

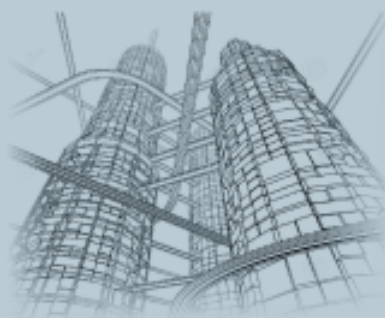
Durability - Reliability - Performance



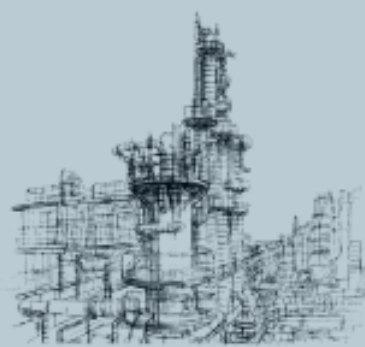
## CATALOGUE



*Domestic*



*Commercial*



*Industrial*

Gun Metal, Brass, Bronze,  
Cast Iron, Stainless Steel  
& Cast Steel

Industrial and Domestic

VALVES





COMPANY  
**approvels**

## APPLICATIONS

A wide range of "DRP" products with ISI marked (can be made to customers specifications also) cater to the need of various industries like:

- ✓ CEMENT PLANTS
- ✓ SUGAR MILLS
- ✓ TEXTILE PLANTS
- ✓ PAPER & JUTE PLANT
- ✓ POWER PLANT
- ✓ FERTILIZER PLANT
- ✓ STEEL PLANTS
- ✓ WATER WORKS
- ✓ BOILERS

*..also indeed at any place where water, steam or any liquid flows in pipes.*





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## COMPANY PROFILE

### TIME LINE

- 1965** Started operations as a foreman under the name MEENU METAL.
- 1968** Join as a Partner at MEENU METAL.
- 1976** DRP METAL WORKS was established for manufacturing of DRP brand valves.
- 1985** Reconstruction of unit to increase production.
- 1987** Stainless Steel Valves introduced in Indian market.
- 1989** Introduced Brass Ball Valve first time in India.
- 1992** Start C.I. Industrial Valves by name "VEESON".
- 1996** Introduced M.I.G.I. Pipe Fitting under brand DRP-M
- 2000** ISO 9001 : 2008 certification.
- 2006** Introduced fully automatic CNC machines for complete process.
- 2012** Shifted to new premises with an area to 270 000 Sq. Feet.
- 2013** Start high pressure M.S. Forged Fittings
- 2015** Legacy Continues .....



Our Company DRP Metal Works (Regd.) is directly engaged in the manufacturing and marketing of valves since 1976, founded by Mr. Pran Bhala. We have expert knowledge and experience in design and manufacture of valves for Water, Oil, Steam & Gas needs. The current plant was expanded in 2013 sq/feet 270000. The plant is equipped with a large array of machining units and test facilities handling valves.

Our innate forethought to study & identify consumer need by offering well designed & engineered products, has made us one of the country's leading manufacturers of Bronze, Brass, Cast iron & Stainless Steel Valves.

We have extensive coverage & representation in the global markets through our sales agent network in all over 35 locations worldwide and growing. DRP VALVE aspires to deliver on-time world-class quality products managed by a highly experienced management team, continued investment, customer focus and continuous alignment to the dynamics driving the global markets.

We randomly check all parts for correct manufacture during the incoming goods check to ensure that every batch meets the specifications. Pressure-bearing parts are checked for strength and tightness before assembly. Qualified specialist personnel produce our goods using state-of-the-art CNC machines, degrees them with systems designed in house and create the appropriate markings

The DRP design and production staff includes highly qualified engineers with a long experience in all technical standards and in meeting customer's special requirements. Modern design methods are employed to analyse specific stresses and deformation limits of valve bodies and main valve components.

#### OUR MISSION:

To provide the highest possible quality valves at the most cost effective way to customers worldwide in the energy related industries.

WE LISTEN AND LEARN FROM OUR CUSTOMERS, EMPLOYEES AND EXPERIENCE.

**DIRECTOR'S**  
MESSAGE



At the outset, I offer my deep gratitude to our esteemed patronizing customers and business partner for the unflinching support and promotion of our products.

The seeds of Valve Industry sown by me in 1965 have grown to a behemoth of not only valves but also M.I.G.I., C.S. & Forged Steel pipe fittings. DRP Group is company committed to the growth of its business and its people.

We have proud distinction of offering widest possible product portfolio of pipe fitting and valves' manufacturing, We have got the state of art infrastructure, latest machines, testing, and research & development lab. The products are tested and guaranteed to meet advanced industrial standards. Our products have national recognition and are supplied to every possible corner of the country and abroad.

At DRP, it is our constant endeavor to offer the best possible quality of each product and ensure the highest level of customer satisfaction by practicing the Total Quality Management (TQM) at our group. Further, Customer care is one of the central aspects of our organizational culture. Total customer satisfaction is the only success mantra that carried us so far in this competitive market & it will remain our top priority. We are committed to serve our customers with the best quality products.

It gives me immense pleasure to release the catalogue. I thank and congratulate the engineering and publishing department of our group company DRP Metal Works for bringing out third edition of the catalogue.

***Pran Bhala*** (Mg. Director)

Valves are approved by several industries,  
Companies and Organizations  
They Include.

1. **Domestic and Industrial Lines.**
2. **Oil & Cement** Plants
3. **Various Chemical** Plants
4. **Food Processing** Units.

To increase as more and more manufacturers and  
customers realize that we can give quality products  
at reasonable price.

**ISO** Certification  
for more  
reliability...

## Certification & Approvals

**bsi.**

**Certificate of Registration**

QUALITY MANAGEMENT SYSTEM - ISO 9001:2008

This is to certify that:

DRP Metal Works (Regd.)  
Sodal Road  
Jalandhar  
Punjab  
India

Holds Certificate No: **FM 572713**  
and operates a Quality Management System which complies with the requirements of ISO 9001:2008 for the  
following scope:

The manufacture and supply of valves and cocks.

For and on behalf of BSI:

Gary Fenton, Global Assurance Director

Originally registered: 23/03/2014

Latest Issue: 23/03/2014

Expiry Date: 11/03/2017

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**bsi.** **IAF** **ANAB**

*making excellence a habit*

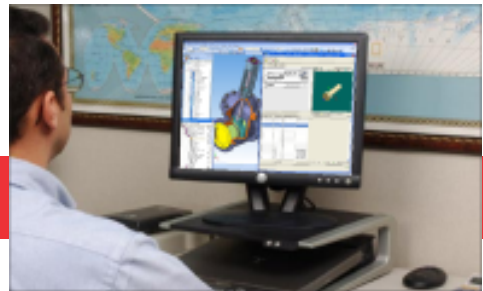
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## INHOUSE FACILITIES

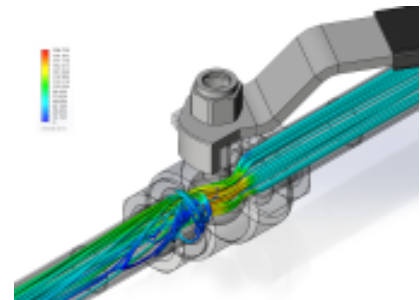
## PROCESS



Computer Added Designing



Automatic Shell Moulding Plant



Preparation of 3D models



Induction Furnace Casting.



# *process* INHOUSE FACILITIES



Short Blasting for fine finish



Assambling line of valves



Packing in Corrugated Boxes



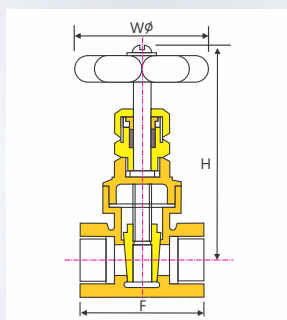
**GUN METAL GATE VALVE**  
Class-1 (Screwed)

Item Code **GI**



**FEATURES :** Non Rising stem, Screwed in bonnet, Inside screw, Integral seats, Screwed female ends to IS:554/BS 21/ISO 7, Unbreakable sheet metal Handwheel, Conforming to IS:778 Class-1, Provision of re-packing under pressure.

Specially Designed For:



| SIZE   |     | DIMENSIONS |     |     |  |
|--------|-----|------------|-----|-----|--|
| Inches | mm  | F          | H   | W   |  |
| 1/4    | 8   | 50         | 84  | 50  |  |
| 3/8    | 10  | 50         | 89  | 50  |  |
| 1/2    | 15  | 60         | 98  | 61  |  |
| 3/4    | 20  | 60         | 114 | 65  |  |
| 1      | 25  | 70         | 121 | 75  |  |
| 1¼     | 32  | 80         | 134 | 82  |  |
| 1½     | 40  | 90         | 156 | 92  |  |
| 2      | 50  | 100        | 177 | 99  |  |
| 2½     | 65  | 105        | 222 | 110 |  |
| 3      | 80  | 125        | 245 | 134 |  |
| 4      | 100 | 160        | 298 | 164 |  |

| MATERIALS                               |                      |                                       |
|-----------------------------------------|----------------------|---------------------------------------|
| Name of Part                            | Material             | Specification                         |
| Body                                    | Bronze               | IS : 318 Gr. LTB 2                    |
| Wedge                                   | Bronze               | IS : 318 Gr. LTB 2                    |
| Bonnet, Stuffing Box, Gland & Gland Nut | Bronze/ Forged Brass | IS : 318 Gr. LTB 2/ IS : 6912 Gr. FLB |
| Spindle                                 | Forged Brass         | IS : 6912 Gr. FLB                     |
| Handwheel                               | Sheet Metal          | IS : 4030                             |
| Gland Packing                           | Asbestos             | IS : 4687                             |
| Screw Bolt & Washer                     | Carbon Steel         | IS : 1367                             |





## GUN METAL GATE VALVE Class-1 (Flanged)

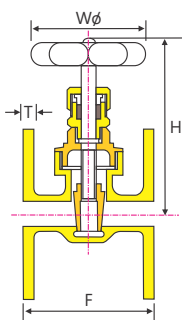


Item Code **GF**

**FEATURES** : Non Rising stem, Screwed in bonnet, Inside screw, Integral seats, Flanged ends to IS:778, Sheet metal/C.I. Handwheel, Conforming to IS:778 Class-1, Provision of re-packing under pressure.



Specially Designed For:



| SIZE   |     | DIMENSIONS |     |     |    |  |
|--------|-----|------------|-----|-----|----|--|
| Inches | mm  | F          | H   | W   | T  |  |
| 1/2    | 15  | 72         | 98  | 61  | 6  |  |
| 3/4    | 20  | 76         | 114 | 65  | 6  |  |
| 1      | 25  | 90         | 121 | 75  | 8  |  |
| 1¼     | 32  | 100        | 134 | 82  | 8  |  |
| 1½     | 40  | 110        | 156 | 92  | 9  |  |
| 2      | 50  | 120        | 177 | 99  | 11 |  |
| 2½     | 65  | 140        | 222 | 110 | 13 |  |
| 3      | 80  | 150        | 245 | 134 | 13 |  |
| 4      | 100 | 190        | 298 | 164 | 16 |  |

### MATERIALS

| Name of Part                            | Material                | Specification                            |
|-----------------------------------------|-------------------------|------------------------------------------|
| Body                                    | Bronze                  | IS : 318 Gr. LTB 2                       |
| Wedge                                   | Bronze                  | IS : 318 Gr. LTB 2                       |
| Bonnet, Stuffing Box, Gland & Gland Nut | Bronze/<br>Forged Brass | IS : 318 Gr. LTB 2/<br>IS : 6912 Gr. FLB |
| Spindle                                 | Forged Brass            | IS : 6912 Gr. FLB                        |
| Handwheel                               | Sheet Metal/ C.I.       | IS : 4030/IS:210 FG 200                  |
| Gland Packing                           | Asbestos                | IS : 4687                                |
| Screw Bolt & Washer                     | Carbon Steel            | IS : 1367                                |

HYD. Test Pressure **Shell : 1.5Mpa** **Seat & Backseat : 1.0Mpa**



## GUN METAL GATE VALVE Class-2 (Screwed)

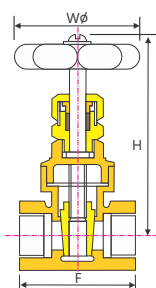


Item Code **GT**

**FEATURES** : Non Rising stem, Screwed in bonnet, Inside screw, Integral seats, Screwed female ends to IS:554/BS 21/ ISO 7, Unbreakable sheet metal Handwheel, Conforming to IS:778 Class-2, Provision of re-packing under pressure.



Specially Designed For:



| SIZE   |     | DIMENSIONS |     |     |  |
|--------|-----|------------|-----|-----|--|
| Inches | mm  | F          | H   | W   |  |
| 1/2    | 15  | 60         | 98  | 61  |  |
| 3/4    | 20  | 60         | 114 | 65  |  |
| 1      | 25  | 70         | 121 | 75  |  |
| 1¼     | 32  | 80         | 134 | 82  |  |
| 1½     | 40  | 90         | 156 | 92  |  |
| 2      | 50  | 100        | 177 | 99  |  |
| 2½     | 65  | 105        | 222 | 110 |  |
| 3      | 80  | 125        | 245 | 134 |  |
| 4      | 100 | 160        | 298 | 164 |  |

### MATERIALS

| Name of Part                            | Material                | Specification                            |
|-----------------------------------------|-------------------------|------------------------------------------|
| Body                                    | Bronze                  | IS : 318 Gr. LTB 2                       |
| Wedge                                   | Bronze                  | IS : 318 Gr. LTB 2                       |
| Bonnet, Stuffing Box, Gland & Gland Nut | Bronze/<br>Forged Brass | IS : 318 Gr. LTB 2/<br>IS : 6912 Gr. FLB |
| Spindle                                 | Forged Brass            | IS : 6912 Gr. FLB                        |
| Handwheel                               | Sheet Metal             | IS : 4030                                |
| Gland Packing                           | Asbestos                | IS : 4687                                |
| Screw Bolt & Washer                     | Carbon Steel            | IS : 1367                                |

HYD. Test Pressure **Shell : 2.4Mpa** **Seat & Backseat : 1.6Mpa**

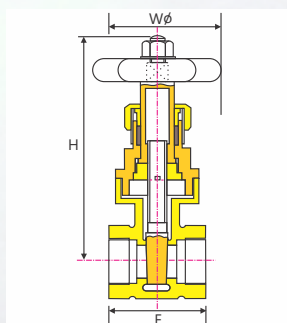


BRONZE GATE VALVE  
HATTERSLAY TYPE (Screwed)

Item Code **GH**

**FEATURES** : Non Rising stem, Screwed in bonnet, Inside screw, Integral seats, Screwed female ends to IS:554/BS 21/ ISO 7, Unbreakable sheet metal Handwheel, Compact design where space is factor. High quality PTFE gland packing.

Specially Designed For:



| SIZE   |     | DIMENSIONS |     |     |  |
|--------|-----|------------|-----|-----|--|
| Inches | mm  | F          | H   | W   |  |
| 1/2    | 15  | 46         | 106 | 53  |  |
| 3/4    | 20  | 50         | 116 | 59  |  |
| 1      | 25  | 56         | 127 | 60  |  |
| 1¼     | 32  | 56         | 145 | 69  |  |
| 1½     | 40  | 60         | 155 | 76  |  |
| 2      | 50  | 68         | 186 | 89  |  |
| 2½     | 65  | 74         | 210 | 113 |  |
| 3      | 80  | 85         | 252 | 125 |  |
| 4      | 100 | 96         | 330 | 160 |  |

| MATERIALS                   |                  |                                          |
|-----------------------------|------------------|------------------------------------------|
| Name of Part                | Material         | Specification                            |
| Body & Bonnet               | Bronze           | IS : 318 Gr. LTB 2                       |
| Wedge                       | Bronze           | IS : 318 Gr. LTB 2                       |
| Stem Nut, Gland & Gland Nut | Bronze/<br>Brass | IS : 318 Gr. LTB 2/<br>IS : 6912 Gr. FLB |
| Stem                        | Bronze           | IS : 318 Gr. LTB 2                       |
| Handwheel                   | Sheet Metal      | IS : 4030                                |
| Gland Packing               | Teflon           | PTFE                                     |
| Screw Bolt & Washer         | Carbon Steel     | IS : 1367                                |



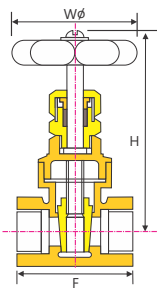
## GUN METAL GATE VALVE REGULAR TYPE (Screwed)

Item Code **GP**

**FEATURES** : Screwed ends to IS:554/BS 21/ ISO 7,  
Non rising stem, Screwed in bonnet, Inside screw,  
Design standard BS:5154, Sheet metal Handwheel,  
High quality PTFE gland packing.



