



AV-1 Bronze Union Bonnet Globe Valve No. 9 (Screwed Ends)

Features

Screwed on Bonnet, Inside Screw, Rising Stem, S.S. 410 Working Part, Renewable S.S. Trim with Back Seat Arrangement Handwheel Operated.

Test Pressure

Body : 600 Psig (Hyd.)

Seat & Back Seat : 300 Psig (Hyd.)

Testing Standard : BS EN 12266 Part-1

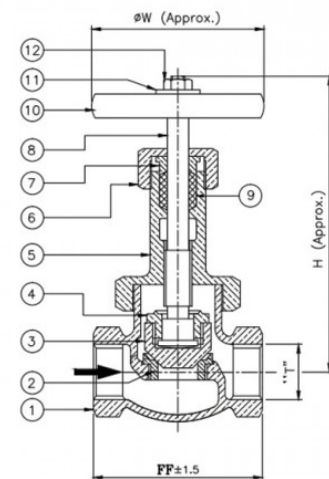
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|----------------|--------------------|---------------------|
| 1 | Body | Bronze | BS 1400 LG2 |
| 12 | Body Seat Ring | Stainless Steel | ASTM A 276 Type 410 |
| 2 | Disc | Stainless Steel | ASTM A 276 Type 410 |
| 3 | Disc Nut | Bronze | BS 1400 LG2 |
| 4 | Bonnet | Bronze | BS 1400 LG2 |
| 5 | Gland Nut | Bronze | BS 1400 LG2 |
| 6 | Gland | Bronze | BS 1400 LG2 |
| 7 | Stem | Stainless Steel | ASTM A 276 Type 410 |
| 8 | Packing | Graphited Asbestos | - |
| 9 | Handwheel | Cast Iron | BS 1452 Gr. 220 |
| 10 | Washer | Carbon Steel | - |
| 11 | Handwheel Nut | Mild Steel | BS 916 |



Dimensional Data

| Nominal Size (mm) | FF ± 1.5 | H | ϕW | T |
|-------------------|--------------|-----|----------|--------|
| 8 | 62 | 108 | 64 | 1/4" |
| 10 | 62 | 108 | 64 | 3/8" |
| 15 | 74 | 136 | 64 | 1/2" |
| 20 | 85 | 158 | 71 | 3/4" |
| 25 | 95 | 168 | 86 | 1" |
| 32 | 110 | 180 | 96 | 1.1/4" |
| 40 | 118 | 225 | 118 | 1.1/2" |
| 50 | 145 | 248 | 148 | 2" |
| 65 | 182 | 295 | 148 | 2.1/2" |
| 80 | 203 | 325 | 197 | 3" |
| 100 | 248 | 390 | 197 | 4" |



AV-2 Bronze Union Bonnet Globe Valve No. 9 (Flanged Ends)

Features

Screwed on Bonnet, Inside Screw, Rising Stem, S.S. 410 Working Part, Renewable S.S. Trim with Back Seat Arrangement, Handwheel Operated.
Flanged ends as per BS-10 Table-F

Test Pressure

Body : 600 Psig (Hyd.)
Seat & Back Seat : 300 Psig (Hyd.)
Steam Working Pressure : 150 Psig
Testing Standard : BS EN 12266 Part-1

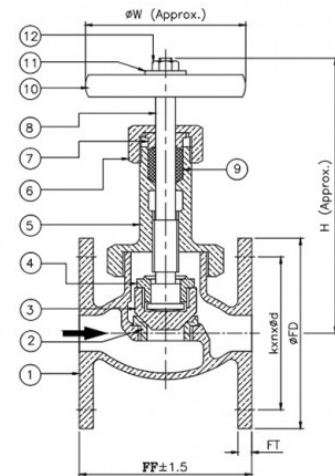
Suitability

Water, Steam, Gas, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|---------------|--------------------|---------------------|
| 1 | Body | Bronze | BS 1400 LG2 |
| 2 | Seat Ring | Stainless Steel | ASTM A 276 Type 410 |
| 3 | Disc | Stainless Steel | ASTM A 276 Type 410 |
| 4 | Disc Nut | Bronze | BS 1400 LG2 |
| 5 | Bonnet | Bronze | BS 1400 LG2 |
| 6 | Gland Nut | Bronze | BS 1400 LG2 |
| 7 | Gland | Bronze | BS 1400 LG2 |
| 8 | Stem | Stainless Steel | ASTM A 276 Type 410 |
| 9 | Packing | Graphited Asbestos | - |
| 10 | Handwheel | Cast Iron | BS 1452 Gr. 220 |
| 11 | Washer | Mild Steel | BS 916 |
| 12 | Handwheel Nut | Mild Steel | BS 916 |



Dimensional Data

| Nominal Size (mm) | FF | H | ϕHW | ϕFD | FT |
|-------------------|-----|-----|-----------|-----------|------|
| 15 | 83 | 136 | 64 | 95.2 | 7.9 |
| 20 | 93 | 156 | 71 | 101.8 | 7.9 |
| 25 | 115 | 168 | 86 | 120.7 | 9.5 |
| 32 | 118 | 180 | 96 | 133.4 | 9.5 |
| 40 | 137 | 225 | 118 | 139.7 | 11.1 |
| 50 | 185 | 248 | 148 | 165.1 | 11.1 |
| 65 | 208 | 285 | 148 | 184.2 | 12.7 |
| 80 | 224 | 325 | 197 | 203.2 | 14.3 |
| 100 | 243 | 390 | 197 | 228.5 | 17.5 |

k - P.C.D; n - Number of Holes; ϕd - Diameter of Holes



AV-6 Bronze Globe Valve W.V. No. 5 (Screwed Ends)

Features

Screwed in bonnet, Inside screw, Rising stem, Integral seat, Handwheel Operated.
Screwed female BSP parallel threads to BS-21
Product Standard : BS 5154

Test Pressure

Body : 500 Psig (Hyd.)
Seat & Back Seat : 250 Psig (Hyd.)
Testing Standard : BS EN 12266 Part-1

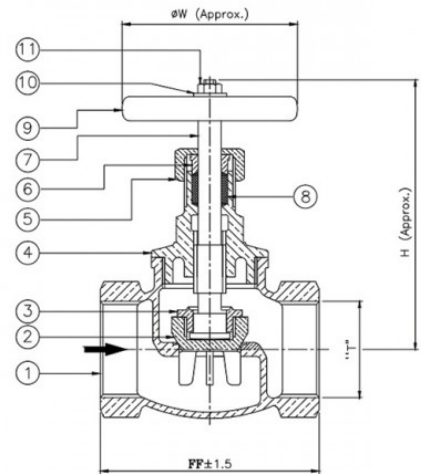
Suitability

Water, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|---------------|--------------------|-----------------|
| 1 | Body | Bronze | BS 1400 LG2 / - |
| 2 | Disc | Bronze | BS 1400 LG2 / - |
| 3 | Disc Nut | Bronze | BS 1400 LG2 / - |
| 4 | Bonnet | Bronze | BS 1400 LG2 / - |
| 5 | Gland Nut | Bronze | BS 1400 LG2 / - |
| 6 | Gland | Bronze / Brass | BS 1400 LG2 / - |
| 7 | Stem | Brass | - |
| 8 | Packing | Graphited Asbestos | - |
| 9 | Handwheel | Cast Iron | BS 1452 Gr. 220 |
| 10 | Washer | M.S. | - |
| 11 | Handwheel Nut | M.S. | - |



Dimensional Data

| Nominal Size (mm) | FF | H | ϕHW | T |
|-------------------|-----|-----|-----------|--------|
| 8 | 50 | 56 | 50 | 1/4" |
| 10 | 52 | 56 | 50 | 3/8" |
| 15 | 56 | 100 | 56 | 1/2" |
| 20 | 68 | 115 | 71 | 3/4" |
| 25 | 78 | 125 | 71 | 1" |
| 32 | 87 | 137 | 89 | 1.1/4" |
| 40 | 102 | 140 | 95 | 1.1/2" |
| 50 | 119 | 162 | 119 | 2" |
| 65 | 136 | 185 | 127 | 2.1/2" |
| 80 | 170 | 195 | 175 | 3" |
| 100 | 200 | 240 | 195 | 4" |

AV-7 Bronze Horizontal Lift Check Valve (Screwed Ends)

Features

Screwed in cover, With Teflon or Rubber disc.
Screwed female BSP parallel threads to BS-21

Test Pressure

Body : 300 Psig (Hyd.)
Seat & Back Seat : 150 Psig (Hyd.)
Seat : 150Psig (Air)
Testing Standard : BS EN 12266 Part-1

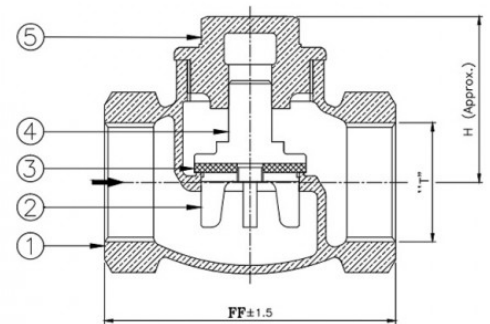
Suitability

Water, Oil, Air



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------|------------------------|---------------|
| 1 | Body | Bronze | BS 1400 LG2 |
| 2 | Disc Guide | Bronze | BS 1400 LG2 |
| 3 | Disc | PTFE (Teflon) / Rubber | - |
| 4 | Disc Holder | Bronze | BS 1400 LG2 |
| 5 | Cover | Bronze | BS 1400 LG2 |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | T |
|-------------------|---------|-----|--------|
| 8 | 39 | 37 | 1/4" |
| 10 | 39 | 38 | 3/8" |
| 15 | 49 | 39 | 1/2" |
| 20 | 55 | 40 | 3/4" |
| 25 | 67 | 42 | 1" |
| 32 | 76 | 50 | 1.1/4" |
| 40 | 82 | 55 | 1.1/2" |
| 50 | 99 | 66 | 2" |
| 65 | 128 | 77 | 2.1/2" |
| 80 | 149 | 90 | 3" |
| 100 | 191 | 112 | 4" |



AV-8 Bronze Globe Valve, Teflon Disc (Screwed Ends)

Features

Screwed in bonnet, Inside screw, Teflon disc, Rising stem Handwheel Operated.
Screwed female threads as per BS-21

Test Pressure

Body : 300 Psig (Hyd.)
Seat : 150 Psig (Hyd.), 100 Psig (Air)

Suitability

Water, Oil

Photo Not Available

Material Combination

| P.No. | Name of Part | Material | Specification | Nos. |
|-------|--------------|--------------------|-----------------|------|
| 1 | Body | Bronze | BS 1400 LG2 | 1 |
| 2 | Disc | Bronze | BS 1400 LG2 | 1 |
| 3 | Disc Nut | Bronze | BS 1400 LG2 | 1 |
| 4 | Bonnet | Bronze | BS 1400 LG2 | 1 |
| 5 | Gland Nut | Bronze | BS 1400 LG2 | 1 |
| 6 | Gland | Bronze / Brass | BS 1400 LG2 | 1 |
| 7 | Stem | Bronze | BS 1400 LG2 | 1 |
| 8 | Packing | Graphited Asbestos | - | - |
| 9 | Handwheel | Cast Iron | BS 1452 Gr. 220 | 1 |
| 10 | Soft Seat | PTFE | - | 1 |
| 11 | Nut Screw | Mild Steel | BS 916 | 1 |

Dimensional Data

| Nominal Size | FF | H | ØHW | T | Weight (Kgs.) |
|--------------|-----|-----|-----|--------|---------------|
| 15 | 50 | 77 | 50 | 1/2" | 0.350 |
| 20 | 55 | 92 | 62 | 3/4" | 0.520 |
| 25 | 68 | 98 | 66 | 1" | 0.860 |
| 32 | 76 | 110 | 75 | 1.1/4" | 1.120 |
| 40 | 82 | 120 | 87 | 1.1/2" | 1.550 |
| 50 | 100 | 130 | 95 | 2" | 2.600 |



AV-12 Bronze Thermodynamic Steam Trap (Screwed Ends)

Features

With S.S. Trim and Strainer, Fine Finish Casting, Screen is guided in the body, Corrosion resistant screen is used.

