    | Split Pin       | Brass                    | ---                                | 1    |



### Sizes / Dimensions

| Size (Inches) | Size (mm) | A (Max.) | B      |
|---------------|-----------|----------|--------|
| 1/2*          | 15*       | 170      | 1/2"   |
| 3/4*          | 20*       | 170      | 3/4"   |
| 1*            | 25*       | 190      | 1"     |
| 1 1/4         | 32        | 203      | 1 1/4" |
| 1 1/2         | 40        | 225      | 1 1/2" |
| 2             | 50        | 265      | 2"     |

\* For size 15, 20 & 25 the body is of Forged Brass

NOTE : Also available in Metal to Metal contact seating.

## 1094A Bronze Spring Loaded Safety Relief Valve, Enclosed Discharge (Screwed)

### Salient Features

- Screwed Male End to IS 554 / BS 21 / ISO7.
- Enclosed Discharge Type.
- Metal to Rubber contact seating.

Test Pressure (Hydrostatic) :

Shell : 21.10 kg/cm<sup>2</sup>g (300 psig)

Seat : 10.55 kg/cm<sup>2</sup>g (150 psig)

Set Pressure Range : 0-10 kg/cm<sup>2</sup>g (Max.)

Maximum Working Temperature : 80°C

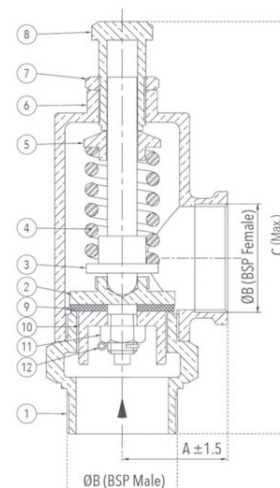
### Suitable For

Water, Oil, Air



### Materials

| P.No. | Name of Part    | Material of Construction | Specification                      | Qty. |
|-------|-----------------|--------------------------|------------------------------------|------|
| 1     | Body            | Bronze / Forged Brass    | IS 318 Gr. LTB 2 / IS 6912 Gr. FLB | 1    |
| 2     | Disc            | Bronze                   | IS 318 Gr. LTB 2                   | 1    |
| 3     | Stem            | Bronze                   | IS 318 Gr. LTB 2                   | 1    |
| 4     | Spring          | Spring Steel             | EN 47 Gr. B                        | 1    |
| 5     | Spring Disc     | Bronze                   | IS 318 Gr. LTB 2                   | 1    |
| 6     | Chamber         | Bronze                   | IS 318 Gr. LTB 2                   | 1    |
| 7     | Check Nut       | Bronze                   | IS 318 Gr. LTB 2                   | 1    |
| 8     | Adjusting Screw | Bronze                   | IS 318 Gr. LTB 2                   | 1    |
| 9     | Disc Facing     | Nitrile Rubber           | IS 5192 - 1                        | 1    |
| 10    | Guide           | Bronze                   | IS 318 Gr. LTB 2                   | 1    |
| 11    | Nut             | Brass                    | - - -                              | 1    |
| 12    | Split Pin       | Brass                    | - - -                              | 1    |



### Sizes / Dimensions

| Size (Inches) | Size (mm) | A ±1.5 | B      | C ~ |
|---------------|-----------|--------|--------|-----|
| 1/2*          | 15*       | 33     | 1/2"   | 170 |
| 3/4*          | 20*       | 38.5   | 3/4"   | 170 |
| 1*            | 25*       | 45     | 1"     | 190 |
| 1 1/4         | 32        | 45     | 1 1/4" | 203 |
| 1 1/2         | 40        | 47.5   | 1 1/2" | 225 |
| 2             | 50        | 57     | 2"     | 265 |

\* For size 15, 20 & 25 the body is of Forged Brass

NOTE : Also available in Metal to Metal contact seating.

## 1035C Bronze Gate Valve Rising Stem, Class-2 (Screwed)

### Salient Features

- Screwed female ends to IS 554 / BS21 / ISO - 7.
- Screwed in Bonnet, Inside Screw, Rising Stem, Integral Seat, Solid Wedge.
- Provision for Re-packing under pressure.
- Designed sheet metal handwheel for a firm grip and convenient operation.
- Premium quality PTFE Gland Packing.

Test Pressure(Hydrostatic) Class-2 :

Shell : 2.4 Mpa

Seat & Back Seat : 1.6 Mpa

Maximum Working Temperature : 225°C

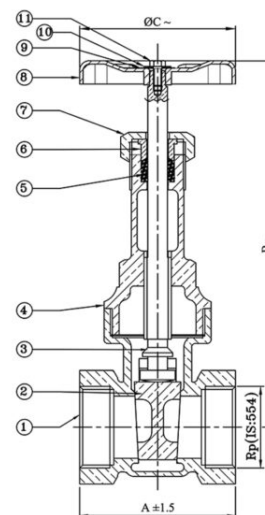
### Suitable For

Water, Oil



### Materials

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



### Sizes / Dimensions

| Size (Inches) | Size (mm) | A ±1.5 | B ~ | ØC ~ | D      |
|---------------|-----------|--------|-----|------|--------|
| 1/2           | 15        | 60     | 120 | 60   | 1/2"   |
| 3/4           | 20        | 60     | 128 | 65   | 3/4"   |
| 1             | 25        | 70     | 150 | 70   | 1"     |
| 1 1/4         | 32        | 80     | 188 | 80   | 1 1/4" |
| 1 1/2         | 40        | 90     | 214 | 90   | 1 1/2" |
| 2             | 50        | 100    | 243 | 110  | 2"     |

~ ±10