Specially Designed For:



| SIZE   |     | DIMENSIONS |     |     |  |
|--------|-----|------------|-----|-----|--|
| Inches | mm  | F          | H   | W   |  |
| 1/4    | 8   | 41         | 84  | 50  |  |
| 3/8    | 10  | 41         | 84  | 50  |  |
| 1/2    | 15  | 45         | 100 | 50  |  |
| 3/4    | 20  | 54         | 102 | 60  |  |
| 1      | 25  | 56         | 113 | 66  |  |
| 1¼     | 32  | 62         | 112 | 72  |  |
| 1½     | 40  | 68         | 145 | 84  |  |
| 2      | 50  | 72         | 164 | 88  |  |
| 2½     | 65  | 81         | 195 | 113 |  |
| 3      | 80  | 87         | 224 | 132 |  |
| 4      | 100 | 115        | 277 | 158 |  |
| 6      | 150 | 167        | 390 | 185 |  |

### MATERIALS

| Name of Part        | Material     | Specification       |
|---------------------|--------------|---------------------|
| Body & Bonnet       | Bronze       | IS : 318 Gr. LTB 2  |
| Wedge               | Bronze       | IS : 318 Gr. LTB 2  |
| Stem Nut            | Bronze/      | IS : 318 Gr. LTB 2/ |
| Gland Nut           | Brass        | IS : 6912 Gr. FLB   |
| Stem & Gland        | Forged Brass | IS : 6912 Gr. FLB   |
| Handwheel           | Sheet Metal  | IS : 4030           |
| Gland Packing       | Asbestos     | IS : 4687           |
| Screw Bolt & Washer | Carbon Steel | IS : 1367           |

HYD. Test Pressure Shell : 24kg/cm<sup>2</sup> (340psig) Seat : 16kg/cm<sup>2</sup> (225psig)



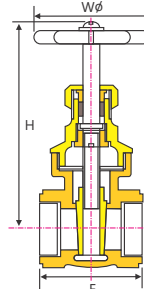
## GUN METAL GATE (TANKER) VALVE (Screwed)

Item Code **GS**

**FEATURES** : Non Rising stem, Screwed in bonnet,  
Inside screw, Solid double wedge, Screwed female  
ends to IS:554/BS 21/ ISO 7, Provision of re-packing  
under pressure. C.I. Handwheel.



Specially Designed For:



| SIZE   |    | DIMENSIONS |     |     |  |
|--------|----|------------|-----|-----|--|
| Inches | mm | F          | H   | W   |  |
| 3      | 80 | 98         | 224 | 130 |  |
|        |    |            |     |     |  |
|        |    |            |     |     |  |
|        |    |            |     |     |  |
|        |    |            |     |     |  |
|        |    |            |     |     |  |
|        |    |            |     |     |  |
|        |    |            |     |     |  |

### MATERIALS

| Name of Part          | Material     | Specification       |
|-----------------------|--------------|---------------------|
| Body                  | Bronze       | IS : 318 Gr. LTB 2  |
| Wedge                 | Bronze       | IS : 318 Gr. LTB 2  |
| Bonnet, Stuffing Box, | Bronze/      | IS : 318 Gr. LTB 2/ |
| Gland & Gland Nut     | Forged Brass | IS : 6912 Gr. FLB   |
| Spindle               | Forged Brass | IS : 6912 Gr. FLB   |
| Handwheel             | Cast Iron    | IS : 210 FG 200     |
| Gland Packing         | Asbestos     | IS : 4687           |
| Screw Bolt & Washer   | Carbon Steel | IS : 1367           |

HYD. Test Pressure Shell : 24kg/cm<sup>2</sup> (340psig) Seat : 16kg/cm<sup>2</sup> (225psig)





## GUN METAL WHEEL (GLOBE) VALVE

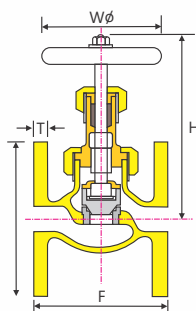
Class-1 (Flanged)

Item Code **WF**



**FEATURES** : Rising stem, Screwed in bonnet,  
Inside screw, Integral seats, Flanged ends  
to IS:778 Sheet metal / C.I. Handwheel,  
Provision of re-packing under pressure.  
Conforming to IS:778 Class-1.

Specially Designed For:



| SIZE   |     | DIMENSIONS |     |     |    |  |
|--------|-----|------------|-----|-----|----|--|
| Inches | mm  | F          | H   | W   | T  |  |
| 1/2    | 15  | 75         | 98  | 61  | 6  |  |
| 3/4    | 20  | 85         | 114 | 65  | 6  |  |
| 1      | 25  | 95         | 121 | 75  | 8  |  |
| 1 1/4  | 32  | 110        | 134 | 82  | 8  |  |
| 1 1/2  | 40  | 120        | 156 | 92  | 9  |  |
| 2      | 50  | 145        | 177 | 99  | 11 |  |
| 2 1/2  | 65  | 165        | 222 | 110 | 13 |  |
| 3      | 80  | 185        | 245 | 134 | 13 |  |
| 4      | 100 | 216        | 298 | 164 | 16 |  |

| MATERIALS                                  |                         |                                          |
|--------------------------------------------|-------------------------|------------------------------------------|
| Name of Part                               | Material                | Specification                            |
| Body                                       | Bronze                  | IS : 318 Gr. LTB 2                       |
| Wedge                                      | Bronze                  | IS : 318 Gr. LTB 2                       |
| Bonnet, Stuffing Box,<br>Gland & Gland Nut | Bronze/<br>Forged Brass | IS : 318 Gr. LTB 2/<br>IS : 6912 Gr. FLB |
| Spindle                                    | Forged Brass            | IS : 6912 Gr. FLB                        |
| Handwheel                                  | Sheet Metal/C.I.        | IS : 4030/IS:210 FG 200                  |
| Gland Packing                              | Asbestos                | IS : 4687                                |
| Screw Bolt & Washer                        | Carbon Steel            | IS : 1367                                |



## GUN METAL WHEEL VALVE Class-1 (Screwed)

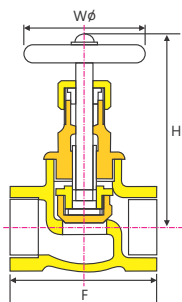


Item Code **WI**

**FEATURES** : Rising stem, Screwed in bonnet, Inside screw, Integral seats, Screwed female ends to IS:554/BS 21/ ISO 7, Conforming to IS:778 Class-1, Provision of re-packing under pressure, Body painted in Blue Colour, Steel metal/ C.I. Handwheel operated.



Specially Designed For:



| SIZE   |     | DIMENSIONS |     |     |  |
|--------|-----|------------|-----|-----|--|
| Inches | mm  | F          | H   | W   |  |
| 1/2    | 15  | 60         | 93  | 61  |  |
| 3/4    | 20  | 70         | 99  | 65  |  |
| 1      | 25  | 80         | 106 | 75  |  |
| 1¼     | 32  | 95         | 119 | 82  |  |
| 1½     | 40  | 110        | 128 | 91  |  |
| 2      | 50  | 125        | 150 | 98  |  |
| 2½     | 65  | 160        | 177 | 110 |  |
| 3      | 80  | 180        | 205 | 134 |  |
| 4      | 100 | 216        | 235 | 164 |  |

### MATERIALS

| Name of Part              | Material             | Specification                         |
|---------------------------|----------------------|---------------------------------------|
| Body                      | Bronze               | IS : 318 Gr. LTB 2                    |
| Wedge                     | Bronze               | IS : 318 Gr. LTB 2                    |
| Bonnet, Gland & Gland Nut | Bronze/ Forged Brass | IS : 318 Gr. LTB 2/ IS : 6912 Gr. FLB |
| Spindle                   | Forged Brass         | IS : 6912 Gr. FLB                     |
| Handwheel                 | Sheet Metal/C.I.     | IS : 4030/IS:210 FG 200               |
| Gland Packing             | Asbestos             | IS : 4687                             |
| Screw Bolt & Washer       | Carbon Steel         | IS : 1367                             |

HYD. Test Pressure **Shell : 1.5Mpa** **Seat & Backseat : 1.0Mpa**



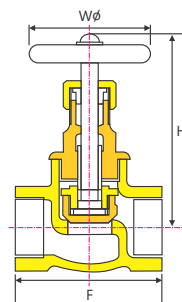
## GUN METAL WHEEL VALVE No.-4 (Screwed)

Item Code **W4**

**FEATURES** : Rising stem, Screwed in bonnet, Inside screw, Integral seats, Screwed female ends to IS:554/BS 21/ ISO 7, Unbreakable Sheet metal/ C.I. Handwheel operated. Rough finish body.



Specially Designed For:



| SIZE   |     | DIMENSIONS |     |     |  |
|--------|-----|------------|-----|-----|--|
| Inches | mm  | F          | H   | W   |  |
| 1/4    | 8   | 40         | 62  | 40  |  |
| 3/8    | 10  | 44         | 62  | 40  |  |
| 1/2    | 15  | 48         | 74  | 50  |  |
| 3/4    | 20  | 56         | 82  | 60  |  |
| 1      | 25  | 68         | 100 | 65  |  |
| 1¼     | 32  | 80         | 107 | 80  |  |
| 1½     | 40  | 90         | 124 | 91  |  |
| 2      | 50  | 110        | 141 | 99  |  |
| 2½     | 65  | 135        | 165 | 110 |  |
| 3      | 80  | 156        | 170 | 127 |  |
| 4      | 100 | 160        | 192 | 134 |  |

### MATERIALS

| Name of Part        | Material         | Specification                         |
|---------------------|------------------|---------------------------------------|
| Body & Wedge        | Bronze           | IS : 318 Gr. LTB 2                    |
| Bonnet              | Bronze/ Brass    | IS : 318 Gr. LTB 2/ IS : 6912 Gr. FLB |
| Gland & Gland Nut   | Forged Brass     | IS : 6912 Gr. FLB                     |
| Spindle             | Forged Brass     | IS : 6912 Gr. FLB                     |
| Handwheel           | Sheet Metal/C.I. | IS : 4030/IS:210 FG200                |
| Gland Packing       | Asbestos         | IS : 4687                             |
| Screw Bolt & Washer | Carbon Steel     | IS : 1367                             |

HYD. Test Pressure Shell : **24kg/cm² (340psig)** **Seat : 16kg/cm² (225psig)**



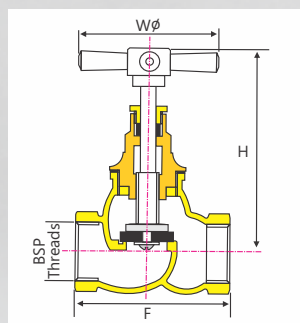
BRASS DRAIN VALVE  
For Concealed Fitting (Screwed)

Item Code **BDV**

**FEATURES** : Rising stem, Screwed in bonnet,  
Inside screw, Integral seats, Screwed female  
ends (BSP) to IS:554-1985.

**Chrome plated finish.**

Specially Designed For:



| SIZE   |    | DIMENSIONS |     |    |  |
|--------|----|------------|-----|----|--|
| Inches | mm | F          | H   | W  |  |
| 1/2    | 15 | 60         | 94  | 63 |  |
| 3/4    | 20 | 73         | 101 | 63 |  |
| 1      | 25 | 86         | 113 | 77 |  |
| 1¼     | 32 | 100        | 126 | 77 |  |
| 1½     | 40 | 116        | 152 | 87 |  |
| 2      | 50 | 139        | 155 | 87 |  |
|        |    |            |     |    |  |
|        |    |            |     |    |  |

| MATERIALS         |                           |                                      |
|-------------------|---------------------------|--------------------------------------|
| Name of Part      | Material                  | Specification                        |
| Body,             | Brass/<br>Stainless Steel | IS : 1264 Gr. DCB 2<br>AISI 304/ 316 |
| Bonnet & Wedge    | Brass                     | IS : 1264 Gr DCB 2                   |
| Spindle & Seat    | Forged Brass              | IS : 6912 Gr. FLB                    |
| Gland & Gland Nut | Forged Brass              | IS : 6912 Gr. FLB                    |
| Rubber Washer     | Nitrile Rubber            | IS : 5192-1                          |
| Gland Packing     | PTFE                      | BS EN 12086-1                        |
| Hand wheel        | Brass                     | IS : 1264 Gr. DCB 2                  |





## GUN METAL ANGLE WHEEL VALVE

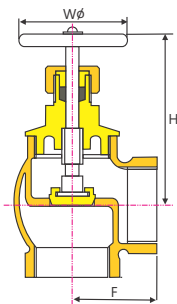
No.- 4 (Screwed)

Item Code **AWV**

**FEATURES** : Rising stem, Screwed in bonnet, Inside screw, Integral seats, Screwed female ends to IS:554/BS 21/ ISO 7, Unbreakable Sheet metal/ C.I. Handwheel, Provision of re-packing under-pressure. Rough finish body.



Specially Designed For:



| SIZE   |    | DIMENSIONS |     |    |  |
|--------|----|------------|-----|----|--|
| Inches | mm | F          | H   | W  |  |
| 1/4    | 8  | 25         | 70  | 63 |  |
| 3/8    | 10 | 27         | 78  | 63 |  |
| 1/2    | 15 | 32         | 86  | 63 |  |
| 3/4    | 20 | 35         | 92  | 66 |  |
| 1      | 25 | 40         | 97  | 66 |  |
| 1¼     | 32 | 47         | 116 | 76 |  |
| 1½     | 40 | 54         | 130 | 90 |  |
| 2      | 50 | 64         | 147 | 90 |  |

### MATERIALS

| Name of Part                            | Material             | Specification                         |
|-----------------------------------------|----------------------|---------------------------------------|
| Body                                    | Bronze               | IS : 318 Gr. LTB 2                    |
| Wedge                                   | Bronze               | IS : 318 Gr. LTB 2                    |
| Bonnet, Stuffing Box, Gland & Gland Nut | Bronze/ Forged Brass | IS : 318 Gr. LTB 2/ IS : 6912 Gr. FLB |
| Spindle                                 | Forged Brass         | IS : 6912 Gr. FLB                     |
| Handwheel                               | Sheet Metal/C.I.     | IS : 4030/ IS:210 FG200               |
| Gland Packing                           | Asbestos             | IS : 4687                             |
| Screw Bolt & Washer                     | Carbon Steel         | IS : 1367                             |

HYD. Test Pressure Shell : **24kg/cm<sup>2</sup>** (340psig) Seat : **16kg/cm<sup>2</sup>** (225psig)



## GUN METAL WHEEL VALVE

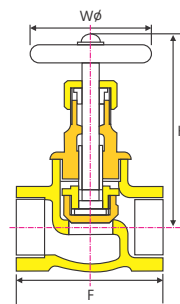
No.-5 (Screwed)

Item Code **W5**

**FEATURES** : Rising stem, Screwed in bonnet, Inside screw, Integral seats, Screwed female ends to IS:554/BS 21/ ISO 7, Unbreakable Sheet metal/ C.I. Handwheel. Rough finish body



Specially Designed For:



| SIZE   |    | DIMENSIONS |     |     |  |
|--------|----|------------|-----|-----|--|
| Inches | mm | F          | H   | W   |  |
| 1/2    | 15 | 55         | 88  | 61  |  |
| 3/4    | 20 | 67         | 96  | 65  |  |
| 1      | 25 | 78         | 111 | 75  |  |
| 1¼     | 32 | 88         | 125 | 91  |  |
| 1½     | 40 | 101        | 130 | 91  |  |
| 2      | 50 | 123        | 164 | 110 |  |
|        |    |            |     |     |  |
|        |    |            |     |     |  |

### MATERIALS

| Name of Part              | Material             | Specification                         |
|---------------------------|----------------------|---------------------------------------|
| Body & Wedge              | Bronze               | IS : 318 Gr. LTB 2                    |
| Bonnet, Gland & Gland Nut | Bronze/ Forged Brass | IS : 318 Gr. LTB 2/ IS : 6912 Gr. FLB |
| Spindle                   | Forged Brass         | IS : 6912 Gr. FLB                     |
| Handwheel                 | Sheet Metal/C.I.     | IS : 4030/ IS:210 FG 200              |
| Gland Packing             | Asbestos             | IS : 4687                             |
| Screw Bolt & Washer       | Carbon Steel         | IS : 1367                             |

HYD. Test Pressure Shell : **35kg/cm<sup>2</sup>** (500psig) Seat : **20kg/cm<sup>2</sup>** (285psig)



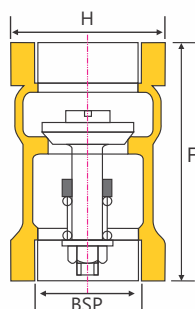
# GUN METAL VERTICAL CHECK VALVE Class-1 (Screwed)

Item Code **VI**



**FEATURES** : Screwed female ends (BSP) to IS:554-1985, Single piece design for vertical lines only. Metal to metal seating, One sided flow close automatically in reverse flow, Conforming to IS:778 Class-1.