Female BSP parallel threads to BS 21

Test Pressure

Body : 500 Psig (Hyd.)

Max. Steam working pressure - 250 Psig at 225°C

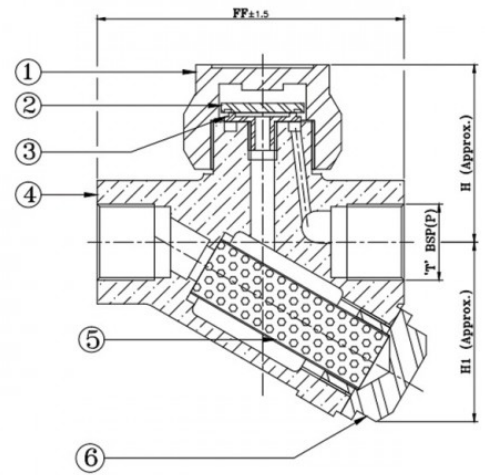
Suitability

Steam



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------|-----------------|----------------------|
| 1 | Top Nut | Stainless Steel | ASTM A276 Type 410 |
| 2 | Disc | Stainless Steel | ASTM A276 Type 410 |
| 3 | Seat | Stainless Steel | ASTM A276 Type 410 |
| 4 | Body | Bronze | IBR 282(a)(IV) Gr. B |
| 5 | Screen | Stainless Steel | ASTM A276 Type 304 |
| 6 | Cover | Stainless Steel | ASTM A276 Type 410 |



Dimensional Data

| Nominal Size (mm) | FF | T | H | H1 |
|-------------------|-----|--------|----|-----|
| 15 | 83 | 1/2" | 60 | 56 |
| 20 | 95 | 3/4" | 60 | 62 |
| 25 | 117 | 1" | 70 | 76 |
| 32 | 125 | 1.1/4" | 82 | 92 |
| 40 | 125 | 1.1/2" | 82 | 92 |
| 50 | 142 | 2" | 98 | 114 |



AV-13 Investment Casting Thermodynamic Steam Trap (Screwed Ends)

Features

S.S. Trim and Strainer, Fine Finish S.S. Investment Casting, Screen is guided in the body,
Corrosion resistant screen is used.
Screwed Ends BSP parallel threads to BS 21

Test Pressure

Body : 600 Psig (Hyd.)
Max. Steam working pressure - 300 Psig

Suitability

Steam

Photo Not Available

Material Combination

| P.No. | Name of Part | Material | Specification | Nos. |
|-------|--------------|-----------------|--------------------|------|
| 1 | Cover | Stainless Steel | ASTM A276 TYPE 410 | 1 |
| 2 | Disc | Stainless Steel | ASTM A276 TYPE 410 | 1 |
| 3 | Body | Stainless Steel | ASTM A276 TYPE 410 | 1 |
| 4 | Screen | Stainless Steel | ASTM A276 TYPE 304 | 1 |
| 5 | Plug | Stainless Steel | ASTM A276 TYPE 410 | 1 |

Dimensional Data

| 50 | FF | H | H1 | T | Weight (Kgs.) |
|----|----|----|----|------|---------------|
| 15 | 80 | 43 | 59 | 1/2" | 1.110 |
| 20 | 80 | 43 | 59 | 3/4" | 1.110 |
| 25 | 90 | 48 | 67 | 1" | 1.180 |



AV-14 Bronze Y-Type Strainer (Screwed Ends)

Features

S.S. Screen with 1mm Dia. Perforations, Fine Finish Casting to reduce pressure drop, Screen is guided in the body, Corrosion resistant screen is used, Large ratio clearance between the strainer and body is designed to achieve minimum pressure drop.

Screwed female BSP parallel threads to BS 21

Test Pressure

Body : 300 Psi g (Hyd.)

Max. Working Pressure : 150 Psi g (Hyd.)

Testing Standard : BS EN 12266 Part-1

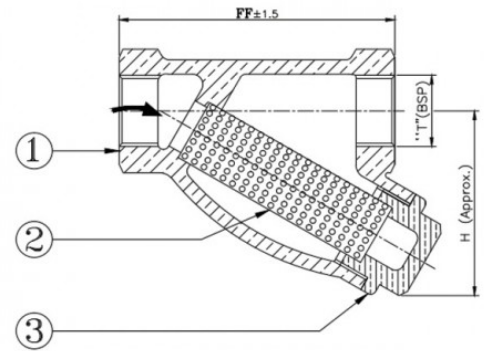
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------|-----------------|--------------------|
| 1 | Body | Bronze | BS 1400 LG2 |
| 2 | Screen | Stainless Steel | ASTM A276 TYPE 304 |
| 3 | Cover | Bronze | BS 1400 LG2 |



Dimensional Data

| Nominal Size (mm) | H | FF | T |
|-------------------|-----|-----|--------|
| 15 | 56 | 72 | 1/2" |
| 20 | 72 | 98 | 3/4" |
| 25 | 80 | 116 | 1" |
| 32 | 96 | 146 | 1.1/4" |
| 40 | 105 | 166 | 1.1/2" |
| 50 | 140 | 205 | 2" |
| 65 | 182 | 241 | 2.1/2" |



AV-16A Bronze Gland Packed Water Level Gauge Cock

Features

Gland Packed
Screwed Male Inlet BSP Parallel Threads (BS-21)

Test Pressure

Body : 300 Psi g (Hyd.)
Max. working pressure : 150 Psig at 225°C (Steam)

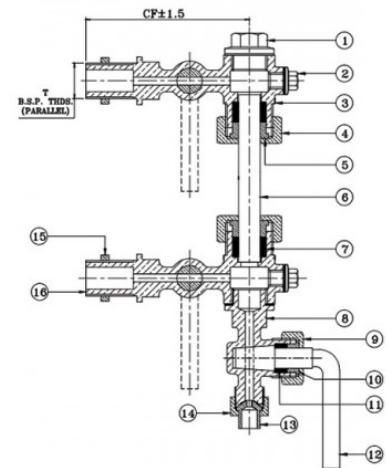
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|---------------|--------------------|-------------------------|
| 1 | Top Plug | Bronze | BSEN 1982 Gr. CC 491K |
| 2 | Side Plug | Bronze | BSEN 1982 Gr. CC 491K |
| 3 | Upper Arm | Bronze | BSEN 1982 Gr. CC 491K |
| 4 | Gland Nut | Bronze | BSEN 1982 Gr. CC 491K |
| 5 | Gland | Bronze / Brass Rod | BSEN 1982 Gr. CC 491K/- |
| 6 | Glass Tube | Glass | (At Customer Scope) |
| 7 | Gland Packing | Graphited Asbestos | - |
| 8 | Drain Value | Bronze | BSEN 1982 Gr. CC 491K |
| 9 | Gland Nut | Bronze | BSEN 1982 Gr. CC 491K |
| 10 | Gland | Bronze / Brass Rod | BSEN 1982 Gr. CC 491K/- |
| 11 | Gland Packing | Graphited Asbestos | - |
| 12 | Plug | Bronze | BSEN 1982 Gr. CC 491K |
| 13 | Nipple | Bronze | BSEN 1982 Gr. CC 491K |
| 14 | Nut | Bronze | BSEN 1982 Gr. CC 491K |
| 15 | Lock Nut | Bronze | BSEN 1982 Gr. CC 491K |
| 16 | Lower Arm | Bronze | BSEN 1982 Gr. CC 491K |



Dimensional Data

| Nominal Size (mm) | T | CF ±1.5 |
|-------------------|------|---------|
| 10 | 3/8" | 96 |
| 15 | 1/2" | 96 |
| 18 | 5/8" | 110 |
| 20 | 3/4" | 110 |



AV-17 Bronze Gland Packed Water Level Gauge (Flanged Ends)

Features

Flanged ends as per BS 10 Table F

Test Pressure

Body : 300 Psig (Hyd.)

Max. BOP : 150 Psig at 428°F (220°C) Steam

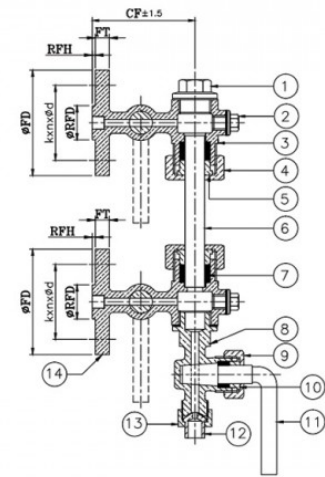
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|------------------|--------------------|---------------|
| 1 | Top Plug | Bronze | BS 1400 LG2 |
| 2 | Side Plug | Bronze | BS 1400 LG2 |
| 3 | Upper arm | Bronze | BS 1400 LG2 |
| 4 | Gland Nut | Bronze | BS 1400 LG2 |
| 5 | Gland | Bronze/Brass Rod | BS 1400 LG2 |
| 6 | Glass Tube | Glass | - |
| 7 | Gland Packing | Graphited Asbestos | - |
| 8 | Drain Value Body | Bronze | BS 1400 LG2 |
| 9 | Gland Nut | Bronze | BS 1400 LG2 |
| 10 | Gland | Bronze | BS 1400 LG2 |
| 11 | Plug | Bronze | BS 1400 LG2 |
| 12 | Nipple | Bronze / Brass | BS 1400 LG2 |
| 13 | Nut | Bronze | BS 1400 LG2 |
| 14 | Lower Arm | Bronze | BS 1400 LG2 |



Dimensional Data

| Nominal Size (mm) | CF | ØFD | FT | ØRFD | RFH |
|-------------------|----|-------|-----|------|-----|
| 10 | 82 | 95.3 | 7.9 | 23 | 2 |
| 15 | 82 | 95.3 | 7.9 | 23 | 2 |
| 18 | 85 | 101.6 | 7.9 | 24 | 3 |
| 20 | 85 | 101.6 | 7.9 | 24 | 3 |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



AV-18 Bronze Asbestos Packed Water Level Gauge Cock

Features

Screwed Ends inlet Male BSP Parallel Threads as per BS 21

Test Pressure

Body : 300 Psig (Hyd.)