Specially Designed For:



| SIZE   |     | DIMENSIONS |     |  |
|--------|-----|------------|-----|--|
| Inches | mm  | F          | H   |  |
| 1/2    | 15  | 65         | 26  |  |
| 3/4    | 20  | 70         | 32  |  |
| 1      | 25  | 75         | 39  |  |
| 1¼     | 32  | 85         | 49  |  |
| 1½     | 40  | 95         | 55  |  |
| 2      | 50  | 110        | 68  |  |
| 2½     | 65  | 130        | 85  |  |
| 3      | 80  | 145        | 98  |  |
| 4      | 100 | 190        | 127 |  |

| MATERIALS    |                    |                            |
|--------------|--------------------|----------------------------|
| Name of Part | Material           | Specification              |
| Body         | Bronze             | IS : 318 Gr. LTB 2         |
| Disc         | Bronze             | IS : 318 Gr. LTB 2         |
| Nut          | Brass              | IS : 319 Gr. 2 (Half Hard) |
| Split Pin    | Phosphorous Bronze | IS : 7608                  |
|              |                    |                            |
|              |                    |                            |
|              |                    |                            |



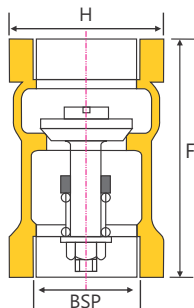
## GUN METAL VERTICAL CHECK VALVE MEDIUM (Screwed)

Item Code **VM**

**FEATURES** : Screwed female ends (BSP) to IS:554-1985, Single piece design for vertical lines only. One sided flow close automatically in reverse flow, Metal to metal Seating,



Specially Designed For:



| SIZE   |     | DIMENSIONS |     |  |  |
|--------|-----|------------|-----|--|--|
| Inches | mm  | F          | H   |  |  |
| 1/2    | 15  | 55         | 27  |  |  |
| 3/4    | 20  | 61         | 33  |  |  |
| 1      | 25  | 67         | 40  |  |  |
| 1¼     | 32  | 74         | 51  |  |  |
| 1½     | 40  | 80         | 56  |  |  |
| 2      | 50  | 93         | 69  |  |  |
| 2½     | 65  | 110        | 86  |  |  |
| 3      | 80  | 124        | 99  |  |  |
| 4      | 100 | 150        | 128 |  |  |

### MATERIALS

| Name of Part | Material           | Specification              |
|--------------|--------------------|----------------------------|
| Body         | Bronze             | IS : 318 Gr. LTB 2         |
| Disc         | Bronze             | IS : 318 Gr. LTB 2         |
| Nut          | Brass              | IS : 319 Gr. 2 (Half Hard) |
| Spring       | Stainless Steel    | AISI 304                   |
| Split Pin    | Phosphorous Bronze | IS : 7608                  |

HYD. Test Pressure Shell : 20kg/cm<sup>2</sup> (285psig) Seat : 13kg/cm<sup>2</sup> (190psig)



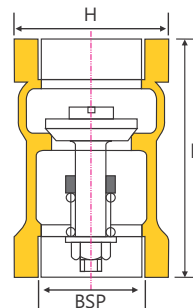
## GUN METAL VERTICAL CHECK VALVE STANDARD (Screwed)

Item Code **VS**

**FEATURES** : Screwed female ends (BSP) to IS:554-1985, Single piece design for vertical lines only. One sided flow close automatically in reverse flow.



Specially Designed For:



| SIZE   |    | DIMENSIONS |    |  |  |
|--------|----|------------|----|--|--|
| Inches | mm | F          | H  |  |  |
| 1/2    | 15 | 65         | 27 |  |  |
| 3/4    | 20 | 70         | 33 |  |  |
| 1      | 25 | 75         | 40 |  |  |
| 1¼     | 32 | 85         | 51 |  |  |
| 1½     | 40 | 90         | 56 |  |  |
| 2      | 50 | 110        | 69 |  |  |
|        |    |            |    |  |  |
|        |    |            |    |  |  |

### MATERIALS

| Name of Part | Material           | Specification              |
|--------------|--------------------|----------------------------|
| Body         | Bronze             | IS : 318 Gr. LTB 2         |
| Disc         | Bronze             | IS : 318 Gr. LTB 2         |
| Nut          | Brass              | IS : 319 Gr. 2 (Half Hard) |
| Spring       | Stainless Steel    | AISI 304                   |
| Split Pin    | Phosphorous Bronze | IS : 7608                  |
| Seat Washer  | Nitrile Rubber     | IS : 5192-1                |

HYD. Test Pressure Shell : 25kg/cm<sup>2</sup> (350psig) Seat : 16kg/cm<sup>2</sup> (225psig)



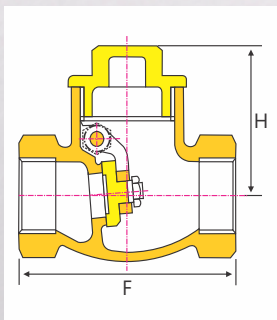


BRASS SWING CHECK VALVE  
(Screwed)

Item Code **SCV**

**FEATURES** : Screwed female ends (BSP) to IS:554-1985, Screwed in bonnet, Specially designed for Horizontal as well as Vertical flow metal to metal seating, Uni-direction flow.

Specially Designed For:



| SIZE   |     | DIMENSIONS |     |  |
|--------|-----|------------|-----|--|
| Inches | mm  | F          | H   |  |
| 1/2    | 15  | 60         | 42  |  |
| 3/4    | 20  | 70         | 45  |  |
| 1      | 25  | 77         | 50  |  |
| 1¼     | 32  | 85         | 62  |  |
| 1½     | 40  | 95         | 70  |  |
| 2      | 50  | 102        | 75  |  |
| 2½     | 65  | 130        | 95  |  |
| 3      | 80  | 158        | 100 |  |
| 4      | 100 | 190        | 135 |  |

| MATERIALS    |                 |                     |
|--------------|-----------------|---------------------|
| Name of Part | Material        | Specification       |
| Body         | Bronze/         | IS : 318 Gr. LTB 2/ |
|              | Brass           | IS : 6912 Gr. FLB   |
| Cover        | Brass           | IS : 1264 DCB 2     |
| Nut          | Stainless Steel | IS : 6923 Gr. FLB   |
| Hinge        | Brass           | IS : 1264 DCB 2     |
| Disc         | Forged Brass    | IS : 6912 Gr. FLB   |
| Hinge Pin    | Brass           | IS : 1264 DCB 2     |
| Side Plug    | Stainless Steel | AISI 304            |



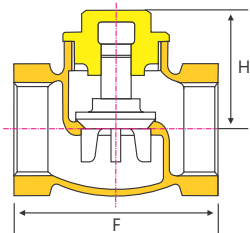
## GUN METAL HORIZONTAL CHECK VALVE Class-1 (Screwed)

Item Code **HI**

**FEATURES** : Screwed female ends (BSP) to IS:554-1985, Single piece design for Horizontal lines only. One sided flow close automatically in reverse flow, Metal to metal seating, Conforming to IS:778 Class-1.



Specially Designed For:



| SIZE   |     | DIMENSIONS |     |  |
|--------|-----|------------|-----|--|
| Inches | mm  | F          | H   |  |
| 1/2    | 15  | 60         | 36  |  |
| 3/4    | 20  | 70         | 44  |  |
| 1      | 25  | 80         | 49  |  |
| 1¼     | 32  | 95         | 58  |  |
| 1½     | 40  | 110        | 64  |  |
| 2      | 50  | 125        | 80  |  |
| 2½     | 65  | 160        | 97  |  |
| 3      | 80  | 180        | 107 |  |
| 4      | 100 | 216        | 130 |  |

### MATERIALS

| Name of Part | Material                | Specification                            |
|--------------|-------------------------|------------------------------------------|
| Body         | Bronze                  | IS : 318 Gr. LTB 2                       |
| Disc         | Bronze                  | IS : 318 Gr. LTB 2                       |
| Bonnet       | Bronze/<br>Forged Brass | IS : 318 Gr. LTB 2/<br>IS : 6912 Gr. FLB |
|              |                         |                                          |
|              |                         |                                          |
|              |                         |                                          |

HYD. Test Pressure **Shell : 1.5Mpa** **Seat : 0.25Mpa**



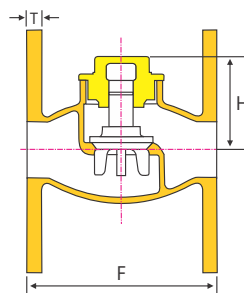
## GUN METAL HORIZONTAL CHECK VALVE Class-1 (Flanged)

Item Code **HF**

**FEATURES** : Flanged ends to IS:778, Single piece design for Horizontal lines only. One sided flow close automatically in reverse flow, Metal to metal seating, Conforming to IS:778 Class-1.



Specially Designed For:



| SIZE   |     | DIMENSIONS |     |    |
|--------|-----|------------|-----|----|
| Inches | mm  | F          | H   | T  |
| 1/2    | 15  | 75         | 36  | 6  |
| 3/4    | 20  | 85         | 45  | 6  |
| 1      | 25  | 95         | 50  | 8  |
| 1¼     | 32  | 110        | 58  | 8  |
| 1½     | 40  | 120        | 65  | 9  |
| 2      | 50  | 145        | 78  | 11 |
| 2½     | 65  | 165        | 95  | 13 |
| 3      | 80  | 185        | 105 | 13 |
| 4      | 100 | 216        | 130 | 16 |

### MATERIALS

| Name of Part | Material                | Specification                            |
|--------------|-------------------------|------------------------------------------|
| Body         | Bronze                  | IS : 318 Gr. LTB 2                       |
| Disc         | Bronze                  | IS : 318 Gr. LTB 2                       |
| Bonnet       | Bronze/<br>Forged Brass | IS : 318 Gr. LTB 2/<br>IS : 6912 Gr. FLB |
|              |                         |                                          |
|              |                         |                                          |
|              |                         |                                          |

HYD. Test Pressure **Shell : 1.5Mpa** **Seat : 0.25Mpa**



## GUN METAL HORIZONTAL CHECK VALVE No.-4 (Screwed)

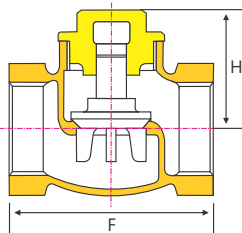
Item Code **H4**

**FEATURES** : Screwed female ends (BSP) to IS:554-1985, Single piece design for Horizontal lines only. One sided flow close automatically in reverse flow, Metal to metal seat contact.

\*Seat with 'O' Ring can also be supplied on demand.



Specially Designed For:



| SIZE   |     | DIMENSIONS |     |  |  |
|--------|-----|------------|-----|--|--|
| Inches | mm  | F          | H   |  |  |
| 1/4    | 8   | 33         | 24  |  |  |
| 3/8    | 10  | 37         | 28  |  |  |
| 1/2    | 15  | 48         | 30  |  |  |
| 3/4    | 20  | 55         | 34  |  |  |
| 1      | 25  | 66         | 42  |  |  |
| 1¼     | 32  | 80         | 46  |  |  |
| 1½     | 40  | 90         | 52  |  |  |
| 2      | 50  | 110        | 64  |  |  |
| 2½     | 65  | 134        | 84  |  |  |
| 3      | 80  | 160        | 95  |  |  |
| 4      | 100 | 190        | 114 |  |  |

### MATERIALS

| Name of Part | Material       | Specification      |
|--------------|----------------|--------------------|
| Body         | Bronze         | IS : 318 Gr. LTB 2 |
| Disc         | Bronze         | IS : 318 Gr. LTB 2 |
| Bonnet       | Bronze         | IS : 318 Gr. LTB 2 |
| 'O' Ring*    | Nitrile Rubber | IS : 5192-1        |
|              |                |                    |
|              |                |                    |
|              |                |                    |



## GUN METAL HORIZONTAL CHECK VALVE No.-5 (Screwed)

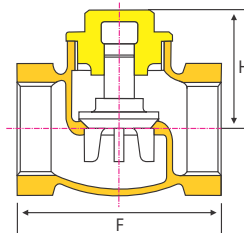
Item Code **H5**

**FEATURES** : Screwed female ends (BSP) to IS:554-1985, Single piece design for Horizontal lines only. One sided flow close automatically in reverse flow, Metal to metal seat contact.

\*Seat with 'O' Ring can also be supplied on demand.



Specially Designed For:



| SIZE   |    | DIMENSIONS |    |  |  |
|--------|----|------------|----|--|--|
| Inches | mm | F          | H  |  |  |
| 1/2    | 15 | 55         | 35 |  |  |
| 3/4    | 20 | 67         | 41 |  |  |
| 1      | 25 | 80         | 49 |  |  |
| 1¼     | 32 | 88         | 56 |  |  |
| 1½     | 40 | 102        | 65 |  |  |
| 2      | 50 | 123        | 74 |  |  |
|        |    |            |    |  |  |
|        |    |            |    |  |  |

### MATERIALS

| Name of Part | Material | Specification      |
|--------------|----------|--------------------|
| Body         | Bronze   | IS : 318 Gr. LTB 2 |
| Disc         | Bronze   | IS : 318 Gr. LTB 2 |
| Bonnet       | Bronze   | IS : 318 Gr. LTB 2 |
|              |          |                    |
|              |          |                    |
|              |          |                    |



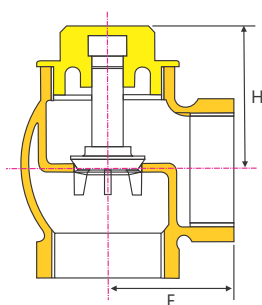
## BRONZE ANGLE LIFT CHECK VALVE (Screwed)

Item Code **ACV**

**FEATURES** : Screwed female ends (BSP) to IS:554-1985, Angle pattern, Screw in bonnet, Integral seat, Permitted flow in one direction & close automatically in the reverse flow.



Specially Designed For:



| SIZE   |    | DIMENSIONS |    |  |  |
|--------|----|------------|----|--|--|
| Inches | mm | F          | H  |  |  |
| 1/2    | 15 | 32         | 36 |  |  |
| 3/4    | 20 | 35         | 43 |  |  |
| 1      | 25 | 40         | 52 |  |  |
| 1¼     | 32 | 47         | 56 |  |  |
| 1½     | 40 | 54         | 69 |  |  |
| 2      | 50 | 64         | 72 |  |  |
|        |    |            |    |  |  |
|        |    |            |    |  |  |

### MATERIALS

| Name of Part | Material       | Specification      |
|--------------|----------------|--------------------|
| Body         | Bronze         | IS : 318 Gr. LTB 2 |
| Disc         | Bronze         | IS : 318 Gr. LTB 2 |
| Bonnet       | Bronze         | IS : 318 Gr. LTB 2 |
| 'O' Ring     | Nitrile Rubber | IS : 5192-1        |
|              |                |                    |
|              |                |                    |
|              |                |                    |

HYD. Test Pressure Shell : **24g/cm<sup>2</sup>** (340psig) Seat : **16kg/cm<sup>2</sup>** (225psig)



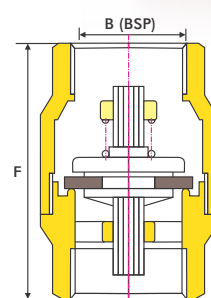
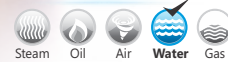
## BRASS MULTI CHECK VALVE (Screwed)

Item Code **MC**

**FEATURES** : Screwed female ends (BSP) to IS:554-1985, Single piece design for Vertical or Horizontal lines only. One sided flow close automatically in reverse flow.



Specially Designed For:



| SIZE   |     | DIMENSIONS |      |  |  |
|--------|-----|------------|------|--|--|
| Inches | mm  | F          | B    |  |  |
| 1/2    | 15  | 58         | 1½"  |  |  |
| 3/4    | 20  | 61         | 3/4" |  |  |
| 1      | 25  | 74         | 1"   |  |  |
| 1¼     | 32  | 78         | 1¼"  |  |  |
| 1½     | 40  | 94         | 1½"  |  |  |
| 2      | 50  | 101        | 2"   |  |  |
| 2½     | 65  | 106        | 2½"  |  |  |
| 3      | 80  | 110        | 3"   |  |  |
| 4      | 100 | 132        | 4"   |  |  |

### MATERIALS

| Name of Part  | Material        | Specification       |
|---------------|-----------------|---------------------|
| Body          | Brass           | IS : 1264 Gr. DCB-2 |
| Disc          | Forged Brass    | IS : 6912 Gr. FLB   |
| Bonnet        | Brass           | IS : 1264 Gr. DCB-2 |
| Spring        | Stainless Steel | AISI : 304          |
| Rubber Washer | Nitrile Rubber  | IS : 5192-1         |
|               |                 |                     |
|               |                 |                     |
|               |                 |                     |

HYD. Test Pressure Shell : **20kg/cm<sup>2</sup>** (285psig) Seat : **13kg/cm<sup>2</sup>** (190psig)





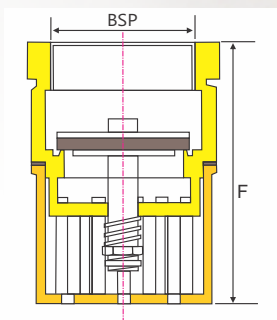
## GUN METAL/ BRASS FOOT VALVE (Screwed)

Item Code **FV**

**FEATURES** : Screwed female ends (BSP) to IS:554-1985, Lift type valve. Operation even at low pressure, Filters water efficiently, also provided with rubber washer, Spring loaded.