Max. BOP - 150 Psig at (220°C)

Suitability

Photo Not Available

Material Combination

| P.No. | Name of Part | Material | Specification | Nos. |
|-------|------------------|--------------------|----------------------|------|
| 1 | Top Plug | Bronze | IBR 282(a)(iv) Gr. B | 1 |
| 2 | Gasket | C.A.F. | IS 2712 | 1 |
| 3 | Nut | Bronze | IBR 282(a)(iv) Gr. B | 2 |
| 4 | Top Arm | Bronze | IBR 282(a)(iv) Gr. B | 1 |
| 5 | Gland Packing | Graphited Asbestos | - | - |
| 6 | Gland | Bronze | IBR 282(a)(iv) Gr. B | 2 |
| 7 | Gland Nut | Bronze | IBR 282(a)(iv) Gr. B | 2 |
| 8 | Glass Tube | Glass | - | 1 |
| 9 | Lower Tube | Bronze | IBR 282(a)(iv) Gr. B | 1 |
| 10 | Drain Valve Body | Bronze | IBR 282(a)(iv) Gr. B | 1 |
| 11 | Plug Nut | Bronze | IBR 282(a)(iv) Gr. B | 3 |
| 12 | Plug | Bronze | IBR 282(a)(iv) Gr. B | 3 |
| 13 | Bottom Nut | Bronze | IBR 282(a)(iv) Gr. B | 3 |
| 14 | Drain Nut | Bronze | IBR 282(a)(iv) Gr. B | 1 |
| 15 | Nozzle | Bronze | IBR 282(a)(iv) Gr. B | 1 |
| 16 | Locking Nut | Bronze | IBR 282(a)(iv) Gr. B | 2 |

Dimensional Data

| Nominal Size | CF | T | Weight (Kgs.) |
|--------------|-----|------|---------------|
| 10 | 88 | 3/8" | - |
| 15 | 88 | 1/2" | - |
| 18 | 125 | 5/8" | - |
| 20 | 125 | 3/4" | 4.190 |



AV-24 Gun Metal Feed Check Valve

Features

Screwed in cover, Integral seat, Vertical lift, Right angle pattern
Screwed male BSP parallel threads as per BS 21

Test Pressure

Body : 500 Psi g (Hyd.)
Seat : 250 Psi g (Hyd.)

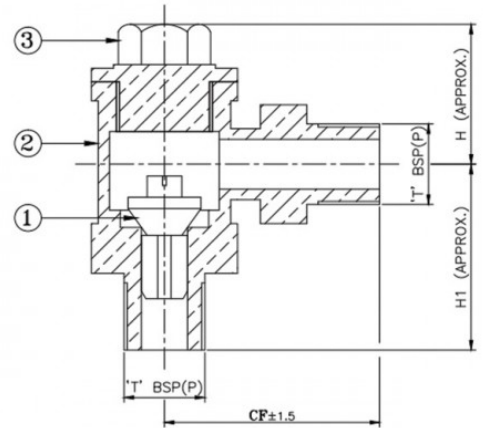
Suitability

Water, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------|----------|---------------|
| 1 | Disc | Bronze | BS 1400 LG2 |
| 2 | Body | Bronze | BS 1400 LG2 |
| 3 | Cover | Bronze | BS 1400 LG2 |



Dimensional Data

| Nominal Size (mm) | CF ±1.5 | T | H | H1 |
|-------------------|---------|------|----|----|
| 15 | 56 | 1/2" | 36 | 49 |
| 20 | 63 | 3/4" | 38 | 58 |
| 25 | 78 | 1" | 42 | 62 |



AV-26 Bronze Angle Check Valve (Screwed Ends)

Features

Screwed in cover, Integral seat, Angle pattern.
Screwed female BSP parallel threads as per BS 21

Test Pressure

Body : 300 Psig (Hyd.)
Seat : 150 Psig (Hyd.)

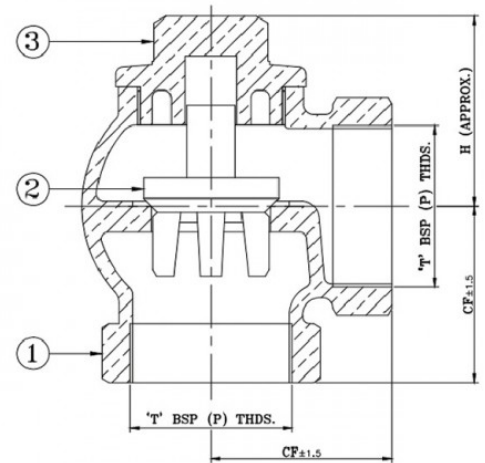
Suitability

Water, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------|----------|---------------|
| 1 | Body | Bronze | BS 1400 LG2 |
| 2 | Disc | Bronze | BS 1400 LG2 |
| 3 | Cover | Bronze | BS 1400 LG2 |



Dimensional Data

| Nominal Size (mm) | CF ±1.5 | T | H |
|-------------------|---------|--------|----|
| 15 | 27 | 1/2" | 32 |
| 20 | 32 | 3/4" | 36 |
| 25 | 38 | 1" | 42 |
| 32 | 46 | 1.1/4" | 53 |
| 40 | 51 | 1.1/2" | 55 |
| 50 | 58 | 2" | 68 |



AV-26A Bronze Angle Check Valve (Screwed Ends)

Features

Screwed in cover, Renewable seat, Angle pattern.
Screwed female BSP parallel threads as per BS 21

Test Pressure

Body : 300 Psig (Hyd.)
Seat : 150 Psig (Hyd.)

Suitability

Water, Steam, Oil

Photo Not Available

Material Combination

| P.No. | Name of Part | Material | Specification | Nos. |
|-------|----------------|-----------------|--------------------|------|
| 1 | Body | Bronze | BS 1400 LG2 | 1 |
| 2 | Body Seat Ring | Stainless Steel | ASTM A276 TYPE 410 | 1 |
| 3 | Disc | Stainless Steel | ASTM A276 TYPE 410 | 1 |
| 4 | Cover | Bronze | BS 1400 LG2 | 1 |

Dimensional Data

| Nominal Size | CF | T | H |
|--------------|----|--------|----|
| 15 | 27 | 1/2" | 32 |
| 20 | 32 | 3/4" | 36 |
| 25 | 38 | 1" | 42 |
| 32 | 48 | 1.1/4" | 53 |
| 40 | 51 | 1.1/2" | 55 |
| 50 | 58 | 2" | 68 |



AV-27 Bronze Horizontal Lift Check Valve (Screwed Ends)

Features

Screwed in cover with 13% Cr. Stainless Steel, Renewable Working Parts, Screwed Female Ends
Screwed female BSP parallel threads to BS 21

Test Pressure

Body : 500 Psig (Hyd.)

Seat : 250 Psig (Hyd.)

Testing Standard : BS EN 12266 Part-1

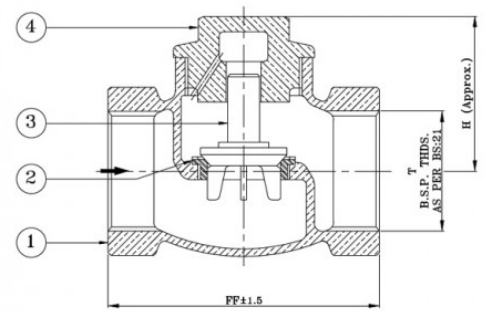
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------|-----------------|--------------------|
| 1 | Body | Bronze | BS 1400 LG2 |
| 2 | Body Ring | Stainless Steel | ASTM A276 Type 410 |
| 3 | Disc | Stainless Steel | ASTM A276 Type 410 |
| 4 | Cover | Bronze | BS 1400 LG2 |



Dimensional Data

| Nominal Size (mm) | FF ± 1.5 | T | H |
|-------------------|----------|--------|-----|
| 15 | 56 | 1/2" | 42 |
| 20 | 68 | 3/4" | 50 |
| 25 | 78 | 1" | 60 |
| 32 | 87 | 1.1/4" | 64 |
| 40 | 102 | 1.1/2" | 74 |
| 50 | 119 | 2" | 85 |
| 65 | 136 | 2.1/2" | 96 |
| 80 | 170 | 3" | 108 |
| 100 | 200 | 4" | 135 |



AV-28 Bronze Horizontal Lift Check Valve with Teflon Disc (Screwed Ends)

Features

Screwed in cover, Integral seat with Teflon disc.
Screwed female BSP parallel threads to BS 21
Product Standard : BS 5154

Test Pressure

Body : 500 Psig (Hyd.)
Seat : 250 Psi g (Hyd.), 100 Psig (Air)
Testing Standard : BS EN 12266 Part-1

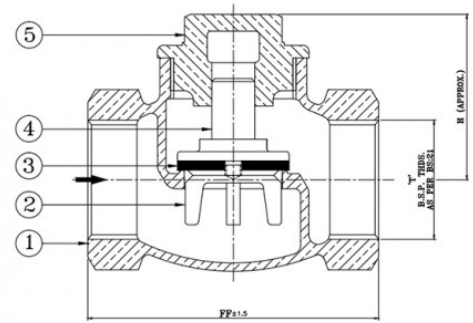
Suitability

Water, Gas, Oil, Air



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------|---------------|---------------|
| 1 | Body | Bronze | BS 1400 LG2 |
| 2 | Disc Guide | Bronze | BS 1400 LG2 |
| 3 | Disc | PTFE (Teflon) | BSEN 12086-1 |
| 4 | Disc Holder | Bronze | BS 1400 LG2 |
| 5 | Cover | Bronze | BS 1400 LG2 |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | T | H |
|-------------------|---------|--------|-----|
| 15 | 56 | 1/2" | 42 |
| 20 | 68 | 3/4" | 50 |
| 25 | 78 | 1" | 60 |
| 32 | 87 | 1.1/4" | 64 |
| 40 | 102 | 1.1/2" | 74 |
| 50 | 119 | 2" | 85 |
| 65 | 136 | 2.1/2" | 96 |
| 80 | 170 | 3" | 108 |
| 100 | 200 | 4" | 135 |



AV-29 Bronze Horizontal Lift Check Valve (Screwed Ends)

Features

Screwed in cover, Integral Seat, Screwed Female Ends.
Screwed female BSP parallel threads to BS 21
Product Standard : BS 5154

Test Pressure

Body : 500 Psig (Hyd.)
Seat : 250 Psig (Hyd.)
Testing Standard : BS EN 12266 Part-1

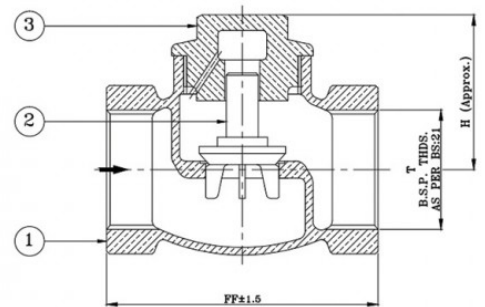
Suitability

Water, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------|----------|---------------|
| 1 | Body | Bronze | BS 1400 LG2 |
| 2 | Disc | Bronze | BS 1400 LG2 |
| 3 | Cover | Bronze | BS 1400 LG2 |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | T |
|-------------------|---------|-----|--------|
| 15 | 56 | 42 | 1/2" |
| 20 | 68 | 50 | 3/4" |
| 25 | 78 | 60 | 1" |
| 32 | 87 | 64 | 1.1/4" |
| 40 | 102 | 74 | 1.1/2" |
| 50 | 119 | 85 | 2" |
| 65 | 136 | 96 | 2.1/2" |
| 80 | 170 | 108 | 3" |
| 100 | 200 | 135 | 4" |



AV-30 Gun Metal Needle Valve

Features

Screwed in bonnet, Inside screw, Rising stem, Integral seat
Screwed female BSP parallel threads to BS-21

Test Pressure

Body : 300 Psig (Hyd.)
Seat : 150 Psig (Hyd.)

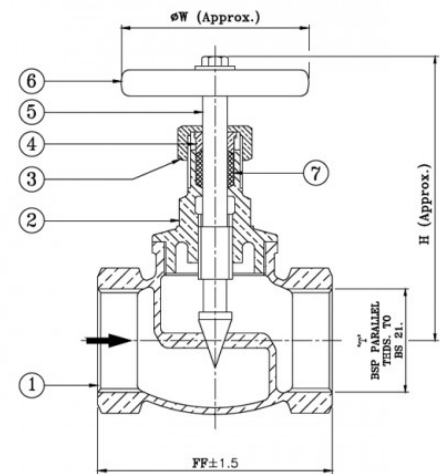
Suitability

Water, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------|--------------------|--|
| 1 | Body | Gun Metal | BSEN 1982 Gr. CC 491K / IS 318 Gr. LTB2 |
| 2 | Bonnet | Gun Metal | BSEN 1982 Gr. CC 491K / IS 318 Gr. LTB2 |
| 3 | Gland Nut | Gun Metal | BSEN 1982 Gr. CC 491K / IS 318 Gr. LTB2 |
| 4 | Gland | Gun Metal / Brass | BSEN 1982 Gr. CC 491K / IS 318 Gr. LTB2 |
| 5 | Stem | H.T. Brass | DIN 12164 Gr. CW 721R / IS 6912 Gr. FHTB |
| 6 | Handwheel | Cast Iron | BS 1561 Gr. GJL 200 / IS 210 Gr. FG 200 |
| 7 | Packing | Graphited Asbestos | - |



Dimensional Data

| Nominal Size (mm) | FF ± 1.5 | T | H | ϕW |
|-------------------|--------------|------|----|----------|
| 10 | 39 | 3/8" | 62 | 44 |
| 15 | 50 | 1/2" | 72 | 50 |
| 20 | 55 | 3/4" | 92 | 62 |
| 25 | 68 | 1" | 98 | 66 |



AV-31 Bronze Sight Flow Indicators

Features

Single window with toughened glass
Screwed female ends to BS 21

Test Pressure

Body : 300 Psig (Hyd.)
Testing Standard : BS EN 12266 Part-1

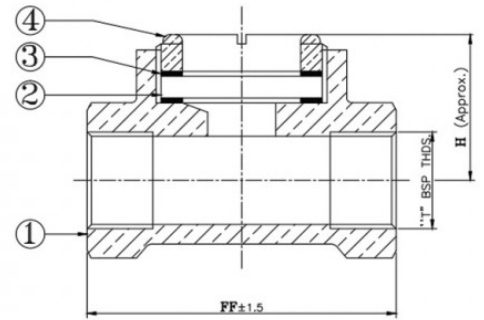
Suitability

Water, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------|----------|-------------------|
| 1 | Body | Bronze | BS 1400 LG2 |
| 2 | Window | Glass | Toughened |
| 3 | Gasket | C.A.F | BS 1832 / IS 2712 |
| 4 | Cover | Bronze | BS 1400 LG2 |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | T | H |
|-------------------|---------|--------|----|
| 15 | 88 | 1/2" | 28 |
| 20 | 92 | 3/4" | 32 |
| 25 | 106 | 1" | 33 |
| 32 | 110 | 1.1/4" | 42 |
| 40 | 111 | 1.1/2" | 42 |
| 50 | 115 | 2" | 52 |



AV-32 Bronze Sight Indicators

Features

Single window with toughened glass & moving impeller
Screwed female BSP parallel threads to BS 21

Test Pressure

300 Psig (Hyd.)

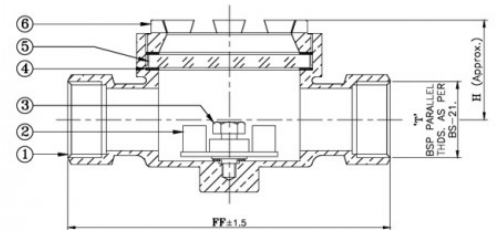
Suitability

Water, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------|----------|---------------|
| 1 | Body | Bronze | BS 1400 LG2 |
| 2 | Impeller | Plastic | - |
| 3 | Bolt | Brass | - |
| 4 | Gasket | C.A.F | - |
| 5 | Window | Glass | Toughened |
| 6 | Cover | Bronze | BS 1400 LG2 |



Dimensional Data

| Nominal Size (mm) | FF ± 1.5 | H | T |
|-------------------|----------|----|--------|
| 15 | 105 | 34 | 1/2" |
| 20 | 105 | 34 | 3/4" |
| 25 | 140 | 43 | 1" |
| 40 | 165 | 51 | 1.1/2" |



AV-34 Bronze Horizontal Lift Check Valve (Screwed Ends)

Features

Screwed on bonnet, Renewable seat.
Screwed female BSP parallel threads to BS 21

Test Pressure

Body : 600 Psig (Hyd.)
Seat : 300 Psig (Hyd.)
Testing Standard : BS EN 12266 Part-1

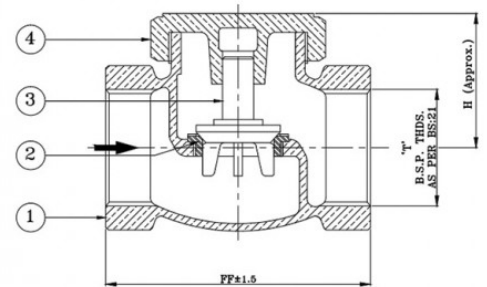
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------|-----------------|--------------------|
| 1 | Body | Bronze | BS 1400 LG2 |
| 2 | Seat Ring | Stainless Steel | ASTM A276 Type 410 |
| 3 | Disc | Stainless Steel | ASTM A276 Type 410 |
| 4 | Cover | Bronze | BS 1400 LG2 |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | T |
|-------------------|---------|-----|--------|
| 15 | 70 | 44 | 1/2" |
| 20 | 85 | 55 | 3/4" |
| 25 | 95 | 65 | 1" |
| 32 | 110 | 70 | 1.1/4" |
| 40 | 118 | 74 | 1.1/2" |
| 50 | 145 | 88 | 2" |
| 65 | 162 | 102 | 2.1/2" |
| 80 | 203 | 110 | 3" |
| 100 | 248 | 125 | 4" |



AV-35 Bronze Globe Steam Stop Valve

Features

Screwed in Bonnet, Inside Screw, Rising Stem, S.S. Trim with backseat arrangement, Handwheel operated.

Screwed female BSP parallel threads to BS 21

Test Pressure

Body : 500 Psig (Hyd.)

Seat : 250 Psig (Hyd.)

Testing Standard : BS EN 12266 Part-1

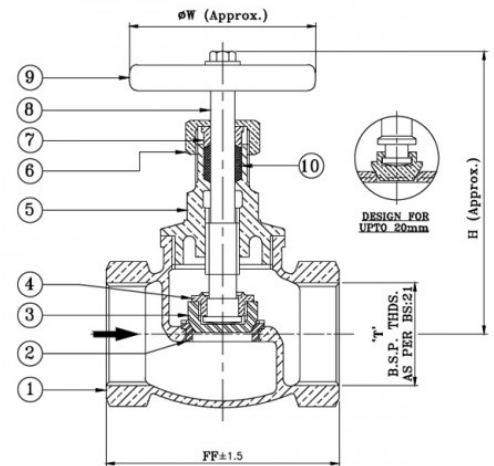
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------|--------------------|--------------------|
| 1 | Body | Bronze | BS 1400 LG2 |
| 2 | Seat Ring | Stainless Steel | ASTM A276 Type 410 |
| 3 | Disc | Stainless Steel | ASTM A276 Type 410 |
| 4 | Disc Nut | Bronze | BS 1400 LG2 |
| 5 | Bonnet | Bronze | BS 1400 LG2 |
| 6 | Gland Nut | Bronze | BS 1400 LG2 |
| 7 | Gland | Bronze | BS 1400 LG2 |
| 8 | Stem | Stainless Steel | ASTM A276 Type 410 |
| 9 | Handwheel | Cast Iron | BS 1452 Gr. 220 |
| 10 | Packing | Graphited Asbestos | - |



Dimensional Data

| Nominal Size (mm) | FF ± 1.5 | H | ØHW | T |
|-------------------|----------|-----|-----|--------|
| 8 | 50 | 86 | 50 | 1/4" |
| 10 | 52 | 86 | 50 | 3/8" |
| 15 | 56 | 100 | 56 | 1/2" |
| 20 | 68 | 115 | 71 | 3/4" |
| 25 | 78 | 125 | 71 | 1" |
| 32 | 87 | 137 | 79 | 1.1/4" |
| 40 | 102 | 155 | 95 | 1.1/2" |
| 50 | 119 | 162 | 119 | 2" |
| 65 | 136 | 185 | 127 | 2.1/2" |
| 80 | 164 | 195 | 175 | 3" |
| 100 | 200 | 240 | 195 | 4" |



AV-36 Bronze Pressure Relief Valve

Features

Straight Pattern, Open Discharge.