Specially Designed For:



| SIZE   |     | DIMENSIONS |  |  |
|--------|-----|------------|--|--|
| Inches | mm  | F          |  |  |
| 1/2    | 15  | 70         |  |  |
| 3/4    | 20  | 70         |  |  |
| 1      | 25  | 80         |  |  |
| 1¼     | 32  | 88         |  |  |
| 1½     | 40  | 96         |  |  |
| 2      | 50  | 107        |  |  |
| 2½     | 65  | 117        |  |  |
| 3      | 80  | 129        |  |  |
| 4      | 100 | 146        |  |  |
| 5      | 125 | 176        |  |  |
| 6      | 150 | 233        |  |  |

| MATERIALS     |                 |                     |
|---------------|-----------------|---------------------|
| Name of Part  | Material        | Specification       |
| Body          | Brass           | IS : 1264 Gr. DCB 2 |
| Gasket        | Nylon           | ---                 |
| Valve Disc    | Brass           | IS : 1264 Gr. DCB 2 |
| Strainer      | Brass           | IS : 1264 Gr. DCB 2 |
| Spring        | Stainless Steel | AISI 304            |
| Nut           | Brass           | IS : 6912 Gr. FLB   |
| Rubber Washer | Nitrile Rubber  | IS : 5192-1         |

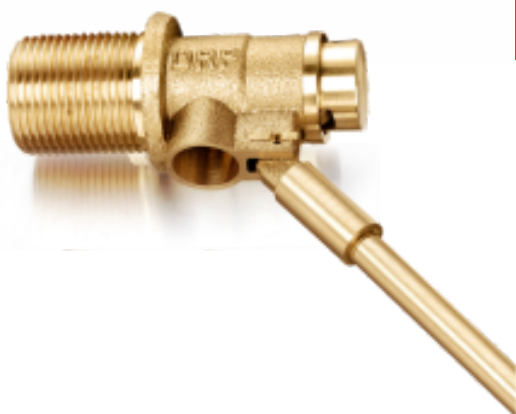


## BRASS FLOAT VALVE

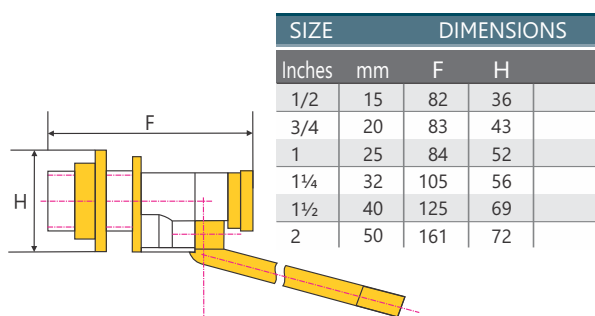
Full Flow (Screwed)

Item Code **BFV**

**FEATURES** : Screwed male ends to BSP  
Full bore design, with Nitrile rubber seat



Specially Designed For:



### MATERIALS

| Name of Part  | Material       | Specification       |
|---------------|----------------|---------------------|
| Body          | Brass          | IS : 1264 Gr. DCB 2 |
| Piston        | Brass          | IS : 1264 Gr. DCB 2 |
| Rod           | Forged Brass   | IS : 6912 Gr. FLB   |
| Rubber Washer | Nitrile Rubber | IS : 5192-1         |
| Check Nut     | Brass          | IS : 1264 Gr. DCB 2 |
| Lever         | Brass          | IS : 1264 Gr. DCB 2 |
| Nut           | Forged Brass   | IS : 6912 Gr. FLB   |

HYD. Test Pressure Shell : **24kg/cm<sup>2</sup>** (340psig)    Seat: **16kg/cm<sup>2</sup>** (225psig)



## BRONZE TERRACE VALVE

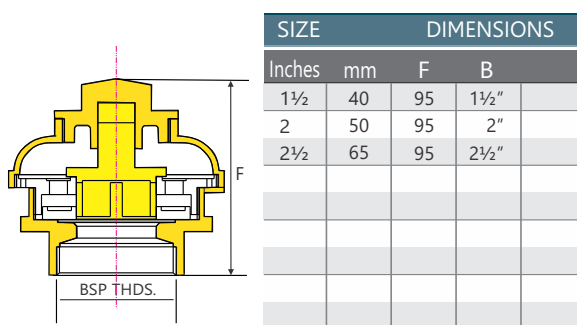
(Screwed)

Item Code **TC**

**FEATURES** : Screwed female ends (BSP) to IS:554-1985,  
with light spring and alluminium disc, Specially design to  
exhaust the gas of petrol tanks, Working temp. from 10° C  
to 200°C.



Specially Designed For:



### MATERIALS

| Name of Part | Material         | Specification      |
|--------------|------------------|--------------------|
| Body         | Bronze           | IS : 318 Gr. LTB 2 |
| Cap          | Bronze           | IS : 318 Gr. LTB 2 |
| Disc         | Alluminium Alloy | BS EN 10154        |
| Spring       | Spring Steel     | EN 47 Gr. B        |
|              |                  |                    |
|              |                  |                    |
|              |                  |                    |

HYD. Test Pressure Shell : **35kg/cm<sup>2</sup>** (500psig)

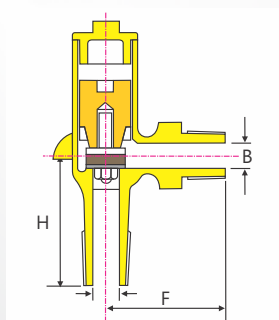


## GUN METAL FERRULE (Screwed)

Item Code **FI**

**FEATURES** : Specially design for **WATER SERVICES**  
Conforming to IS:2692-1989, Screwed male ends BSPT  
to IS : 554.

Specially Designed For:



| SIZE   |    | DIMENSIONS |     |     |
|--------|----|------------|-----|-----|
| Inches | mm | B          | F   | H   |
| 1/4    | 8  | 8.0        | 50  | 55  |
| 3/8    | 10 | 8.8        | 50  | 55  |
| 1/2    | 15 | 12.5       | 55  | 60  |
| 3/4    | 20 | 18.0       | 60  | 65  |
| 1      | 25 | 24.5       | 70  | 75  |
| 1¼     | 32 | 31.0       | 85  | 90  |
| 1½     | 40 | 37.0       | 95  | 100 |
| 2      | 50 | 47.0       | 115 | 120 |

| MATERIALS          |                |                    |
|--------------------|----------------|--------------------|
| Name of Part       | Material       | Specification      |
| Body               | Bronze         | IS : 318 Gr. LTB 2 |
| Plug & Cover       | Bronze         | IS : 318 Gr. LTB 2 |
| Washer Plate & Nut | Forged Brass   | IS : 6912 Gr. FLB  |
| Rubber Washer      | Nitrile Rubber | IS : 5192-1        |
| Brass Washer       | Brass          | IS : 6912 Gr. FLB  |
|                    |                |                    |
|                    |                |                    |
|                    |                |                    |

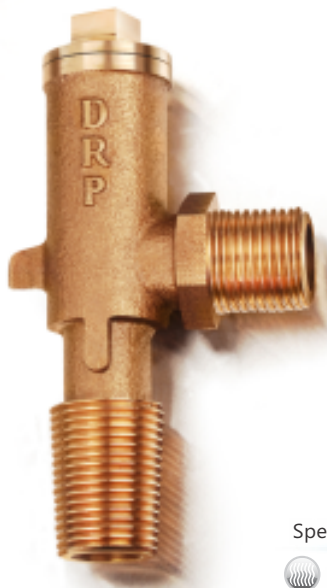


## GUN METAL FERRULE

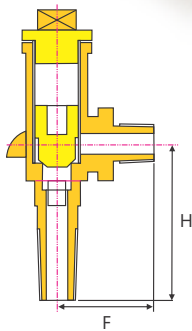
JCSWR Type (Screwed)

Item Code **FM**

**FEATURES** : Full flow, Screwed male ends BSPT to IS:554, Metal to metal contact seat, Specially designed for tolerance of sudden high pressure, JCSWR Type. Specially design for **WATER SERVICES**.



Specially Designed For:



| SIZE   |    | DIMENSIONS |     |  |
|--------|----|------------|-----|--|
| Inches | mm | F          | H   |  |
| 1/4    | 8  | 30         | 50  |  |
| 3/8    | 10 | 35         | 55  |  |
| 1/2    | 15 | 40         | 60  |  |
| 3/4    | 20 | 50         | 73  |  |
| 1      | 25 | 53         | 77  |  |
| 1¼     | 32 | 57         | 83  |  |
| 1½     | 40 | 68         | 96  |  |
| 2      | 50 | 74         | 104 |  |

### MATERIALS

| Name of Part | Material | Specification      |
|--------------|----------|--------------------|
| Body         | Bronze   | IS : 318 Gr. LTB 2 |
| Cover        | Bronze   | IS : 318 Gr. LTB 2 |
| Plug         | Bronze   | IS : 318 Gr. LTB 2 |
| Joint Washer | Leather  | ---                |
|              |          |                    |
|              |          |                    |
|              |          |                    |

HYD. Test Pressure Shell : **24kg/cm<sup>2</sup>** (340psig) Seat : **16kg/cm<sup>2</sup>** (225psig)

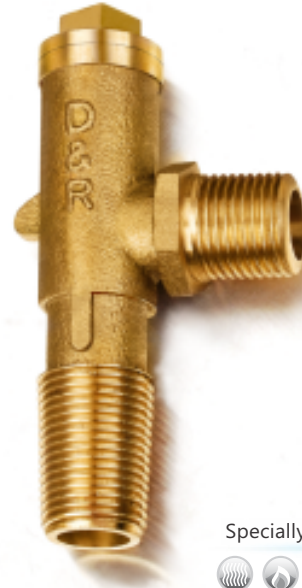


## BRASS FERRULE

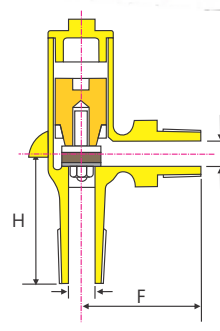
JCSWR Type (Screwed)

Item Code **FB**

**FEATURES** : Full flow, Screwed male ends BSPT to IS:554, Rough finish body, Rubber seat, JCSWR Type. Specially design for **WATER SERVICES**.



Specially Designed For:



| SIZE   |    | DIMENSIONS |    |  |
|--------|----|------------|----|--|
| Inches | mm | F          | H  |  |
| 1/4    | 8  | 40         | 57 |  |
| 3/8    | 10 | 40         | 61 |  |
| 1/2    | 15 | 46         | 71 |  |
|        |    |            |    |  |
|        |    |            |    |  |
|        |    |            |    |  |
|        |    |            |    |  |

### MATERIALS

| Name of Part  | Material       | Specification       |
|---------------|----------------|---------------------|
| Body          | Brass          | IS : 1264 Gr. DCB 2 |
| Disc          | Brass          | IS : 1264 Gr. DCB 2 |
| Plug          | Brass          | IS : 1264 Gr. DCB 2 |
| Joint Washer  | Leather        | ---                 |
| Rubber Washer | Nitrile Rubber | IS : 5192-1         |
|               |                |                     |
|               |                |                     |

HYD. Test Pressure Shell : **20kg/cm<sup>2</sup>** (285psig) Seat : **13kg/cm<sup>2</sup>** (190psig)



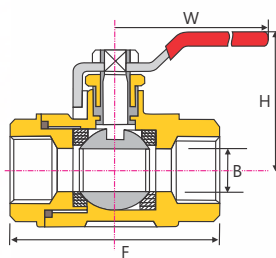


BRONZE BALL VALVE  
(Screwed)

Item Code **BV**

**FEATURES** : Full bore, Single piece design,  
Screwed female ends to IS:554/BS 21/ ISO 7,  
Lever operated, provided with Stainless Steel  
Ball, Blow out proof stem, PTFE body rings  
& Gland packing.

Specially Designed For:



| SIZE   |     | DIMENSIONS |    |     |     |  |
|--------|-----|------------|----|-----|-----|--|
| Inches | mm  | F          | B  | H   | W   |  |
| 1/2    | 15  | 60         | 14 | 60  | 110 |  |
| 3/4    | 20  | 70         | 18 | 63  | 120 |  |
| 1      | 25  | 80         | 24 | 68  | 130 |  |
| 1¼     | 32  | 90         | 32 | 76  | 130 |  |
| 1½     | 40  | 100        | 38 | 100 | 170 |  |
| 2      | 50  | 114        | 48 | 110 | 170 |  |
| 2½     | 65  | 138        | 62 | 137 | 210 |  |
| 3      | 80  | 160        | 75 | 152 | 215 |  |
| 4      | 100 | 200        | 96 | 175 | 295 |  |

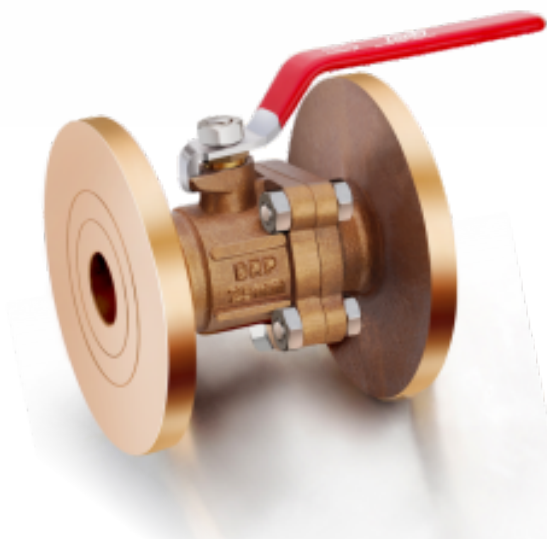
| MATERIALS          |                 |                    |
|--------------------|-----------------|--------------------|
| Name of Part       | Material        | Specification      |
| Body & Connector   | Bronze          | IS : 318 Gr. LTB 2 |
| Ball & Stem        | Stainless Steel | AISI 304           |
| Ball & Stem Seal   | Teflon          | PTFE               |
| Gland Nut          | Forged Brass    | IS : 6912 Gr. FLB  |
| Gland Packing Ring | Teflon          | PTFE               |
| Lever              | Stainless Steel | AISI 304           |
| Lever Nut          | Stainless Steel | AISI 304           |
| Lever Sleeve       | PVC             | --                 |



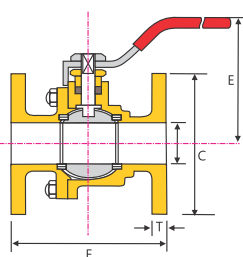
## BRONZE BALL VALVE (Flanged)

Item Code **BVF**

**FEATURES** : DRP Bronze ball valve Two piece design, Full bore, Blow-out proof stem, Floating ball, Flanged ends as per BS 10 Table F & D.



Specially Designed For:



| SIZE   |     | DIMENSIONS |      |     |     |  |
|--------|-----|------------|------|-----|-----|--|
| Inches | mm  | F          | T    | C   | E   |  |
| 1/2    | 15  | 84         | 8.0  | 96  | 60  |  |
| 3/4    | 20  | 96         | 8.0  | 102 | 63  |  |
| 1      | 25  | 106        | 10.0 | 121 | 68  |  |
| 1¼     | 32  | 123        | 10.0 | 134 | 76  |  |
| 1½     | 40  | 137        | 11.5 | 140 | 100 |  |
| 2      | 50  | 162        | 11.5 | 166 | 110 |  |
| 2½     | 65  | 172        | 13.0 | 185 | 137 |  |
| 3      | 80  | 190        | 15.0 | 204 | 152 |  |
| 4      | 100 | 225        | 18.0 | 229 | 175 |  |

### MATERIALS

| Name of Part       | Material        | Specification      |
|--------------------|-----------------|--------------------|
| Body & Connector   | Bronze          | IS : 318 Gr. LTB 2 |
| Ball & Stem        | Stainless Steel | AISI 304           |
| Ball & Stem Seal   | Teflon          | PTFE               |
| Gland Nut          | Forged Brass    | IS : 6912 Gr. FLB  |
| Gland Packing Ring | Teflon          | PTFE               |
| Lever              | Stainless Steel | AISI 304           |
| Lever Nut          | Stainless Steel | AISI 304           |
| Lever Sleeve       | PVC             | --                 |

HYD. Test Pressure Shell : 25kg/cm<sup>2</sup> (350psig) Seat : 16kg/cm<sup>2</sup> (225psig)



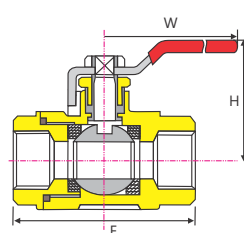
## BRASS BALL VALVE TOPIC (Screwed)

Item Code **BFB**

**FEATURES** : Single piece design, Full bore, Screwed female ends to IS:554/ BS 21/ ISO 7, Blow-out stem, Floating ball, Lever operated High chrome plated finish.



Specially Designed For:



| SIZE   |    | DIMENSIONS |     |     |  |
|--------|----|------------|-----|-----|--|
| Inches | mm | F          | H   | W   |  |
| 1/2    | 15 | 59         | 57  | 90  |  |
| 3/4    | 20 | 62         | 62  | 105 |  |
| 1      | 25 | 74         | 68  | 120 |  |
| 1¼     | 32 | 86         | 87  | 156 |  |
| 1½     | 40 | 104        | 88  | 156 |  |
| 2      | 50 | 112        | 104 | 184 |  |
|        |    |            |     |     |  |
|        |    |            |     |     |  |

### MATERIALS

| Name of Part       | Material        | Specification      |
|--------------------|-----------------|--------------------|
| Body & Connector   | Forged Brass    | IS : 36912 Gr. FLB |
| Ball & Stem        | Stainless Steel | AISI 304           |
| Ball & Stem Seal   | Teflon          | PTFE               |
| Gland Nut          | Forged Brass    | IS : 6912 Gr. FLB  |
| Gland Packing Ring | Teflon          | PTFE               |
| Lever              | Mild Steel      | IS : 226           |
| Lever Nut          | Carbon Steel    | IS : 1367          |
| Lever Sleeve       | PVC             | --                 |

HYD. Test Pressure Shell : 24kg/cm<sup>2</sup> (340psig) Seat : 16kg/cm<sup>2</sup> (225psig)

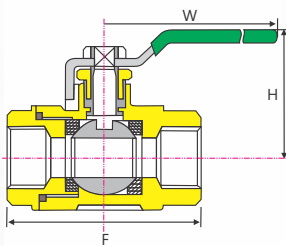


FORGED BRASS BALL VALVE EXCEL  
(Screwed)

Item Code **BVE**

**FEATURES** : Single piece design, Full bore,  
Screwed female ends to IS:554/ BS 21/ ISO 7,  
Blow-out stem, Floating ball, Lever operated  
High chrome plated finish.