Screwed Male Inlet BSP parallel threads to BS 21

Test Pressure

Body: 300 Psig (Hyd.)

Max. set pressure : 150 Psig (Steam) at 225°C

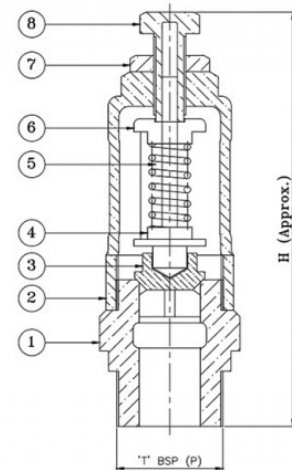
Suitability

Water, Steam



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|-----------------|--------------|---------------|
| 1 | Body | Bronze | BS 1400 LG2 |
| 2 | Spring Chamber | Bronze | BS 1400 LG2 |
| 3 | Disc | Bronze | BS 1400 LG2 |
| 4 | Stem | Bronze | BS 1400 LG2 |
| 5 | Spring | Carbon Steel | EN 44 |
| 6 | Spring Disc | Bronze | BS 1400 LG2 |
| 7 | Locking Nut | Bronze | BS 1400 LG2 |
| 8 | Adjusting Screw | Bronze | BS 1400 LG2 |



Dimensional Data

| Nominal Size (mm) | H | T |
|-------------------|-----|--------|
| 15 | 148 | 1/2" |
| 20 | 160 | 3/4" |
| 25 | 178 | 1" |
| 32 | 180 | 1.1/4" |
| 40 | 210 | 1.1/2" |
| 50 | 255 | 2" |



AV-37 Gun Metal Pressure Relief Valve

Features

Angle Pattern, Spring Loaded, Enclosed Discharge.
Screwed male inlet & screwed female outlet BSP parallel threads to BS 21

Test Pressure

Body : 300 Psig (Hyd.)
Max. set pressure : 150 Psig (Steam) at 225°C

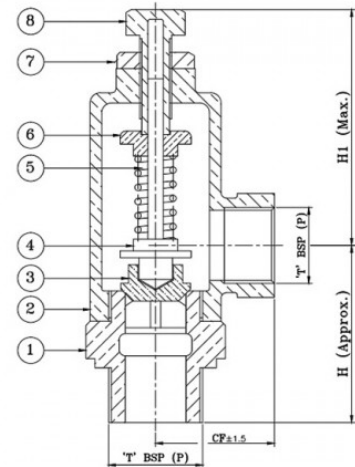
Suitability

Water, Steam



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|-----------------|----------------|---|
| 1 | Body | Bronze | BS 1400 LG2 |
| 2 | Spring Chamber | Bronze | BS 1400 LG2 |
| 3 | Disc | Bronze | BS 1400 LG2 |
| 4 | Stem | Brass / Bronze | DIN EN 12165 Gr. CW721R / IS 6912 Gr. FLB / BS 1400 LG2 |
| 5 | Spring | Carbon Steel | EN 44 |
| 6 | Spring Disc | Bronze | BS 1400 LG2 |
| 7 | Locking Nut | Bronze | BS 1400 LG2 |
| 8 | Adjusting Screw | Bronze | BS 1400 LG2 |



Dimensional Data

| Nominal Size (mm) | CF ±1.5 | H | H1 | T |
|-------------------|---------|-----|-----|--------|
| 15 | 38 | 60 | 98 | 1/2" |
| 20 | 39 | 63 | 112 | 3/4" |
| 25 | 48 | 66 | 122 | 1" |
| 32 | 50 | 71 | 124 | 1.1/4" |
| 40 | 59 | 80 | 140 | 1.1/2" |
| 50 | 59 | 100 | 165 | 2" |



AV-40 Bronze Globe Valve (Screwed Ends)

Features

Screwed in Bonnet, Inside Screw, Rising Stem, Integral Seat
Screwed Female BSP Parallel Threads to BS 21

Test Pressure

Body - 300 Psig (Hyd.)
Seat - 200 Psig (Hyd.)
Testing Standard : BS EN 12266 Part-1

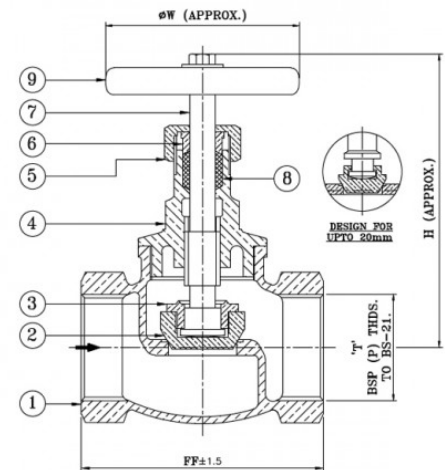
Suitability

Water, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------|--------------------|-----------------|
| 1 | Body | Bronze | BS 1400 LG2 |
| 2 | Disc | Bronze | BS 1400 LG2 |
| 3 | Disc Nut | Bronze | BS 1400 LG2 |
| 4 | Bonnet | Bronze | BS 1400 LG2 |
| 5 | Gland Nut | Bronze | BS 1400 LG2 |
| 6 | Gland | Bronze / Brass | BS 1400 LG2/- |
| 7 | Stem | Bronze | BS 1400 LG2 |
| 8 | Packing | Graphited Asbestos | - |
| 9 | Handwheel | Cast Iron | BS 1452 Gr. 220 |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | ØW | H | T |
|-------------------|---------|-----|-----|--------|
| 8 | 39 | 44 | 71 | 1/4" |
| 10 | 39 | 44 | 71 | 3/8" |
| 15 | 49 | 50 | 77 | 1/2" |
| 20 | 55 | 62 | 92 | 3/4" |
| 25 | 67 | 66 | 98 | 1" |
| 32 | 76 | 75 | 110 | 1.1/4" |
| 40 | 82 | 87 | 120 | 1.1/2" |
| 50 | 99 | 95 | 130 | 2" |
| 65 | 128 | 115 | 155 | 2.1/2" |
| 80 | 149 | 148 | 170 | 3" |
| 100 | 191 | 160 | 240 | 4" |



AV-41 Bronze Globe Valve (Flanged Ends)

Features

Screwed in Bonnet, Inside Screw, Rising Stem, Plug Type, Integral Seat, Handwheel Operated.
Disc Flanged Ends to BS 10 Table 'D'

Test Pressure

Body - 300 Psig (Hyd.)
Seat - 200 Psig (Hyd.)
Testing Standard : BS EN 12266 Part-1

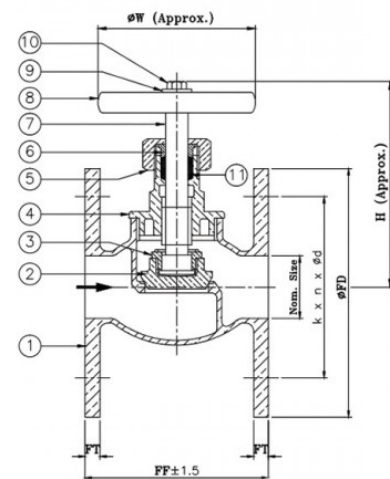
Suitability

Water, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------|--------------------|---------------------------------------|
| 1 | Body | Bronze | BS 1400 LG2 |
| 2 | Disc | Bronze | BS 1400 LG2 |
| 3 | Disc Nut | Bronze | BS 1400 LG2 |
| 4 | Bonnet | Bronze | BS 1400 LG2 |
| 5 | Gland Nut | Bronze / Brass | BS 1400 LG2 |
| 6 | Gland | Bronze | BS 1400 LG2 |
| 7 | Stem | H.T. Brass | BSEN 2874 Gr. CZ121 / IS 6912 Gr. FLB |
| 8 | Handwheel | Cast Iron | BS 1452 Gr. 220 |
| 9 | Washer | Carbon Steel | - |
| 10 | Screw / Bolt | Carbon Steel | - |
| 11 | Packing | Graphited Asbestos | - |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | ØW | ØFD | FT | k | n | Ød |
|-------------------|---------|-----|-----|-------|------|-------|---|------|
| 15 | 47 | 74 | 50 | 95.3 | 6.4 | 66.7 | 4 | 14.3 |
| 20 | 55 | 85 | 60 | 101.6 | 6.4 | 73 | 4 | 14.3 |
| 25 | 56 | 92 | 67 | 114.3 | 7.9 | 82.6 | 4 | 14.3 |
| 32 | 83 | 110 | 77 | 120.7 | 7.9 | 87.3 | 4 | 14.3 |
| 40 | 83 | 120 | 85 | 133.4 | 9.5 | 98.4 | 4 | 14.3 |
| 50 | 105 | 132 | 95 | 152.4 | 9.5 | 114.3 | 4 | 17.5 |
| 65 | 140 | 152 | 108 | 165.1 | 11.1 | 127 | 4 | 17.5 |
| 80 | 175 | 180 | 150 | 184.2 | 12.7 | 146.1 | 4 | 17.5 |
| 100 | 207 | 235 | 160 | 215.9 | 15.9 | 177.8 | 4 | 17.5 |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



AV-42 Bronze Globe Valve W.V. No. 10 (Flanged Ends)

Features

Screwed in bonnet, Inside screw, Rising stem, Plug type guided disc.
Flanged ends as per BS-10 Table-F

Test Pressure

Body : 500 Psig (Hyd.)
Seat at : 250 Psig (Hyd.)
Testing Standard : BS EN 12266 Part-1

Suitability

Water, Oil

Photo Not Available

Material Combination

| P.No. | Name of Part | Material | Specification | Nos. |
|-------|-------------------------|--------------------|---|------|
| 1 | Body | Bronze | BS 1400 LG2 | 1 |
| 2 | Disc (Plug Type Guided) | Bronze | BS 1400 LG2 | 1 |
| 3 | Disc Nut | Bronze | BS 1400 LG2 | 1 |
| 4 | Bonnet | Bronze | BS 1400 LG2 | 1 |
| 5 | Gland Nut | Bronze | BS 1400 LG2 | 1 |
| 6 | Gland | Bronze | BS 1400 LG2 | 1 |
| 7 | Stem | H.T. Brass | BSEN 2874 Gr. CZ121 / IS 6912 Gr. FLB | 1 |
| 8 | Handwheel | Cast Iron | BS 1561 Gr. GJL 220 / IS 210 Gr. FG 220 | 1 |
| 9 | Washer | Carbon Steel | - | 1 |
| 10 | Screw / Bolt | Carbon Steel | - | 1 |
| 11 | Packing | Graphited Asbestos | - | 1 |

Dimensional Data

| Nominal Size | FF | H | W | FD | FT | k | n | d |
|--------------|-----|-----|-----|-------|------|-------|---|------|
| 15 | 56 | 85 | 56 | 95.3 | 7.9 | 66.6 | 4 | 14.3 |
| 20 | 64 | 106 | 71 | 101.6 | 7.9 | 73 | 4 | 14.3 |
| 25 | 76 | 125 | 80 | 120.6 | 9.5 | 87.3 | 4 | 14.3 |
| 32 | 84 | 127 | 80 | 133.3 | 9.5 | 98.4 | 4 | 14.3 |
| 40 | 98 | 148 | 96 | 139.7 | 11.1 | 104.7 | 4 | 14.3 |
| 50 | 111 | 162 | 119 | 165.1 | 11.1 | 127 | 4 | 17.5 |
| 65 | 148 | 185 | 119 | 184.1 | 12.7 | 146.1 | 4 | 17.5 |
| 80 | 162 | 195 | 119 | 203.3 | 14.3 | 165.1 | 4 | 17.5 |
| 100 | 197 | 240 | 195 | 228.6 | 17.5 | 190.5 | 4 | 17.5 |



AV-50 Gun Metal Auto Injector (Screwed Ends)

Features

With renewable sets of Nozzles, Bronze Parts
Screwed ends BSP male threads to BS 21

Test Pressure

Min. : 30 Psig (Hyd.)
Max : 150 Psig (Hyd.) (Steam)

Suitability

Photo Not Available

Material Combination

| P.No. | Name of Part | Material | Specification | Nos. |
|-------|----------------|----------|---------------|------|
| 1 | Tail Pipe | Bronze | BS 1400 LG2 | 3 |
| 2 | Tail Nut | Bronze | BS 1400 LG2 | 3 |
| 3 | Steam Jet | Bronze | BS 1400 LG2 | 1 |
| 4 | Body Seat Ring | Bronze | BS 1400 LG2 | 1 |
| 5 | Delivery Jet | Bronze | BS 1400 LG2 | 1 |
| 6 | Body | Bronze | BS 1400 LG2 | 1 |
| 7 | Cone | Bronze | BS 1400 LG2 | 1 |
| 8 | Screw | Brass | - | 2 |

Dimensional Data

| Nominal Size | FF | CF | T | Weight (Kgs.) |
|--------------|-----|-----|--------|---------------|
| 15 | 180 | 73 | 1/2" | - |
| 20 | 206 | 86 | 3/4" | 1.930 |
| 25 | 260 | 102 | 1" | 3.485 |
| 32 | 331 | 125 | 1.1/4" | 7.325 |
| 40 | 331 | 125 | 1.1/2" | 7.325 |

Note : Feed water temperature should not exceed 29°C



AV-51 Bronze Horizontal Lift Check Valve (Screwed Ends)

Features

Screwed in Cover, Integral Seat, Guided Disc, Screwed Female Ends.
Screwed Female BSP Threads to BS 21

Test Pressure

Body : 300 Psig (Hyd.)
Seat : 150 Psig (Hyd.)
Testing Standard : BS EN 12266 Part-1

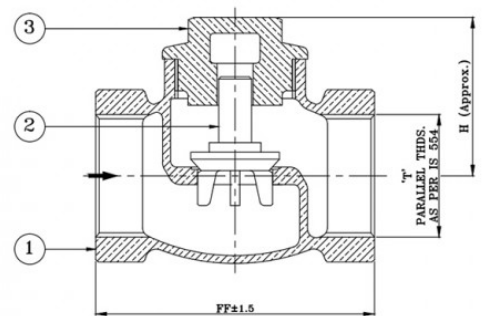
Suitability

Water, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------|----------|---------------|
| 1 | Body | Bronze | BS 1400 LG2 |
| 2 | Disc | Bronze | BS 1400 LG2 |
| 3 | Cover | Bronze | BS 1400 LG2 |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | T |
|-------------------|---------|-----|--------|
| 8 | 39 | 37 | 1/4" |
| 10 | 39 | 38 | 3/8" |
| 15 | 49 | 39 | 1/2" |
| 20 | 55 | 39 | 3/4" |
| 25 | 67 | 42 | 1" |
| 32 | 76 | 50 | 1.1/4" |
| 40 | 82 | 55 | 1.1/2" |
| 50 | 99 | 66 | 2" |
| 65 | 128 | 77 | 2.1/2" |
| 80 | 149 | 90 | 3" |
| 100 | 191 | 112 | 4" |



AV-52 Bronze Horizontal Lift Check Valve (Flanged Ends)

Features

Screwed in cover, Integral Seat, Permits flow in one direction and closes automatically, If the flow reverses, Disc is guided in the body bore as well as in cover for satisfactory performance.
Flanged ends as per BS 10 Table-F

Test Pressure

Body : 500 Psig (Hyd.)
Seat at : 250 Psig (Hyd.)
Testing Standard : BS EN 12266 Part-1

Photo Not Available

Suitability

Material Combination

| P.No. | Name of Part | Material | Specification | Nos. |
|-------|--------------|----------|---------------|------|
| 1 | Body | Bronze | BS 1400 LG2 | 1 |
| 2 | Disc | Bronze | BS 1400 LG2 | 1 |
| 3 | Cover | Bronze | BS 1400 LG2 | 1 |

Dimensional Data

| Nominal Size | FF | H | FD | FT | k | n | d | Weight (Kgs.) |
|--------------|-----|-----|-------|------|-------|---|------|---------------|
| 15 | 56 | 42 | 95.3 | 7.9 | 66.7 | 4 | 14.3 | 1.300 |
| 20 | 64 | 50 | 101.6 | 7.9 | 73 | 4 | 14.3 | 1.550 |
| 25 | 76 | 60 | 120.7 | 9.5 | 87.3 | 4 | 17.5 | - |
| 32 | 84 | 64 | 133.4 | 9.5 | 98.4 | 4 | 17.5 | 4.280 |
| 40 | 98 | 74 | 139.7 | 11.1 | 104.8 | 4 | 17.5 | - |
| 50 | 111 | 85 | 165.1 | 11.1 | 127 | 4 | 17.5 | - |
| 65 | 148 | 96 | 184.2 | 12.7 | 146.1 | 8 | 17.5 | - |
| 80 | 162 | 108 | 203.2 | 14.3 | 165.1 | 8 | 17.5 | - |
| 100 | 197 | 135 | 228.6 | 17.5 | 190.5 | 8 | 17.5 | - |



AV-53 Bronze Horizontal Lift Check Valve (Flanged Ends)

Features

Screwed on Cover, SS Trim, Renewable Seat.
Flanged Ends to BS 10 Table-F

Test Pressure

Body - 600 Psig (Hyd.)
Seat - 300 Psig (Hyd.)
Testing Standard : BS EN 12266 Part-1

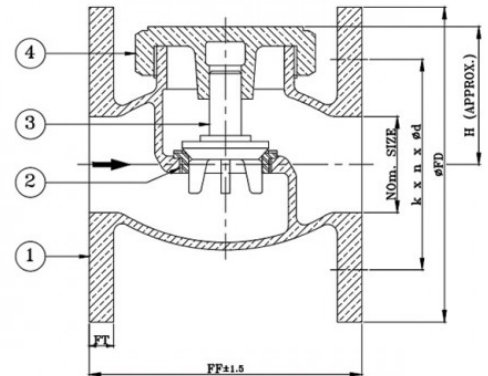
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------|-----------------|--------------------|
| 1 | Body | Bronze | BS 1400 LG2 |
| 2 | Seat Ring | Stainless Steel | ASTM A276 TYPE 410 |
| 3 | Disc | Stainless Steel | ASTM A276 TYPE 410 |
| 4 | Cover | Bronze | BS 1400 LG2 |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | ØFD | FT | k | n | Ød |
|-------------------|---------|-----|-------|------|-------|---|------|
| 15 | 83 | 44 | 95.3 | 7.9 | 66.7 | 4 | 14.3 |
| 20 | 93 | 55 | 101.6 | 7.9 | 73 | 4 | 14.3 |
| 25 | 115 | 65 | 120.7 | 9.5 | 87.3 | 4 | 17.5 |
| 32 | 118 | 70 | 133.4 | 9.5 | 98.4 | 4 | 17.5 |
| 40 | 137 | 72 | 139.7 | 11.1 | 104.8 | 4 | 17.5 |
| 50 | 185 | 85 | 165.1 | 11.1 | 127 | 4 | 17.5 |
| 65 | 206 | 102 | 184.2 | 12.7 | 146.1 | 8 | 17.5 |
| 80 | 224 | 110 | 203.2 | 14.3 | 165.1 | 8 | 17.5 |
| 100 | 243 | 125 | 228.6 | 17.5 | 190.5 | 8 | 17.5 |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



AV-55 Bronze Horizontal Lift Check Valve (Flanged Ends)

Features

Screwed in Cover, Integral Seat, Flanged Ends, Rubber Disc can also be provided on request.
Flanged Ends to BS 10 Table-D

Test Pressure

Body - 300 Psig (Hyd.)
Seat - 150 Psig (Hyd.)
Testing Standard : BS EN 12266 Part-1

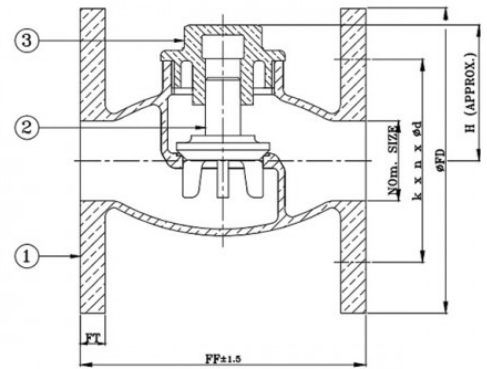
Suitability

Water, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------|----------|---------------|
| 1 | Body | Bronze | BS 1400 LG2 |
| 2 | Disc | Bronze | BS 1400 LG2 |
| 3 | Cover | Bronze | BS 1400 LG2 |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | ØFD | FT | k | n | Ød |
|-------------------|---------|-----|-------|------|-------|---|------|
| 15 | 54 | 36 | 95.3 | 6.4 | 66.7 | 4 | 14.3 |
| 20 | 65 | 39 | 101.6 | 6.4 | 73 | 4 | 14.3 |
| 25 | 83 | 42 | 114.3 | 7.9 | 82.6 | 4 | 14.3 |
| 32 | 83 | 50 | 120.7 | 7.9 | 87.3 | 4 | 14.3 |
| 40 | 83 | 55 | 133.4 | 9.5 | 98.4 | 4 | 14.3 |
| 50 | 105 | 66 | 152.4 | 9.5 | 114.3 | 4 | 17.5 |
| 65 | 140 | 77 | 165.1 | 11.1 | 127 | 4 | 17.5 |
| 80 | 175 | 90 | 184.2 | 12.7 | 146.1 | 4 | 17.5 |
| 100 | 207 | 112 | 215.9 | 15.9 | 177.8 | 4 | 17.5 |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



AV-57 Gun Metal Gland Cock Straight Pattern (Screwed Ends)

Features

Screwed Female BSP Parallel Threads BS 21

Test Pressure

Body - 300 Psi g (Hyd.)