Specially Designed For:



| SIZE   |    | DIMENSIONS |     |     |  |
|--------|----|------------|-----|-----|--|
| Inches | mm | F          | H   | W   |  |
| 1/4    | 8  | 48         | 50  | 90  |  |
| 3/8    | 10 | 48         | 50  | 90  |  |
| 1/2    | 15 | 52         | 50  | 95  |  |
| 3/4    | 20 | 57         | 55  | 95  |  |
| 1      | 25 | 65         | 60  | 124 |  |
| 1¼     | 32 | 76         | 76  | 124 |  |
| 1½     | 40 | 87         | 95  | 158 |  |
| 2      | 50 | 103        | 98  | 158 |  |
| 2½     | 65 | 123        | 110 | 232 |  |
| 3      | 80 | 148        | 130 | 232 |  |

| MATERIALS          |                 |                    |
|--------------------|-----------------|--------------------|
| Name of Part       | Material        | Specification      |
| Body & Connector   | Forged Brass    | IS : 36912 Gr. FLB |
| Ball & Stem        | Stainless Steel | AISI 304           |
| Ball & Stem Seal   | Teflon          | PTFE               |
| Gland Nut          | Forged Brass    | IS : 6912 Gr. FLB  |
| Gland Packing Ring | Teflon          | PTFE               |
| Lever              | Mild Steel      | IS : 226           |
| Lever Nut          | Carbon Steel    | IS : 1367          |
| Lever Sleeve       | PVC             | --                 |



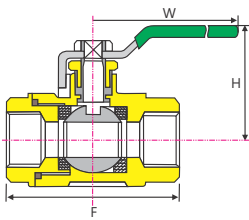
## FORGED BRASS BALL VALVE EXCEL (Screwed)

Item Code **BVE-R**

**FEATURES** : Single piece design, Full bore,  
Screwed female ends to IS:554/ BS 21/ ISO 7,  
Blow-out stem, Floating ball, Lever operated  
Rough finish body.



Specially Designed For:



| SIZE   |    | DIMENSIONS |     |     |  |
|--------|----|------------|-----|-----|--|
| Inches | mm | F          | H   | W   |  |
| 1/4    | 8  | 48         | 50  | 90  |  |
| 3/8    | 10 | 48         | 50  | 90  |  |
| 1/2    | 15 | 52         | 50  | 95  |  |
| 3/4    | 20 | 57         | 55  | 95  |  |
| 1      | 25 | 65         | 60  | 124 |  |
| 1 1/4  | 32 | 76         | 76  | 124 |  |
| 1 1/2  | 40 | 87         | 95  | 158 |  |
| 2      | 50 | 103        | 98  | 158 |  |
| 2 1/2  | 65 | 123        | 110 | 232 |  |
| 3      | 80 | 148        | 130 | 232 |  |

### MATERIALS

| Name of Part       | Material        | Specification      |
|--------------------|-----------------|--------------------|
| Body & Connector   | Forged Brass    | IS : 36912 Gr. FLB |
| Ball & Stem        | Stainless Steel | AISI 304           |
| Ball & Stem Seal   | Teflon          | PTFE               |
| Gland Nut          | Forged Brass    | IS : 6912 Gr. FLB  |
| Gland Packing Ring | Teflon          | PTFE               |
| Lever              | Mild Steel      | IS : 226           |
| Lever Nut          | Carbon Steel    | IS : 1367          |
| Lever Sleeve       | PVC             | --                 |

HYD. Test Pressure Shell : **25kg/cm<sup>2</sup>** (350psig) Seat : **16kg/cm<sup>2</sup>** (225psig)



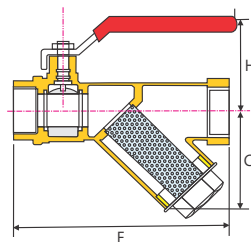
## BRASS BALL VALVE WITH STRAINER (Screwed)

Item Code **SBV**

**FEATURES** : Screwed female ends to IS:554, BSP.  
Ball valve designed with integral 'Y' type strainer.  
Brass Ball valve and blow out proof stem, AISI: 304  
Mesh in strainer, Lever operated.



Specially Designed For:



| SIZE   |    | DIMENSIONS |    |     |  |
|--------|----|------------|----|-----|--|
| Inches | mm | F          | H  | C   |  |
| 1/2    | 15 | 98         | 44 | 96  |  |
| 3/4    | 20 | 118        | 57 | 108 |  |
| 1      | 25 | 116        | 63 | 123 |  |
|        |    |            |    |     |  |
|        |    |            |    |     |  |
|        |    |            |    |     |  |
|        |    |            |    |     |  |

### MATERIALS

| Name of Part       | Material        | Specification   |
|--------------------|-----------------|-----------------|
| Body & Connector   | Brass           | IS : 1264 DCB 2 |
| Ball & Stem        | Stainless Steel | AISI 304        |
| Mesh               | Stainless Steel | AISI 304        |
| Ball & Stem Seal   | Teflon          | PTFE            |
| Gland Packing Ring | Teflon          | PTFE            |
| Lever & Lever Nut  | Stainless Steel | AISI 304        |
| Sleeve             | PVC             | --              |

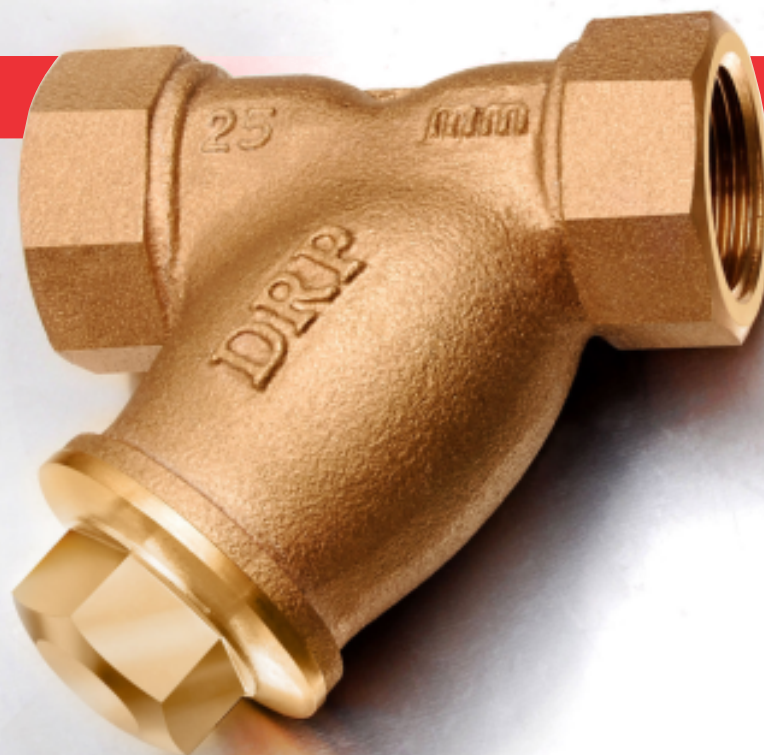
HYD. Test Pressure Shell : **20kg/cm<sup>2</sup>** (285psig) Seat : **13kg/cm<sup>2</sup>** (190psig)





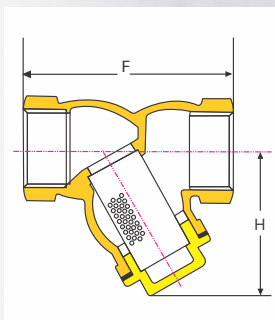
# BRONZE STRAINER 'Y' TYPE (Screwed)

Item Code **YS**



**FEATURES** : Screwed female ends to BSPT,  
Stainless Steel perforated sheet screen  
Suitable for maximum steam pressure 250Psig.  
Maximum recommended temperature 225°,  
Fine finish & smooth contours reduce pressure  
drop in strainer.

Specially Designed For:



| SIZE   |    | DIMENSIONS |     |  |
|--------|----|------------|-----|--|
| Inches | mm | F          | H   |  |
| 1/2    | 15 | 70         | 50  |  |
| 3/4    | 20 | 80         | 64  |  |
| 1      | 25 | 95         | 85  |  |
| 1¼     | 32 | 115        | 102 |  |
| 1½     | 40 | 125        | 115 |  |
| 2      | 50 | 160        | 127 |  |
| 2½     | 65 | 217        | 155 |  |
| 3      | 80 | 260        | 185 |  |

| MATERIALS    |                      |                    |
|--------------|----------------------|--------------------|
| Name of Part | Material             | Specification      |
| Body         | Bronze               | IS : 318 Gr. LTB 2 |
| Cover        | Bronze               | IS : 318 Gr. LTB 2 |
| Gasket       | Steam Jointing Sheet | IS : 2712 Gr. W/3  |
| Screen       | Stainless Steel      | AISI 304           |
|              |                      |                    |
|              |                      |                    |
|              |                      |                    |



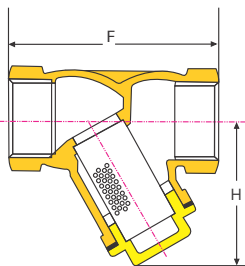
BRASS STRAINER 'Y' TYPE  
(Screwed)

Item Code **BYE**

**FEATURES** : Screwed female ends to BSPT,  
Stainless Steel perforated sheet screen  
Fine finish & smooth contours reduce pressure  
drop in strainer.



Specially Designed For:



| SIZE   |    | DIMENSIONS |    |  |
|--------|----|------------|----|--|
| Inches | mm | F          | H  |  |
| 1/2    | 15 | 60         | 41 |  |
| 3/4    | 20 | 67         | 48 |  |
| 1      | 25 | 75         | 56 |  |
|        |    |            |    |  |
|        |    |            |    |  |
|        |    |            |    |  |
|        |    |            |    |  |

**MATERIALS**

| Name of Part | Material             | Specification       |
|--------------|----------------------|---------------------|
| Body         | Brass                | IS : 1264 Gr. DCB 2 |
| Cover        | Brass                | IS : 1264 Gr. DCB 2 |
| Gasket       | Steam Jointing Sheet | IS : 2712 Gr. W/3   |
| Screen       | Stainless Steel      | AISI 304            |
|              |                      |                     |
|              |                      |                     |
|              |                      |                     |



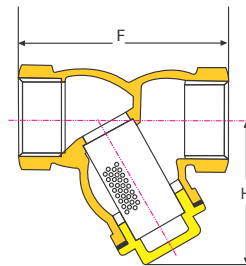
BRASS STRAINER 'Y' TYPE  
(Screwed)

Item Code **BYS**

**FEATURES** : Screwed female ends to BSPT,  
Stainless Steel perforated sheet screen  
Fine finish & smooth contours reduce pressure  
drop in strainer.



Specially Designed For:



| SIZE   |    | DIMENSIONS |    |  |
|--------|----|------------|----|--|
| Inches | mm | F          | H  |  |
| 1/2    | 15 | 72         | 48 |  |
| 3/4    | 20 | 72         | 50 |  |
| 1      | 25 | 88         | 62 |  |
| 1¼     | 32 | 95         | 70 |  |
| 1½     | 40 | 112        | 75 |  |
| 2      | 50 | 122        | 80 |  |
|        |    |            |    |  |
|        |    |            |    |  |

**MATERIALS**

| Name of Part | Material             | Specification       |
|--------------|----------------------|---------------------|
| Body         | Brass                | IS : 1264 Gr. DCB 2 |
| Cover        | Brass                | IS : 1264 Gr. DCB 2 |
| Gasket       | Steam Jointing Sheet | IS : 2712 Gr. W/3   |
| Screen       | Stainless Steel      | AISI 304            |
|              |                      |                     |
|              |                      |                     |
|              |                      |                     |

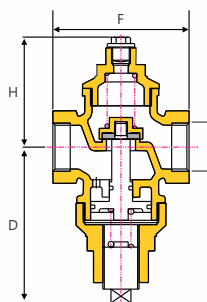


## BRONZE PRESSURE REDUCING VALVE (Screwed)

Item Code **PRV**

**FEATURES** : Screwed in bonnet, Piston type, with a provision of installing pressure gauge at down stream side, Screwed female ends to BS 21.

Specially Designed For:



| SIZE   |     | DIMENSIONS |     |     |  |
|--------|-----|------------|-----|-----|--|
| Inches | mm  | F          | H   | D   |  |
| 1/2    | 15  | 63         | 45  | 69  |  |
| 3/4    | 20  | 63         | 45  | 69  |  |
| 1      | 25  | 86         | 62  | 93  |  |
| 1¼     | 32  | 92         | 65  | 99  |  |
| 1½     | 40  | 92         | 65  | 99  |  |
| 2      | 50  | 94         | 71  | 100 |  |
| 2½     | 65  | 135        | 89  | 131 |  |
| 3      | 80  | 162        | 101 | 150 |  |
| 4      | 100 | 162        | 117 | 160 |  |

| MATERIALS            |                |                   |
|----------------------|----------------|-------------------|
| Name of Part         | Material       | Specification     |
| Body & Piston        | Bronze         | IS : 318 LTB 2    |
| Upper & Lower Bonnet | Brass          | IS : 6912 Gr. FLB |
| 'O' Ring             | Nitrile Rubber | IS : 5192-1       |
| Disc Holder          | Brass          | IS : 6912 Gr. FLB |
| Adjusting Screw      | Brass          | IS : 6912 Gr. FLB |
| Disc                 | Nitrile Rubber | IS : 5192-1       |
| Spring               | Spring Steel   | EN 47 Gr. B       |
| Lower Cap            | Brass          | IS : 6912 Gr. FLB |



H<sub>2</sub>O is life of plant..







# BRONZE UNION BONNET No.-9 (Flanged)

Item Code **BF**

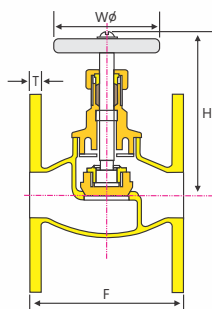
**FEATURES** : Flanged ends to BS 10 Table 'F'  
Inside screw, with Renewable Stainless steel  
working parts, with back seat arrangement,  
Handwheel operated.

► Available in **TEFLON DISC** also

Specially Designed For:



also provided with **PTFE**  
seating for **AIR & Gas**  
applications.



| SIZE   |    | DIMENSIONS |     |     |      |  |
|--------|----|------------|-----|-----|------|--|
| Inches | mm | F          | H   | W   | T    |  |
| 1/2    | 15 | 82         | 137 | 76  | 8.0  |  |
| 3/4    | 20 | 96         | 160 | 82  | 8.0  |  |
| 1      | 25 | 112        | 170 | 90  | 9.6  |  |
| 1¼     | 32 | 119        | 180 | 90  | 9.6  |  |
| 1½     | 40 | 132        | 223 | 110 | 11.1 |  |
| 2      | 50 | 158        | 243 | 140 | 11.1 |  |
| 2½     | 65 | 188        | 258 | 165 | 12.7 |  |
| 3      | 80 | 213        | 290 | 180 | 14.3 |  |

| MATERIALS            |                 |                     |
|----------------------|-----------------|---------------------|
| Name of Part         | Material        | Specification       |
| Body & Bonnet        | Bronze          | IS : 318 Gr. LTB 2  |
| Gland Bush           | Bronze          | IS : 318 Gr. LTB 2  |
| Stem & Disc          | Stainless Steel | AISI 410            |
| Disc Nut & Gland Nut | Bronze          | IS : 318 Gr. LTB 2  |
| Body Seat Ring       | Stainless Steel | AISI 410            |
| Handwheel            | Cast Iron       | IS : 210 Gr. FG 200 |
| Nut & Washer         | Carbon Steel    | IS : 1367           |
| Gland Packing        | Asbestos        | IS : 4687           |



## BRONZE UNION BONNET No.-9 (Screwed)

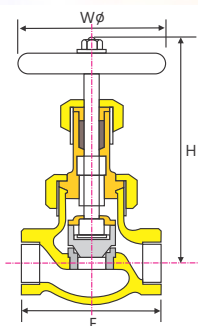
Item Code **BS**

**FEATURES:** Screwed female ends to IS:554/BS 21/ISO 7, Inside screw, Renewable Stainless Steel working parts, with back seat arrangement, Handwheel operated. Also provided with **PTFE seating for AIR & Gas** applications.

► Available in **TEFLON DISC** also



Specially Designed For:



| SIZE   |    | DIMENSIONS |     |     |  |
|--------|----|------------|-----|-----|--|
| Inches | mm | F          | H   | W   |  |
| 1/2    | 15 | 69         | 137 | 76  |  |
| 3/4    | 20 | 89         | 160 | 82  |  |
| 1      | 25 | 93         | 170 | 90  |  |
| 1¼     | 32 | 98         | 180 | 90  |  |
| 1½     | 40 | 106        | 223 | 110 |  |
| 2      | 50 | 137        | 243 | 140 |  |
| 2½     | 65 | 168        | 258 | 164 |  |
| 3      | 80 | 203        | 290 | 180 |  |

### MATERIALS

| Name of Part         | Material        | Specification       |
|----------------------|-----------------|---------------------|
| Body & Bonnet        | Bronze          | IS : 318 Gr. LTB 2  |
| Gland Bush           | Bronze          | IS : 318 Gr. LTB 2  |
| Stem & Disc          | Stainless Steel | AISI 410            |
| Disc Nut & Gland Nut | Bronze          | IS : 318 Gr. LTB 2  |
| Body Seat Ring       | Stainless Steel | AISI 410            |
| Handwheel            | Cast Iron       | IS : 210 Gr. FG 200 |
| Nut & Washer         | Carbon Steel    | IS : 1367           |
| Gland Packing        | Asbestos        | IS : 4687           |

HYD. Test Pressure Shell: 35kg/cm<sup>2</sup> (500psig) Steam: 10.5kg/cm<sup>2</sup> (150psig)



## BRONZE WHEEL(GLOBE) VALVE NO.-5 (Screwed)

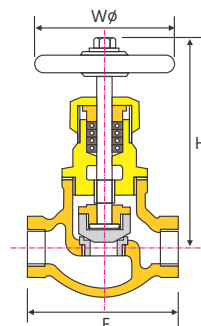
Item Code **WSP**

**FEATURES :** Screwed female ends to IS:554/BS 21/ ISO 7, Inside screw, Rising stem with backseat arrangement, Renewable Stainless Steel (AISI 410) (trim) working parts. Suitable for maximum steam working pressure 250Psig. Maximum operating temperature 225°C. Also provided with **PTFE seating for AIR & Gas** applications.

► Available in **TEFLON DISC** also



Specially Designed For:



| SIZE   |    | DIMENSIONS |     |     |  |
|--------|----|------------|-----|-----|--|
| Inches | mm | F          | H   | W   |  |
| 1/2    | 15 | 58         | 135 | 75  |  |
| 3/4    | 20 | 65         | 160 | 80  |  |
| 1      | 25 | 80         | 170 | 90  |  |
| 1¼     | 32 | 89         | 180 | 90  |  |
| 1½     | 40 | 100        | 220 | 110 |  |
| 2      | 50 | 125        | 225 | 135 |  |

### MATERIALS

| Name of Part         | Material        | Specification       |
|----------------------|-----------------|---------------------|
| Body & Bonnet        | Bronze          | IS : 318 Gr. LTB 2  |
| Gland Bush           | Bronze          | IS : 318 Gr. LTB 2  |
| Stem & Disc          | Stainless Steel | AISI 410            |
| Disc Nut & Gland Nut | Bronze          | IS : 318 Gr. LTB 2  |
| Body Seat Ring       | Stainless Steel | AISI 410            |
| Handwheel            | Cast Iron       | IS : 210 Gr. FG 200 |
| Nut & Washer         | Carbon Steel    | IS : 1367           |
| Gland Packing        | Asbestos        | IS : 4687           |

HYD. Test Pressure Shell: 35kg/cm<sup>2</sup> (500psig) Steam: 10.5kg/cm<sup>2</sup>



## BRONZE HORIZONTAL CHECK VALVE No.-5 (Screwed)

Item Code **HSP**

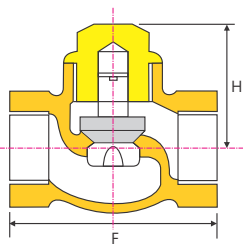
**FEATURES:** Screwed female ends to IS:554/BS 21/ISO 7, Inside screw, Renewable Stainless Steel working parts, meant for Horizontal lines only, Single direction flow, Disc is guided in bonnet.

Also provided with **PTFE seating for AIR & Gas applications.**

► Available in **TEFLON DISC** also



Specially Designed For:



| SIZE   |    | DIMENSIONS |    |  |
|--------|----|------------|----|--|
| Inches | mm | F          | H  |  |
| 1/2    | 15 | 58         | 35 |  |
| 3/4    | 20 | 65         | 41 |  |
| 1      | 25 | 80         | 49 |  |
| 1¼     | 32 | 89         | 56 |  |
| 1½     | 40 | 100        | 65 |  |
| 2      | 50 | 125        | 74 |  |

### MATERIALS

| Name of Part   | Material | Specification      |
|----------------|----------|--------------------|
| Body           | Bronze   | IS : 318 Gr. LTB 2 |
| Bonnet         | Bronze   | IS : 318 Gr. LTB 2 |
| Body Seat Ring | Bronze   | IS : 318 Gr. LTB 2 |
| Disc           | Bronze   | IS : 318 Gr. LTB 2 |
|                |          |                    |
|                |          |                    |
|                |          |                    |



## BRONZE HORIZONTAL CHECK VALVE No.-9 (Screwed)

Item Code **BHS**

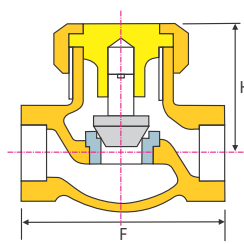
**FEATURES:** Screwed female ends to IS:554/BS 21/ISO 7, Inside screw, Renewable Stainless Steel working parts, meant for Horizontal lines only, single direction flow, Disc is guided in bonnet.

Also provided with **PTFE seating for AIR & Gas applications.**

► Available in **TEFLON DISC** also



Specially Designed For:



| SIZE   |    | DIMENSIONS |     |  |
|--------|----|------------|-----|--|
| Inches | mm | F          | H   |  |
| 1/2    | 15 | 69         | 45  |  |
| 3/4    | 20 | 89         | 50  |  |
| 1      | 25 | 93         | 55  |  |
| 1¼     | 32 | 98         | 65  |  |
| 1½     | 40 | 106        | 74  |  |
| 2      | 50 | 137        | 85  |  |
| 2½     | 65 | 168        | 105 |  |
| 3      | 80 | 203        | 125 |  |

### MATERIALS

| Name of Part   | Material        | Specification      |
|----------------|-----------------|--------------------|
| Body           | Bronze          | IS : 318 Gr. LTB 2 |
| Bonnet         | Bronze          | IS : 318 Gr. LTB 2 |
| Body Seat Ring | Stainless Steel | AISI 410           |
| Disc           | Stainless Steel | AISI 410           |
|                |                 |                    |
|                |                 |                    |
|                |                 |                    |



## BRONZE HORIZONTAL CHECK VALVE No.-9 (Flanged)

Item Code **BHF**

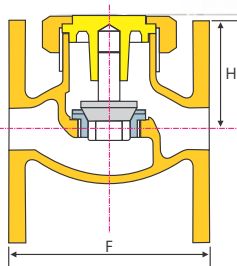
**FEATURES** : Flanged ends to BS 10 Table 'F', Inside screw, Renewable Stainless Steel working parts, with meant for Horizontal lines only, Single direction flow, Disc is guided in bonnet.

Also provided with **PTFE seating for AIR & Gas applications.**

► Available in **TEFLON DISC** also



Specially Designed For:



| SIZE   |    | DIMENSIONS |     |  |
|--------|----|------------|-----|--|
| Inches | mm | F          | H   |  |
| 1/2    | 15 | 82         | 45  |  |
| 3/4    | 20 | 96         | 50  |  |
| 1      | 25 | 112        | 55  |  |
| 1¼     | 32 | 119        | 65  |  |
| 1½     | 40 | 132        | 74  |  |
| 2      | 50 | 158        | 85  |  |
| 2½     | 65 | 188        | 105 |  |
| 3      | 80 | 213        | 125 |  |

### MATERIALS

| Name of Part   | Material        | Specification      |
|----------------|-----------------|--------------------|
| Body           | Bronze          | IS : 318 Gr. LTB 2 |
| Bonnet         | Bronze          | IS : 318 Gr. LTB 2 |
| Body Seat Ring | Stainless Steel | AISI 410           |
| Disc           | Stainless Steel | AISI 410           |
|                |                 |                    |
|                |                 |                    |
|                |                 |                    |

HYD. Test Pressure Shell : **35kg/cm<sup>2</sup>** (500psig) Seat : **20kg/cm<sup>2</sup>** (285psig)



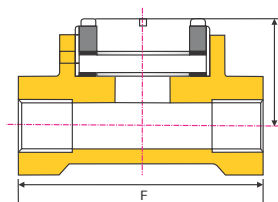
## BRONZE SIGHT GLASS (Screwed)

Item Code **SG**

**FEATURES** : Screwed female ends BSP thread, Single window with toughened glass for max BOP 300 Psig. at 225° working pressure



Specially Designed For:



| SIZE   |    | DIMENSIONS |    |  |
|--------|----|------------|----|--|
| Inches | mm | F          | H  |  |
| 1/2    | 15 | 90         | 32 |  |
| 3/4    | 20 | 95         | 34 |  |
| 1      | 25 | 105        | 41 |  |
| 1¼     | 32 | 108        | 49 |  |
| 1½     | 40 | 112        | 51 |  |
| 2      | 50 | 117        | 52 |  |

### MATERIALS

| Name of Part | Material          | Specification               |
|--------------|-------------------|-----------------------------|
| Body         | Bronze            | IS : 318 Gr. LTB 2          |
| Ring         | Bronze            | IS : 318 Gr. LTB 2          |
| Gasket       | Asbestos/<br>PTFE | IS : 2712/<br>BS EN 12086-1 |
| Window       | Toughened Glass   | ----                        |
|              |                   |                             |
|              |                   |                             |

HYD. Test Pressure Shell : **25kg/cm<sup>2</sup>** (350psig)





## BRONZE GLAND PACKED WATER LEVEL GAUGE SET

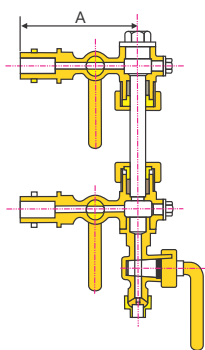
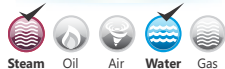
(Screwed)

Item Code **WLG**

**FEATURES** : Screwed male ends BSP, Gland packed,  
Available in left or right hand mounting.



Specially Designed For:



| SIZE   |    | DIMENSIONS |  |  |
|--------|----|------------|--|--|
| Inches | mm | A          |  |  |
| 3/8    | 10 | 102        |  |  |
| 1/2    | 15 | 102        |  |  |
| 5/8    | 18 | 125        |  |  |
| 3/4    | 20 | 125        |  |  |
|        |    |            |  |  |
|        |    |            |  |  |
|        |    |            |  |  |

### MATERIALS

| Name of Part         | Material              | Specification     |
|----------------------|-----------------------|-------------------|
| Body & Gland Nut     | Bronze                | IS : 318 LTB 2    |
| Plug & Gland         | Bronze                | IS : 318 LTB 2    |
| Cover Nut & Back Nut | Bronze                | IS : 318 LTB 2    |
| Fastening Nut        | Brass                 | IS : 6912 FLB     |
| Gland Packing        | Graphited<br>Asbestos | IS : 4687         |
| Gasket               | Steam Jointing Sheet  | IS : 2712 Gr. W/3 |
| Glass Tube           | Toughened Glass       | BS : 3463         |



## BRONZE GLAND PACKED WATER LEVEL GAUGE SET

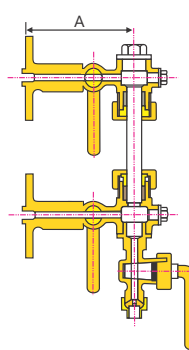
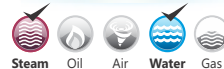
(Flanged)

Item Code **WLF**

**FEATURES** : Flanged ends to BS 10 Table 'F'; Gland packed,  
Available in left or right hand mounting.



Specially Designed For:



| SIZE   |    | DIMENSIONS |  |  |
|--------|----|------------|--|--|
| Inches | mm | A          |  |  |
| 3/8    | 10 | 102        |  |  |
| 1/2    | 15 | 102        |  |  |
| 5/8    | 18 | 125        |  |  |
| 3/4    | 20 | 125        |  |  |
|        |    |            |  |  |
|        |    |            |  |  |
|        |    |            |  |  |

### MATERIALS

| Name of Part         | Material              | Specification     |
|----------------------|-----------------------|-------------------|
| Body & Gland Nut     | Bronze                | IS : 318 LTB 2    |
| Plug & Gland         | Bronze                | IS : 318 LTB 2    |
| Cover Nut & Back Nut | Bronze                | IS : 318 LTB 2    |
| Fastening Nut        | Brass                 | IS : 6912 FLB     |
| Gland Packing        | Graphited<br>Asbestos | IS : 4687         |
| Gasket               | Steam Jointing Sheet  | IS : 2712 Gr. W/3 |
| Glass Tube           | Toughened Glass       | BS 3463           |



## BRONZE ASBESTOS PACKED WATER LEVEL GAUGE SET

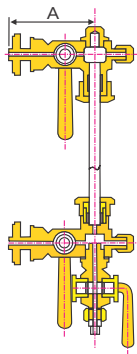
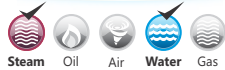
(Screwed)

Item Code **WSG**

**FEATURES** : Screwed male ends BSP, Gland packed,  
Available in left or right hand mounting.



Specially Designed For:



| SIZE   |    | DIMENSIONS |  |  |
|--------|----|------------|--|--|
| Inches | mm | A          |  |  |
| 3/8    | 10 | 102        |  |  |
| 1/2    | 15 | 102        |  |  |
| 5/8    | 18 | 125        |  |  |
| 3/4    | 20 | 118        |  |  |
|        |    |            |  |  |
|        |    |            |  |  |
|        |    |            |  |  |

### MATERIALS

| Name of Part         | Material             | Specification     |
|----------------------|----------------------|-------------------|
| Body & Gland Nut     | Bronze               | IS : 318 LTB 2    |
| Plug & Gland         | Bronze               | IS : 318 LTB 2    |
| Cover Nut & Back Nut | Bronze               | IS : 318 LTB 2    |
| Fastening Nut        | Brass                | IS : 6912 FLB     |
| Gland Packing        | Moulded Asbestos     | IS : 4687         |
| Sleeve               |                      |                   |
| Gasket               | Steam Jointing Sheet | IS : 2712 Gr. W/3 |
| Glass Tube           | Toughened Glass      | BS 3463           |



## BRONZE ASBESTOS PACKED WATER LEVEL GAUGE SET

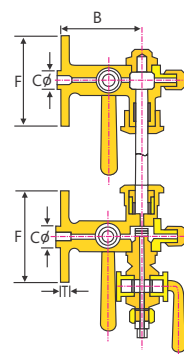
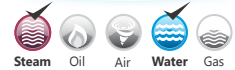
(Flanged)

Item Code **WSF**

**FEATURES** : Flanged ends to BS 10 Table 'F'; Gland packed,  
Available in left or right hand mounting.



Specially Designed For:



| SIZE   |    | DIMENSIONS |    |      |     |
|--------|----|------------|----|------|-----|
| Inches | mm | F          | B  | C    | T   |
| 3/8    | 10 | 95         | 80 | 12.7 | 8.0 |
| 1/2    | 15 | 95         | 80 | 19.0 | 8.0 |
| 5/8    | 18 | 102        | 99 | 25.0 | 8.0 |
| 3/4    | 20 | 115        | 99 | 18.0 | 8.0 |
|        |    |            |    |      |     |
|        |    |            |    |      |     |
|        |    |            |    |      |     |
|        |    |            |    |      |     |

### MATERIALS

| Name of Part         | Material             | Specification     |
|----------------------|----------------------|-------------------|
| Body & Gland Nut     | Bronze               | IS : 318 LTB 2    |
| Plug & Gland         | Bronze               | IS : 318 LTB 2    |
| Cover Nut & Back Nut | Bronze               | IS : 318 LTB 2    |
| Fastening Nut        | Brass                | IS : 6912 FLB     |
| Gland Packing        | Moulded Asbestos     | IS : 4687         |
| Sleeve               |                      |                   |
| Gasket               | Steam Jointing Sheet | IS : 2712 Gr. W/3 |
| Glass Tube           | Toughened Glass      | BS 3463           |

HYD. Test Pressure Shell : 20kg/cm<sup>2</sup> (300psig)    Seat : 10kg/cm<sup>2</sup> (150psig)

HYD. Test Pressure Shell : 20kg/cm<sup>2</sup> (300psig)    Seat : 10kg/cm<sup>2</sup> (150psig)



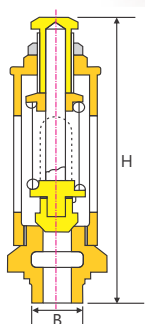
## BRONZE SPRING RELIEF VALVE Open Type (Screwed) Male Ends

Item Code **RV**

**FEATURES:** Screwed male end to IS:554/ BS 21/ ISO 7, Spring loaded open discharge. Metal to metal contact seating, Suitable for maximum set pressure 150 Psig.



Specially Designed For:



| SIZE   |    | DIMENSIONS |     |
|--------|----|------------|-----|
| Inches | mm | B          | H   |
| 1/2    | 15 | 1/2" BSP   | 140 |
| 3/4    | 20 | 3/4" BSP   | 165 |
| 1      | 25 | 1" BSP     | 175 |
| 1 1/4  | 32 | 1 1/4" BSP | 185 |
| 1 1/2  | 40 | 1 1/2" BSP | 205 |
| 2      | 50 | 2" BSP     | 235 |

### MATERIALS

| Name of Part        | Material          | Specification      |
|---------------------|-------------------|--------------------|
| Body                | Bronze            | IS : 318 Gr. LTB 2 |
| Disc                | Bronze            | IS : 318 Gr. LTB 2 |
| Stem                | Forged Brass      | IS : 6912 FLB      |
| Adjusting Screw     | Bronze            | IS : 318 Gr. LTB-2 |
| Check Nut           | Bronze            | IS : 318 Gr. LTB 2 |
| Chamber             | Bronze            | IS : 318 Gr. LTB 2 |
| Upper Spring Guided | Bronze            | IS : 318 Gr. LTB 2 |
| Spring              | Spring Steel C.P. | EN 47 Gr. B        |



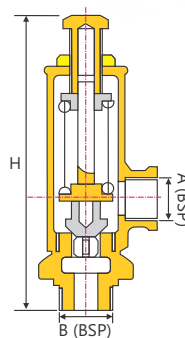
## BRONZE SPRING RELIEF VALVE Angle Type (Screwed)

Item Code **ARV**

**FEATURES:** Screwed male BSP inlet & screwed female BSP outlet to IS:554, Spring loaded angle discharge. Metal to metal contact seating, Suitable for maximum set pressure 150 Psig.