Seat - 150 Psi g (Hyd.)

Testing Standard : BS EN 12266 Part-1

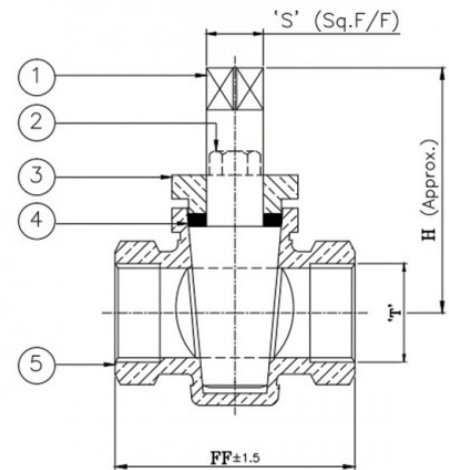
Suitability

Water, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|---------------|--------------|----------------------|
| 1 | Plug | Gun Metal | BSEN 1982 Gr. CC491K |
| 2 | Bolt | Carbon Steel | - |
| 3 | Gland | Gun Metal | BSEN 1982 Gr. CC491K |
| 4 | Gland Packing | Asbestos | - |
| 5 | Body | Gun Metal | BSEN 1982 Gr. CC491K |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | S | T |
|-------------------|---------|-----|----|--------|
| 15 | 56 | 60 | 11 | 1/2" |
| 20 | 68 | 68 | 12 | 3/4" |
| 25 | 78 | 75 | 16 | 1" |
| 32 | 96 | 107 | 18 | 1.1/4" |
| 40 | 107 | 107 | 20 | 1.1/2" |
| 50 | 122 | 110 | 20 | 2" |



AV-60 Bronze Plug Cock (Main Cock) (Flanged Ends)

Features

Fitted with Taper Plug in a Tapper Seated Body
Flanged Ends to BS 10 Table-D

Test Pressure

Body - 200 Psig (Hyd.)
Seat - 150 Psig (Hyd.)
Testing Standard : BS EN 12266 Part-1

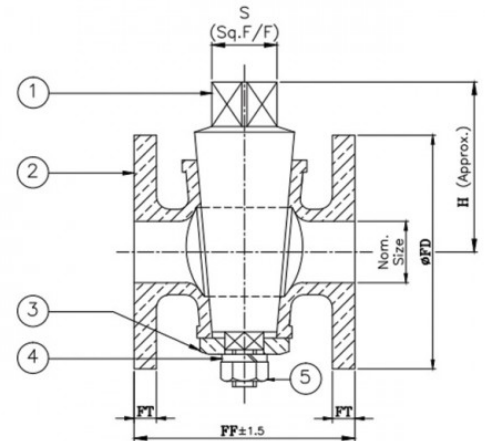
Suitability

Water, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|---------------|--------------|---------------|
| 1 | Plug | Bronze | BS 1400 LG2 |
| 2 | Body | Bronze | BS 1400 LG2 |
| 3 | Washer | Bronze | BS 1400 LG2 |
| 4 | Spring Washer | Spring Steel | - |
| 5 | Nut | Mild Steel | BS 916 |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | S | ØFD | FT |
|-------------------|---------|-----|----|-------|------|
| 15 | 58 | 75 | 13 | 95.3 | 6.4 |
| 20 | 60 | 75 | 17 | 101.6 | 6.4 |
| 25 | 77 | 84 | 18 | 114.3 | 7.9 |
| 32 | 84 | 92 | 23 | 120.7 | 7.9 |
| 40 | 97 | 95 | 25 | 133.4 | 9.5 |
| 50 | 108 | 105 | 27 | 152.4 | 9.5 |
| 65 | 163 | 155 | 32 | 165.1 | 11.1 |
| 80 | 189 | 184 | 33 | 184.2 | 12.7 |
| 100 | 259 | 165 | 48 | 215.9 | 15.9 |



AV-63 Bronze Gland Cock (Flanged Ends)

Features

Bronze gland cock with a Rotary Taper Plug un teper seated body, Flanged Ends.
Flanged Ends to BS 10 Table-D

Test Pressure

Body - 300 Psig (Hyd.)
Seat - 150 Psig (Hyd.)
Testing Standard : BS EN 12266 Part-1

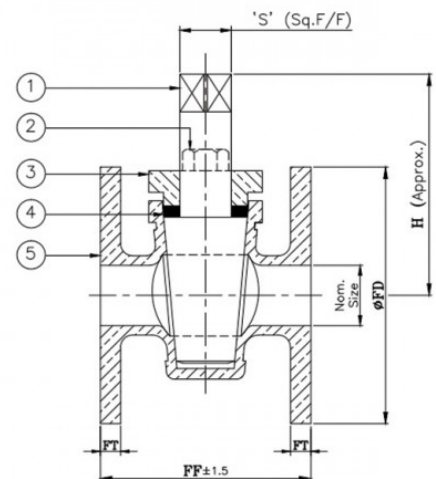
Suitability

Water, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|---------------|------------|---------------|
| 1 | Plug | Bronze | BS 1400 LG2 |
| 2 | Bolt | Mild Steel | BS 916 |
| 3 | Gland | Bronze | BS 1400 LG2 |
| 4 | Gland Packing | Asbestos | - |
| 5 | Body | Bronze | BS 1400 LG2 |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | S | ØFD | FT |
|-------------------|---------|-----|------|-------|------|
| 15 | 54 | 64 | 11 | 95.3 | 6.4 |
| 20 | 60 | 67 | 13.5 | 101.6 | 6.4 |
| 25 | 78 | 74 | 17 | 114.3 | 7.9 |
| 32 | 83 | 76 | 17 | 120.7 | 7.9 |
| 40 | 98 | 110 | 20 | 133.4 | 9.5 |
| 50 | 110 | 110 | 24 | 152.4 | 9.5 |
| 65 | 144 | 150 | 32 | 165.1 | 11.1 |
| 80 | 168 | 152 | 32 | 184.2 | 12.7 |
| 100 | 251 | 155 | 36 | 215.9 | 15.9 |



AV-64 Gun Metal Plug Cock (Main Cock)

Features

Straight Pattern, Screwed Ends.

Test Pressure

Body - 200 Psig (Hyd.)

Seat - 100 Psig (Hyd.)

Testing Standard : BS EN 12266 Part-1

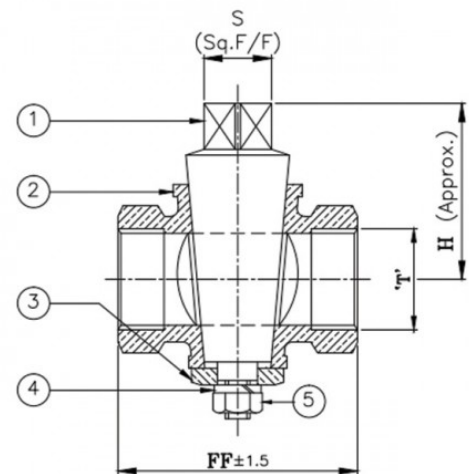
Suitability

Water, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|---------------|------------|---------------|
| 1 | Plug | Bronze | BS 1400 LG2 |
| 2 | Body | Bronze | BS 1400 LG2 |
| 3 | Washer | Bronze | BS 1400 LG2 |
| 4 | Spring Washer | Mild Steel | BS 916 |
| 5 | Nut | Mild Steel | BS 916 |



Dimensional Data

| Nominal Size (mm) | FF ± 1.5 | H | S | T |
|-------------------|----------|-----|----|--------|
| 10 | 56 | 46 | 13 | 3/8" |
| 15 | 56 | 46 | 13 | 1/2" |
| 20 | 62 | 48 | 15 | 3/4" |
| 25 | 73 | 56 | 16 | 1" |
| 32 | 95 | 70 | 22 | 1.1/4" |
| 40 | 106 | 80 | 24 | 1.1/2" |
| 50 | 134 | 98 | 26 | 2" |
| 65 | 160 | 105 | 32 | 2.1/2" |
| 80 | 185 | 110 | 33 | 3" |



AV-69 Bronze Globe Valve with Teflon Disc

Features

Screwed in Bonnet, Inside Screw, Rising Stem, Integral Seat with Teflon Disc, Screwed Ends, Handwheel Operated.
BSP Parallel Threads as per BS 21

Test Pressure

Body - 500 Psig (Hyd.)
Seat - 250 Psig (Hyd.), 100 Psig (Air)

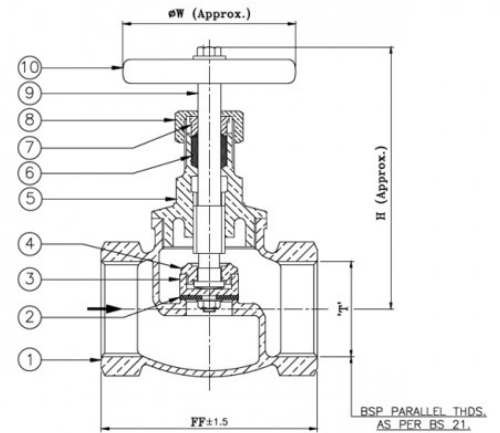
Suitability

Water, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------|--------------------|--|
| 1 | Body | Bronze | BS 1400 LG2 |
| 2 | Disc | PTFE (Teflon) | - |
| 3 | Disc Holder | Bronze | BS 1400 LG2 |
| 4 | Disc Nut | Bronze | BS 1400 LG2 |
| 5 | Bonnet | Bronze | BS 1400 LG2 |
| 6 | Packing | Graphited Asbestos | - |
| 7 | Gland | Bronze / Brass | BSEN 1982 Gr. CC491K / IS 318 Gr. LTB2 / - |
| 8 | Gland Nut | Bronze | BS 1400 LG2 |
| 9 | Stem | H.T. Brass | DIN EN 12164 Gr. CW721R / IS 6912 Gr. FLB |
| 10 | Handwheel | Cast Iron | BS 1452 Gr. 220 |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | ØW | T |
|-------------------|---------|-----|-----|--------|
| 8 | 50 | 86 | 50 | 1/4" |
| 10 | 52 | 86 | 50 | 3/8" |
| 15 | 61 | 99 | 56 | 1/2" |
| 20 | 72 | 115 | 71 | 3/4" |
| 25 | 84 | 125 | 71 | 1" |
| 32 | 93 | 137 | 89 | 1.1/4" |
| 40 | 108 | 155 | 95 | 1.1/2" |
| 50 | 128 | 162 | 119 | 2" |



AV-70 Bronze Angle Wheel Valve (Screwed Ends)

Features

Right angle pattern, Screwed in bonnet, Inside screw, Rising stem, Integral Seat, Handwheel Operated.