Specially Designed For:



| SIZE   |    | DIMENSIONS |        |     |
|--------|----|------------|--------|-----|
| Inches | mm | A          | B      | H   |
| 1/2    | 15 | 1/2"       | 1/2"   | 140 |
| 3/4    | 20 | 3/4"       | 3/4"   | 165 |
| 1      | 25 | 1"         | 1"     | 175 |
| 1 1/4  | 32 | 1 1/4"     | 1 1/4" | 185 |
| 1 1/2  | 40 | 1 1/2"     | 1 1/2" | 205 |
| 2      | 50 | 2"         | 2"     | 235 |

### MATERIALS

| Name of Part        | Material          | Specification      |
|---------------------|-------------------|--------------------|
| Body                | Bronze            | IS : 318 Gr. LTB 2 |
| Disc                | Bronze            | IS : 318 Gr. LTB 2 |
| Stem                | Forged Brass      | IS : 6912 FLB      |
| Adjusting Screw     | Bronze            | IS : 318 Gr. LTB 2 |
| Check Nut           | Bronze            | IS : 318 Gr. LTB 2 |
| Chamber             | Bronze            | IS : 318 Gr. LTB 2 |
| Upper Spring Guided | Bronze            | IS : 318 Gr. LTB 2 |
| Spring              | Spring Steel C.P. | EN 47 Gr. B        |



## BRASS AIR RELEASE VALVE

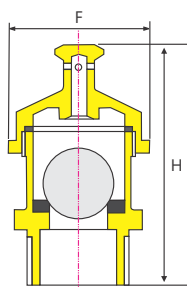
(Screwed)

Item Code **AV**

**FEATURES** : Screwed male ends BSP,  
Gland packed, Full polished body.



Specially Designed For:



| SIZE   |    | DIMENSIONS |    |  |
|--------|----|------------|----|--|
| Inches | mm | F          | H  |  |
| 1/2    | 15 | 36         | 78 |  |
| 3/4    | 20 | 36         | 78 |  |
| 1      | 25 | 36         | 78 |  |
|        |    |            |    |  |
|        |    |            |    |  |
|        |    |            |    |  |
|        |    |            |    |  |

### MATERIALS

| Name of Part | Material | Specification   |
|--------------|----------|-----------------|
| Body         | Brass    | IS : 1264 DCB 2 |
| Cover        | Brass    | IS : 1364 DCB 2 |
| Ball         | Silicon  | ---             |
|              |          |                 |
|              |          |                 |
|              |          |                 |
|              |          |                 |

HYD. Test Pressure Shell : 15.5kg/cm<sup>2</sup> (218psig) Seat : 10kg/cm<sup>2</sup> (145psig)



## BRONZE THERMODYNAMIC STEAM TRAP

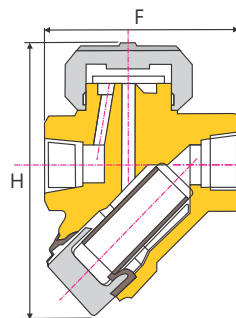
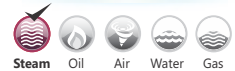
(Screwed)

Item Code **ST**

**FEATURES** : Screwed female ends to BSPT, Provided with  
integral strainer. Stainless Steel (AISI 304) perforated  
screen, Renewable 13% Cr. Stainless Steel working parts.



Specially Designed For:



| SIZE   |    | DIMENSIONS |     |  |
|--------|----|------------|-----|--|
| Inches | mm | F          | H   |  |
| 1/2    | 15 | 82         | 100 |  |
| 3/4    | 20 | 97         | 104 |  |
| 1      | 25 | 120        | 120 |  |
|        |    |            |     |  |
|        |    |            |     |  |
|        |    |            |     |  |
|        |    |            |     |  |

### MATERIALS

| Name of Part | Material        | Specification      |
|--------------|-----------------|--------------------|
| Body         | Bronze          | IS : 318 Gr. LTB 2 |
| Cover        | Stainless Steel | AISI : 304         |
| Upper Disc   | Stainless Steel | AISI : 410         |
| Seat         | Stainless Steel | AISI : 410         |
| Screen       | Stainless Steel | AISI : 304         |
| Bottom Nut   | Stainless Steel | IS : 420           |
| Top Nut      | Stainless Steel | IS : 420           |
|              |                 |                    |
|              |                 |                    |

HYD. Test Pressure Shell : 35kg/cm<sup>2</sup> (500psig) Steam : 18kg/cm<sup>2</sup> (250psig)





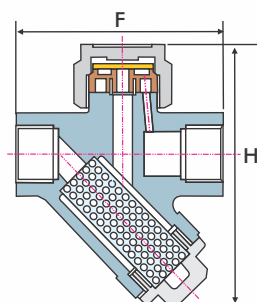
# S.S. THERMODYNAMIC STEAM TRAP (Screwed)

Item Code **IST**



**FEATURES :** Screwed female ends to BSPT, Provided with Integral strainer. Superior quality investment casting, Stainless Steel (AISI 304) perforated screen.

Specially Designed For:



| SIZE   |    | DIMENSIONS |     |  |
|--------|----|------------|-----|--|
| Inches | mm | F          | H   |  |
| 1/2    | 15 | 78         | 104 |  |
| 3/4    | 20 | 78         | 104 |  |
| 1      | 25 | 90         | 112 |  |
|        |    |            |     |  |
|        |    |            |     |  |
|        |    |            |     |  |
|        |    |            |     |  |

| MATERIALS    |                 |               |
|--------------|-----------------|---------------|
| Name of Part | Material        | Specification |
| Body         | Stainless Steel | AISI : 420    |
| Cover        | Stainless Steel | AISI : 420    |
| Disc         | Stainless Steel | AISI : 410    |
| Screen       | Stainless Steel | AISI : 304    |
| Bottom Nut   | Stainless Steel | IS : 420      |
| Top Nut      | Stainless Steel | IS : 420      |
|              |                 |               |
|              |                 |               |



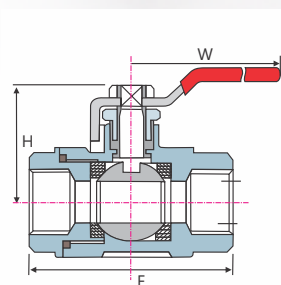
# S.S. BALL VALVE (STANDARD) (Screwed)

Item Code **IC/ICM**

**FEATURES :** Screwed ends to BSPT,  
Investment casting S.S. (CF-8/ CF-8M)  
Full bore, Single Piece, Lever operated,  
Blow out stem with floating ball.



Specially Designed For:



| SIZE   |     | DIMENSIONS |     |     |
|--------|-----|------------|-----|-----|
| Inches | mm  | F          | H   | W   |
| 1/4    | 8   | 53         | 38  | 110 |
| 3/8    | 10  | 53         | 38  | 110 |
| 1/2    | 15  | 64         | 60  | 122 |
| 3/4    | 20  | 75         | 64  | 122 |
| 1      | 25  | 84         | 68  | 130 |
| 1¼     | 32  | 95         | 72  | 130 |
| 1½     | 40  | 104        | 95  | 168 |
| 2      | 50  | 125        | 105 | 195 |
| 2½     | 65  | 140        | 105 | 238 |
| 3      | 80  | 160        | 118 | 242 |
| 4      | 100 | 180        | 148 | 298 |

| MATERIALS             |                 |                 |
|-----------------------|-----------------|-----------------|
| Name of Part          | Material        | Specification   |
| Body & Body Connector | Stainless Steel | AISI : 304/ 316 |
| Ball                  | Stainless Steel | AISI : 304/ 316 |
| Stem & Gland Nut      | Stainless Steel | AISI : 304/ 316 |
| Lever & Lever Nut     | Stainless Steel | AISI : 304      |
| Stem & Ball Seat      | Teflon          | PTFE            |
| Gland Packing         | Teflon          | PTFE            |
| Lever Sleeve          | PVC             | ---             |
|                       |                 |                 |
|                       |                 |                 |

HYD. Test Pressure Shell : **70kg/cm<sup>2</sup>** (1000psig)    Seat :**35kg/cm<sup>2</sup>** (500psig)



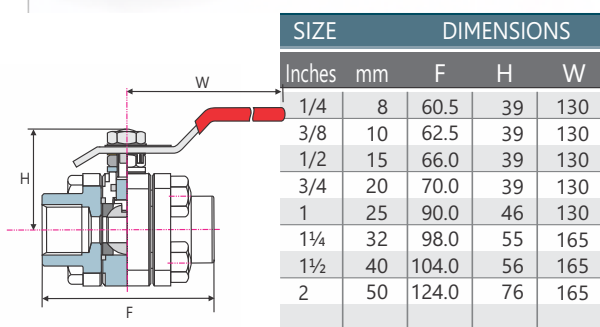
## C.S. BALL VALVE (Screwed)

Item Code **BVM**

**FEATURES:** Body made out of Graded Wrought Carbon Steel, Screwed ends to BSPT, Full bore, Three piece design, Lever operated, Blow out stem, Floating ball.



Specially Designed For:



### MATERIALS

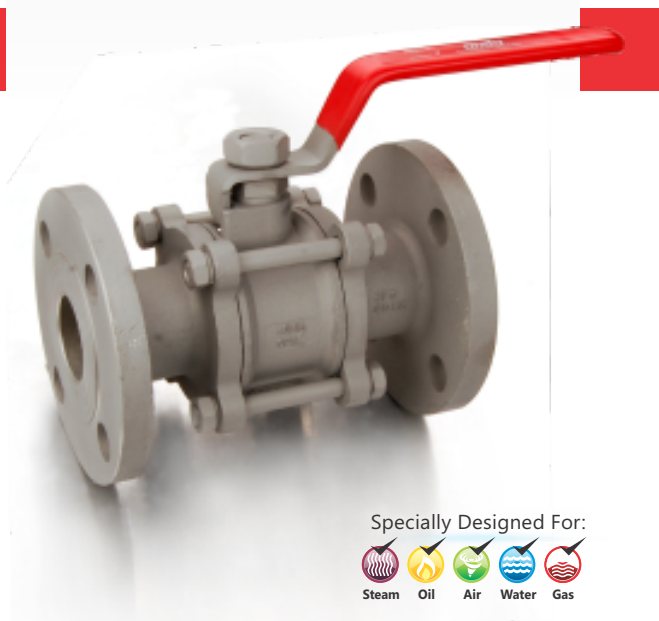
| Name of Part          | Material        | Specification |
|-----------------------|-----------------|---------------|
| Body & Body Connector | Wrought Carbon  | WCB           |
| Ball                  | Stainless Steel | AISI : 304    |
| Stem & Gland Nut      | Stainless Steel | AISI : 304    |
| Lever & Lever Nut     | Stainless Steel | AISI : 304    |
| Stem & Ball Seat      | Teflon          | PTFE          |
| Gland Packing         | Teflon          | PTFE          |
| Lever Sleeve          | PVC             | ---           |



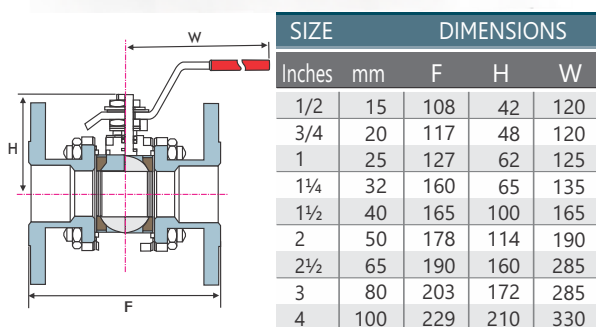
## S.S. BALL VALVE 3 PIECE DESIGN (Flanged)

Item Code **ICF**

**FEATURES :** Flanged ends as per ASA-150 & Drilled as per ANSI-B-16.5 RF. Investment casting S.S. (AISI 304/316) CF8/CF8M Full bore, Three piece, Lever operated, Blow out stem, Floating Ball.  
FIRE / NON FIRE SAFE DESIGN.



Specially Designed For:



### MATERIALS

| Name of Part          | Material        | Specification   |
|-----------------------|-----------------|-----------------|
| Body & Body Connector | Stainless Steel | AISI : 304/ 316 |
| Ball, Stud & Nut      | Stainless Steel | AISI : 304/ 316 |
| Stem & Gland Nut      | Stainless Steel | AISI : 304/ 316 |
| Lever & Lever Nut     | Stainless Steel | AISI : 304      |
| Stem & Ball Seat      | Teflon          | PTFE            |
| Gland Packing         | Teflon          | PTFE            |
| Lever Sleeve          | PVC             | ---             |



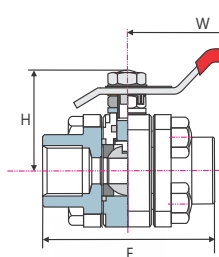
## S.S. BALL VALVE 3 PIECE DESIGN (Screwed)

Item Code **ICS**

**FEATURES** : Screwed ends to BSPT, Investment casting S.S. (AISI 304/316)CF8/ CF8M Full bore, Three piece, Lever operated, Blow out stem, Floating ball,



Specially Designed For:



| SIZE   |    | DIMENSIONS |     |     |  |
|--------|----|------------|-----|-----|--|
| Inches | mm | F          | H   | W   |  |
| 1/2    | 15 | 70         | 41  | 110 |  |
| 3/4    | 20 | 75         | 44  | 121 |  |
| 1      | 25 | 88         | 60  | 135 |  |
| 1¼     | 32 | 100        | 65  | 135 |  |
| 1½     | 40 | 102        | 77  | 170 |  |
| 2      | 50 | 124        | 87  | 183 |  |
| 2½     | 65 | 140        | 113 | 245 |  |
| 3      | 80 | 157        | 120 | 248 |  |

### MATERIALS

| Name of Part          | Material        | Specification   |
|-----------------------|-----------------|-----------------|
| Body & Body Connector | Stainless Steel | AISI : 304/ 316 |
| Ball, Stud & Nut      | Stainless Steel | AISI : 304/ 316 |
| Stem & Gland Nut      | Stainless Steel | AISI : 304/ 316 |
| Lever & Lever Nut     | Stainless Steel | AISI : 304      |
| Stem & Ball Seat      | Teflon          | PTFE            |
| Gland Packing         | Teflon          | PTFE            |
| Lever Sleeve          | PVC             | ---             |

HYD. Test Pressure Shell : **70kg/cm<sup>2</sup>** (1000psig) Seat :**35kg/cm<sup>2</sup>** (500psig)



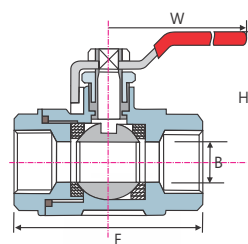
## S.S. BALL VALVE (MEDIUM) (Screwed)

Item Code **ICL**

**FEATURES** : Screwed ends to BSPT, Full bore, Investment casting S.S. (AISI 304/ 316) (CF-8) Single piece, Lever operated, Blow out stem, Floating ball.



Specially Designed For:



| SIZE   |    | DIMENSIONS |     |     |  |
|--------|----|------------|-----|-----|--|
| Inches | mm | F          | H   | W   |  |
| 1/2    | 15 | 57         | 40  | 110 |  |
| 3/4    | 20 | 70         | 55  | 110 |  |
| 1      | 25 | 78         | 62  | 122 |  |
| 1¼     | 32 | 89         | 90  | 174 |  |
| 1½     | 40 | 104        | 90  | 174 |  |
| 2      | 50 | 116        | 105 | 174 |  |

### MATERIALS

| Name of Part          | Material        | Specification   |
|-----------------------|-----------------|-----------------|
| Body & Body Connector | Stainless Steel | AISI : 304/ 316 |
| Ball, Stud & Nut      | Stainless Steel | AISI : 304/ 316 |
| Stem & Gland Nut      | Stainless Steel | AISI : 304/ 316 |
| Lever & Lever Nut     | Stainless Steel | AISI : 304      |
| Stem & Ball Seat      | Teflon          | PTFE            |
| Gland Packing         | Teflon          | PTFE            |
| Lever Sleeve          | PVC             | ---             |

HYD. Test Pressure Shell : **55kg/cm<sup>2</sup>** (800psig) Seat :**27kg/cm<sup>2</sup>** (400psig)





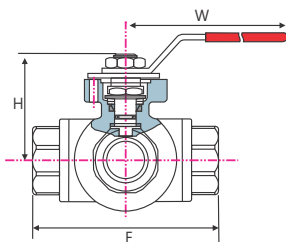
## S.S. 3-WAY BALL VALVE (Screwed)

Item Code **3WV**

**FEATURES** : Screwed ends to BSPT, Investment casting S.S. (CF-8M) Full bore, Balance four-seat construction for positive shut off, Single piece, 4 position Lever operated, Blow out stem, Floating ball, Chrome plated body.



Specially Designed For:



| SIZE   |    | DIMENSIONS |    |     |  |
|--------|----|------------|----|-----|--|
| Inches | mm | F          | H  | W   |  |
| 1/2    | 15 | 73         | 42 | 135 |  |
| 3/4    | 20 | 79         | 45 | 137 |  |
| 1      | 25 | 89         | 54 | 137 |  |
|        |    |            |    |     |  |
|        |    |            |    |     |  |
|        |    |            |    |     |  |
|        |    |            |    |     |  |
|        |    |            |    |     |  |

### MATERIALS

| Name of Part          | Material        | Specification   |
|-----------------------|-----------------|-----------------|
| Body & Body Connector | Stainless Steel | AISI : 304/ 316 |
| Ball                  | Stainless Steel | AISI : 304/ 316 |
| Stem & Gland Nut      | Stainless Steel | AISI : 304/ 316 |
| Lever & Lever Nut     | Stainless Steel | AISI : 304      |
| Stem & Ball Seat      | Teflon          | PTFE            |
| Gland Packing         | Teflon          | PTFE            |
| Lever Sleeve          | PVC             | ---             |



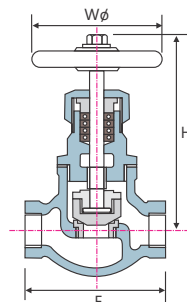
## S.S. GLOBE STEAM VALVE (Screwed)

Item Code **SGV**

**FEATURES** : Rising stem, Screwed in bonnet, Inside screw, Integral seats, Screwed female ends (BSP). Handwheel operated,



Specially Designed For:



| SIZE   |    | DIMENSIONS |     |    |  |
|--------|----|------------|-----|----|--|
| Inches | mm | F          | H   | W  |  |
| 1/2    | 15 | 75         | 98  | 61 |  |
| 3/4    | 20 | 87         | 114 | 65 |  |
| 1      | 25 | 97         | 121 | 75 |  |
|        |    |            |     |    |  |
|        |    |            |     |    |  |
|        |    |            |     |    |  |
|        |    |            |     |    |  |

### MATERIALS

| Name of Part     | Material         | Specification   |
|------------------|------------------|-----------------|
| Body & Connector | Stainless Steel  | AISI : 304/ 316 |
| Gland Nut        | Stainless Steel  | AISI : 304/ 316 |
| Stem & Disc      | Stainless Steel  | AISI : 410      |
| Seat Ring        | Stainless Steel  | AISI : 410      |
| Nut & Washer     | Stainless Steel  | AISI : 304      |
| Gland Packing    | Asbestos/ Teflon | IS : 4687/ PTFE |
| Handwheel        | Cast Iron        | IS : 210 FG 200 |

## PRESSURE TEMPERATURE RATING

| Nominal Pressure | Standard Nos.                      | Max. Permissible Gauge Working Pressure at Temperature °C. |     |     |     |     |     |     |
|------------------|------------------------------------|------------------------------------------------------------|-----|-----|-----|-----|-----|-----|
| 40               | BS-5160<br>(Bar)                   | 10-120                                                     | 200 | 250 | 300 | 350 | 400 | 425 |
|                  |                                    | 40                                                         | 40  | 38  | 33  | 28  | 23  | 20  |
|                  | DIN-2401<br>(Kg/cm <sup>2</sup> g) | 40                                                         | 35  | 32  | 28  | 24  | 21  | —   |

## DRILLING TEMPLATES

| SIZE:<br>Inches mm |     | PN10<br>FD P.C.D x H.D x N.O.H |           | PN16<br>FD P.C.D x H.D x N.O.H |           | PN25<br>FD P.C.D x H.D x N.O.H |           | PN40<br>FD P.C.D x H.D x N.O.H |           | ASA 150 B16.5<br>FD P.C.D x H.D x N.O.H |               |
|--------------------|-----|--------------------------------|-----------|--------------------------------|-----------|--------------------------------|-----------|--------------------------------|-----------|-----------------------------------------|---------------|
| 1/2                | 15  | 95                             | 65x14x4   | 95                             | 65x14x4   | 95                             | 65x14x4   | 95                             | 65x14x4   | 88.9                                    | 60.3x15.9x4   |
| 3/4                | 20  | 105                            | 75x14x4   | 105                            | 75x14x4   | 105                            | 75x14x4   | 105                            | 75x14x4   | 98.4                                    | 69.8x15.9x4   |
| 1                  | 25  | 115                            | 85x14x4   | 115                            | 85x14x4   | 115                            | 85x14x4   | 115                            | 85x14x4   | 107.9                                   | 79.4x15.9x4   |
| 1 1/4              | 32  | 140                            | 100x18x4  | 140                            | 100x18x4  | 140                            | 100x18x4  | 140                            | 100x18x4  | 117.5                                   | 88.9x15.9x4   |
| 1 1/2              | 40  | 150                            | 110x18x4  | 150                            | 110x18x4  | 150                            | 110x18x4  | 150                            | 110x18x4  | 127.0                                   | 98.4x15.9x4   |
| 2                  | 50  | 165                            | 125x18x4  | 165                            | 125x18x4  | 165                            | 125x18x4  | 165                            | 125x18x4  | 152.4                                   | 120.6x19.x4   |
| 2 1/2              | 65  | 185                            | 145x18x4  | 185                            | 145x18x4  | 185                            | 145x18x4  | 185                            | 145x18x4  | 177.8                                   | 139.7x19.x4   |
| 3                  | 80  | 200                            | 160x18x8  | 200                            | 160x18x8  | 200                            | 160x18x8  | 200                            | 160x18x8  | 190.5                                   | 152.4x19.x4   |
| 4                  | 100 | 220                            | 180x18x8  | 220                            | 180x18x8  | 235                            | 190x22x8  | 235                            | 190x22x8  | 228.6                                   | 190.5x19.x8   |
| 5                  | 125 | 250                            | 210x18x8  | 250                            | 210x18x8  | 270                            | 220x26x8  | 270                            | 220x26x8  | 254.0                                   | 215.9x22.2.x8 |
| 6                  | 150 | 285                            | 240x22x8  | 285                            | 240x22x8  | 300                            | 250x26x8  | 300                            | 250x26x8  | 279.4                                   | 241.3x22.2.x8 |
| 8                  | 200 | 340                            | 295x22x8  | 340                            | 295x22x12 | 360                            | 310x26x12 | 375                            | 320x30x12 | 342.9                                   | 298.4x22.2.x8 |
| 10                 | 250 | 395                            | 350x22x12 | 405                            | 355x26x12 | 425                            | 370x30x12 | 450                            | 385x33x12 | 406.4                                   | 361.9x25.4x12 |
| 12                 | 300 | 445                            | 400x22x12 | 460                            | 410x26x12 | 485                            | 430x30x16 | 515                            | 450x33x16 | 482.6                                   | 431.8x25.4x12 |
| 14                 | 350 | 505                            | 460x22x16 | 520                            | 470x26x16 | 555                            | 490x33x16 | 580                            | 510x36x16 | 533.4                                   | 476.2x28.6x12 |
| 16                 | 400 | 565                            | 515x26x16 | 580                            | 525x30x16 | 620                            | 550x33x16 | 660                            | 585x39x16 | 596.9                                   | 539.7x28.6x16 |
| 18                 | 450 | 615                            | 565x26x20 | 640                            | 585x30x20 | 670                            | 600x36x20 | 685                            | 610x39x20 | 635.0                                   | 577.8x31.8x16 |
| 20                 | 500 | 670                            | 620x26x20 | 715                            | 650x33x20 | 730                            | 660x36x20 | 755                            | 670x42x20 | 698.5                                   | 635x31.7x20   |
| 24                 | 600 | 780                            | 725x27x20 | 840                            | 770x33x20 | 845                            | 770x36x20 | 890                            | 795x48x20 | 812.8                                   | 749.3x34.9x20 |

| SIZE:<br>Inches mm |     | ASA 300 B16.5<br>FD P.C.D x H.D x N.O.H |               | IS:6392 Table 17<br>FD P.C.D x H.D x N.O.H |           | BS 10 Table D<br>FD P.C.D x H.D x N.O.H |               | BS 10 Table E<br>FD P.C.D x H.D x N.O.H |               | BS 10 Table F<br>FD P.C.D x H.D x N.O.H |               |
|--------------------|-----|-----------------------------------------|---------------|--------------------------------------------|-----------|-----------------------------------------|---------------|-----------------------------------------|---------------|-----------------------------------------|---------------|
| 1/2                | 15  | 95.2                                    | 66.7x15.9x4   | 95.0                                       | 65x14x4   | 95.3                                    | 66.7x14.3x4   | 95.3                                    | 66.7x14.3x4   | 95.3                                    | 66.7x14.3x4   |
| 3/4                | 20  | 117.5                                   | 82.5x19.0x4   | 105.0                                      | 75x14x4   | 101.6                                   | 73.0x14.3x4   | 101.6                                   | 73.0x14.3x4   | 101.6                                   | 73.0x14.3x4   |
| 1                  | 25  | 123.8                                   | 88.9x19.0x4   | 115.0                                      | 85x14x4   | 114.3                                   | 82.6x14.3x4   | 114.3                                   | 82.6x14.3x4   | 120.7                                   | 87.3x17.4x4   |
| 1 1/4              | 32  | 133.3                                   | 98.4x19.0x4   | 140.0                                      | 100x18x4  | 120.7                                   | 87.3x14.3x4   | 120.7                                   | 87.3x14.3x4   | 133.4                                   | 98.4x17.4x4   |
| 1 1/2              | 40  | 155.6                                   | 114.3x22.2x4  | 150.0                                      | 110x18x4  | 133.4                                   | 98.4x14.3x4   | 133.4                                   | 98.4x14.3x4   | 139.7                                   | 104.8x17.4x4  |
| 2                  | 50  | 165.1                                   | 127.0x19.0x8  | 165.0                                      | 125x18x4  | 152.4                                   | 114.3x17.4x4  | 152.4                                   | 114.3x17.4x4  | 165.1                                   | 127.0x17.4x4  |
| 2 1/2              | 65  | 190.5                                   | 149.2x22.2x8  | 185.0                                      | 145x18x4  | 165.1                                   | 127.0x17.4x4  | 165.1                                   | 127.0x17.4x4  | 184.2                                   | 146.1x17.4x8  |
| 3                  | 80  | 209.5                                   | 168.3x22.2x8  | 200.0                                      | 160x18x8  | 184.2                                   | 146.1x17.4x4  | 184.2                                   | 146.1x17.4x4  | 203.2                                   | 165.1x17.4x8  |
| 4                  | 100 | 254.0                                   | 200.0x22.2x8  | 220.0                                      | 180x18x8  | 215.9                                   | 177.8x17.4x4  | 215.9                                   | 177.8x17.4x8  | 228.6                                   | 190.5x17.4x8  |
| 5                  | 125 | 279.4                                   | 234.9x22.2x8  | 250.0                                      | 210x18x8  | 254.0                                   | 209.6x17.4x8  | 254.0                                   | 209.6x17.4x8  | 279.4                                   | 235.0x22.2x8  |
| 6                  | 150 | 317.5                                   | 269.9x22.2x12 | 285.0                                      | 240x22x8  | 279.4                                   | 235.0x17.4x8  | 279.4                                   | 235.0x22.2x12 | 304.8                                   | 260.4x22.2x12 |
| 8                  | 200 | 381.0                                   | 330.2x25.4x12 | 340.0                                      | 295x22x12 | 336.6                                   | 292.1x17.4x8  | 336.6                                   | 292.1x22.2x8  | 368.3                                   | 323.9x22.2x12 |
| 10                 | 250 | 444.5                                   | 387.3x28.6x16 | 405.0                                      | 355x26x12 | 406.4                                   | 355.6x22.2x8  | 406.4                                   | 355.6x22.2x12 | 431.8                                   | 381.0x25.4x12 |
| 12                 | 300 | 520.7                                   | 450.8x31.7x16 | 460.0                                      | 410x26x12 | 457.2                                   | 406.4x22.2x12 | 457.2                                   | 406.4x25.4x12 | 489.0                                   | 438.2x25.4x16 |
| 14                 | 350 | 584.2                                   | 514.3x31.7x20 | 520.0                                      | 470x26x16 | 527.1                                   | 469.9x25.4x12 | 527.1                                   | 469.9x25.4x12 | 552.5                                   | 495.3x28.6x16 |
| 16                 | 400 | 647.7                                   | 571.5x34.9x20 | 580.0                                      | 525x30x16 | 577.9                                   | 520.7x25.4x12 | 577.9                                   | 520.7x25.4x12 | 609.6                                   | 552.5x28.6x20 |
| 18                 | 450 | 711.2                                   | 628.5x34.9x24 |                                            |           | 641.4                                   | 584.2x25.4x12 | 641.4                                   | 584.2x25.4x16 | 673.1                                   | 609.6x31.8x20 |
| 20                 | 500 | 774.7                                   | 685.8x34.9x24 | 715.0                                      | 650x33x20 | 704.9                                   | 641.4x25.4x16 | 704.9                                   | 641.4x25.4x16 | 736.6                                   | 673.1x31.8x24 |
| 24                 | 600 | 914.4                                   | 812.8x41.3x24 | 840.0                                      | 770x36x20 | 825.5                                   | 755.7x28.6x16 | 825.5                                   | 755.7x31.8x16 | 850.9                                   | 781.1x34.9x24 |

| SIZE:<br>Inches mm |     | BS 10 Table H<br>FD P.C.D x H.D x N.O.H |               | BS 10 Table J<br>FD P.C.D x H.D x N.O.H |               | BS 10 Table K<br>FD P.C.D x H.D x N.O.H |                | IS:1538/ IS:14846<br>FD P.C.D x H.D x N.O.H |           |
|--------------------|-----|-----------------------------------------|---------------|-----------------------------------------|---------------|-----------------------------------------|----------------|---------------------------------------------|-----------|
| 1/2                | 15  | 114.3                                   | 82.6x17.4x4   | 114.3                                   | 82.6x17.4x4   | 114.3                                   | 82.6x17.4x4    |                                             |           |
| 3/4                | 20  | 114.3                                   | 82.6x17.4x4   | 114.3                                   | 82.6x17.4x4   | 114.3                                   | 82.6x17.4x4    |                                             |           |
| 1                  | 25  | 120.7                                   | 87.3x17.4x4   | 120.7                                   | 87.3x17.4x4   | 127.0                                   | 95.3x17.4x4    |                                             |           |
| 1 1/4              | 32  | 133.4                                   | 98.4x17.4x4   | 133.4                                   | 98.4x17.4x4   | 133.4                                   | 98.4x17.4x4    |                                             |           |
| 1 1/2              | 40  | 139.7                                   | 104.8x17.4x4  | 139.7                                   | 104.8x17.4x4  | 152.4                                   | 114.3x22.2x4   |                                             |           |
| 2                  | 50  | 165.1                                   | 127.0x17.4x4  | 165.1                                   | 127.0x22.2x4  | 165.1                                   | 127.0x17.4x8   | 165                                         | 125x19x4  |
| 2 1/2              | 65  | 184.2                                   | 146.1x17.4x8  | 184.2                                   | 146.1x22.2x8  | 184.2                                   | 146.1x22.2x8   | 185                                         | 145x19x4  |
| 3                  | 80  | 203.2                                   | 165.1x17.4x8  | 203.2                                   | 165.1x22.2x8  | 203.2                                   | 165.1x22.2x8   | 200                                         | 160x19x4  |
| 4                  | 100 | 228.6                                   | 190.5x17.4x8  | 228.6                                   | 190.5x22.2x8  | 241.3                                   | 196.9x25.4x8   | 220                                         | 180x19x8  |
| 5                  | 125 | 279.4                                   | 235.0x22.2x8  | 279.4                                   | 235.0x25.4x8  | 279.4                                   | 235.0x25.4x12  | 250                                         | 210x19x8  |
| 6                  | 150 | 304.8                                   | 260.4x22.2x12 | 304.8                                   | 260.4x25.4x12 | 304.8                                   | 260.4x25.4x12  | 285                                         | 240x23x8  |
| 8                  | 200 | 368.3                                   | 323.9x22.2x12 | 368.3                                   | 323.9x25.4x12 | 368.3                                   | 317.5x28.6x12  | 340                                         | 295x23x8  |
| 10                 | 250 | 431.8                                   | 381.0x25.4x12 | 431.8                                   | 381.0x28.6x12 | 431.8                                   | 381.0x28.6x16  | 395                                         | 350x23x12 |
| 12                 | 300 | 489.0                                   | 438.2x25.4x16 | 489.0                                   | 438.2x28.6x16 | 489.0                                   | 431.8x31.8x16  | 445                                         | 400x23x12 |
| 14                 | 350 | 552.5                                   | 495.3x28.6x16 | 552.5                                   | 495.3x31.8x16 | 571.5                                   | 508.0x34.9x16  | 505                                         | 460x23x16 |
| 16                 | 400 | 609.6                                   | 552.5x28.6x20 | 609.6                                   | 552.5x31.8x20 | 628.7                                   | 565.2x34.9x20  | 565                                         | 515x28x16 |
| 18                 | 450 | 673.1                                   | 609.6x31.8x20 | 673.1                                   | 609.6x34.9x20 | 717.6                                   | 654.0x38.1x20  | 615                                         | 565x28x20 |
| 20                 | 500 | 736.6                                   | 673.1x31.8x24 | 736.6                                   | 673.1x34.9x24 | 787.4                                   | 711.2 x41.3x20 | 670                                         | 620x28x20 |
| 24                 | 600 | 850.9                                   | 781.1x34.9x24 | 850.9                                   | 781.1x38.1x24 |                                         |                | 780                                         | 725x31x20 |

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CERTIFICATIONS



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