Screwed ends BSP Parallel Threads as per BS 21

Test Pressure

Body : 300 Psig (Hyd.)

Seat : 200 Psig (Hyd.)

Testing Standard : BS EN 12266 Part-1

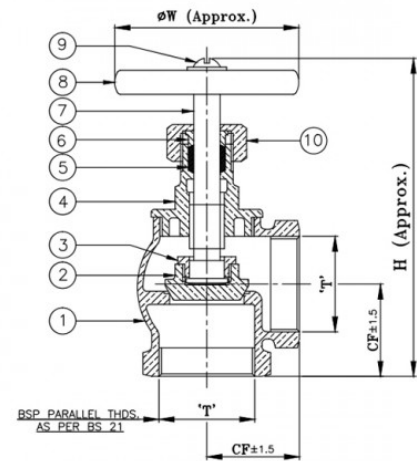
Suitability

Water, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|---------------|----------------|-----------------|
| 1 | Body | Bronze | BS 1400 LG2 |
| 2 | Disc | Bronze | BS 1400 LG2 |
| 3 | Disc Nut | Bronze | BS 1400 LG2 |
| 4 | Bonnet | Bronze | BS 1400 LG2 |
| 5 | Gland Packing | Asbestos | - |
| 6 | Gland | Bronze / Brass | BS 1400 LG2 |
| 7 | Stem | Brass | - |
| 8 | Handwheel | Cast Iron | BS 1452 Gr. 220 |
| 9 | Gland Nut | Bronze | BS 1400 LG2 |



Dimensional Data

| Nominal Size (mm) | CF ± 1.5 | T |
|-------------------|--------------|--------|
| 15 | 27 | 1/2" |
| 20 | 32 | 3/4" |
| 25 | 38 | 1" |
| 32 | 46 | 1.1/4" |
| 40 | 51 | 1.1/2" |
| 50 | 58 | 2" |



AV-70A Bronze Angle Globe Valve (Flanged Ends)

Features

Right angle pattern, Screwed in bonnet, Inside screw, Rising stem, Integral Swat, Handwheel Operated.
Flanged ends to BS 10 Table-D

Test Pressure

Body : 300 Psig (Hyd.)
Seat : 200 Psig (Hyd.)
Testing Standard : BS EN 12266 Part-1

Suitability

Water, Oil

Photo Not Available

Material Combination

| P.No. | Name of Part | Material | Specification | Nos. |
|-------|---------------|------------|-----------------|------|
| 1 | Body | Bronze | BS 1400 LG2 | 1 |
| 2 | Disc | Bronze | BS 1400 LG2 | 1 |
| 3 | Disc Nut | Bronze | BS 1400 LG2 | 1 |
| 4 | Bonnet | Bronze | BS 1400 LG2 | 1 |
| 5 | Gland Packing | Asbestos | - | |
| 6 | Gland | Bronze | BS 1400 LG2 | 1 |
| 7 | Stem | Bronze | BS 1400 LG2 | 1 |
| 8 | Handwheel | Cast Iron | BS 1452 Gr. 220 | 1 |
| 9 | Screw | Mild Steel | BS 916 | 1 |
| 10 | Gland Nut | Bronze | BS 1400 LG2 | 1 |

Dimensional Data

| Nominal Size | CF | H | W | FD | FT |
|--------------|-----|-----|-----|-------|------|
| 40 | 85 | 120 | 85 | 133.4 | 9.5 |
| 50 | 97 | 130 | 98 | 152.4 | 9.5 |
| 65 | 102 | 152 | 109 | 165.1 | 11.1 |
| 80 | 111 | 180 | 150 | 184.2 | 12.7 |



AV-73 Bronze Gate Valve (Flanged Ends)

Features

Screwed in bonnet, Inside screw, Non-Rising stem
Flanged ends to BS 0 Table-D

Test Pressure

Body : 300 Psig (Hyd.)
Seat : 200 Psig (Hyd.)
Testing Standard : BS EN 12266 Part-1

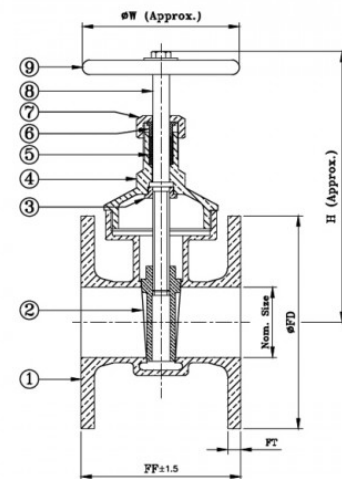
Suitability

Water, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------|---------------------------|-----------------------|
| 1 | Body | Bronze | BS 1400 LG2 |
| 2 | Wedge | Bronze | BS 1400 LG2 |
| 3 | Stem Nut | Bronze / Brass | BS 1400 LG2 |
| 4 | Bonnet | Bronze | BS 1400 LG2 |
| 5 | Packing | Graphited Asbestos / PTFE | - |
| 6 | Gland | Bronze | BS 1400 LG2 |
| 7 | Gland Nut | Bronze | BS 1400 LG2 |
| 8 | Stem | Brass | IS 6912 Gr. FLB |
| 9 | Handwheel | Cast Iron | BSEN 1561 Gr. GJL 220 |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | ØW | ØFD | FT |
|-------------------|---------|-----|-----|-------|------|
| 15 | 65 | 92 | 51 | 95.3 | 6.4 |
| 20 | 77 | 112 | 59 | 101.6 | 6.4 |
| 25 | 86 | 125 | 64 | 114.3 | 7.9 |
| 32 | 90 | 132 | 72 | 120.7 | 7.9 |
| 40 | 107 | 150 | 85 | 133.4 | 9.5 |
| 50 | 115 | 180 | 97 | 152.4 | 9.5 |
| 65 | 136 | 215 | 115 | 165.1 | 11.1 |
| 80 | 150 | 260 | 119 | 184.2 | 12.7 |
| 100 | 179 | 310 | 184 | 215.9 | 15.9 |
| 125 | 215 | 415 | 216 | 254 | 17.5 |
| 150 | 257 | 489 | 254 | 279.4 | 17.5 |



AV-74 Gun Metal Gate Valve (Screwed Ends), PN 16

Features

Screwed in bonnet, Inside screw, Rising stem
Screwed female BSP parallel threads as per BS 21

Test Pressure

Body : 348 Psig (Hyd.)
Seat & Back Seat : 255 Psig (Hyd.)
Testing Standard : BS EN 12266 Part-1

Suitability

Water, Oil

Photo Not Available

Material Combination

| P.No. | Name of Part | Material | Specification | Nos. |
|-------|--------------|-------------------|--|------|
| 1 | Body | Bronze | BS 1400 LG2 | 1 |
| 2 | Wedge | Bronze | BS 1400 LG2 | 1 |
| 3 | Stem | Brass | IS 6912 FLB / DIN EN 12164 Gr. CW 721R | 1 |
| 4 | Bonnet | Bronze | BS 1400 LG2 | 1 |
| 5 | Packing | Asbestos | - | - |
| 6 | Gland | Bronze | BS 1400 LG2 | 1 |
| 7 | Gland Nut | Bronze | BS 1400 LG2 | 1 |
| 8 | Handwheel | Cast Iron / Steel | IS 210 Gr. FG200 / - | 1 |
| 9 | Washer | Carbon Steel | - | 1 |
| 10 | Screw / Bolt | Carbon Steel | - | 1 |

Dimensional Data

| Nominal Size | FF | H | W | T | Weight (Kgs.) |
|--------------|-----|-----|-----|--------|---------------|
| 15 | 60 | 132 | 50 | 1/2" | 0.645 |
| 20 | 60 | 155 | 60 | 3/4" | 0.795 |
| 25 | 70 | 167 | 64 | 1" | 1.200 |
| 32 | 80 | 180 | 76 | 1.1/4" | - |
| 40 | 90 | 205 | 90 | 1.1/2" | 2.390 |
| 50 | 100 | 245 | 100 | 2" | 3.260 |
| 65 | 105 | 305 | 110 | 2.1/2" | - |



AV-75 Gun Metal Gate Valve - Pegular Type (Pegular Type), PN 16

Features

Screwed in bonnet, Inside screw, Non-Rising stem, Integral Seat, Solid Wedge
Screwed female BSP parallel threads as per BS 21

Test Pressure

Body : 350 Psig (Hyd.)

Seat : 260 Psig (Hyd.)

Testing Standard : BS EN 12266 Part-1

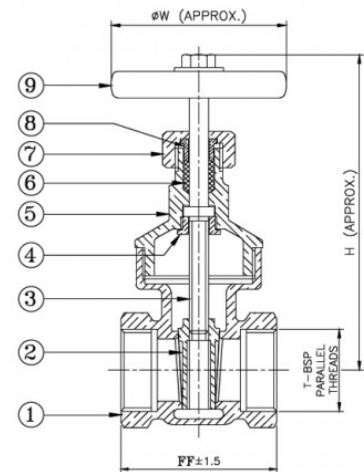
Suitability

Water, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|---------------|-----------|------------------|
| 1 | Body | Bronze | BS 1400 LG2 |
| 2 | Wedge | Bronze | BS 1400 LG2 |
| 3 | Stem | Brass | IS 6912 Gr. FLB |
| 4 | Stem Nut | Bronze | BS 1400 LG2 |
| 5 | Bonnet | Bronze | BS 1400 LG2 |
| 6 | Gland Packing | Asbestos | - |
| 7 | Gland Nut | Bronze | BS 1400 LG2 |
| 8 | Gland | Bronze | BS 1400 LG2 |
| 9 | Handwheel | Cast Iron | IS210 Gr. FG 200 |



Dimensional Data

| Nominal Size (mm) | FF ± 1.5 | ϕW | H | T |
|-------------------|--------------|----------|-----|--------|
| 8 | 46 | 43 | 85 | 1/4" |
| 10 | 46 | 43 | 85 | 3/8" |
| 15 | 49 | 51 | 92 | 1/2" |
| 20 | 56 | 62 | 112 | 3/4" |
| 25 | 60 | 62 | 125 | 1" |
| 32 | 64 | 72 | 132 | 1.1/4" |
| 40 | 68 | 85 | 150 | 1.1/2" |
| 50 | 84 | 97 | 180 | 2" |
| 65 | 93 | 104 | 215 | 2.1/2" |
| 80 | 103 | 119 | 280 | 3" |
| 100 | 127 | 184 | 310 | 4" |



AV-75A Gun Metal Gate Valve – Tanker Valve (Screwed Ends), PN 16

Features

Screwed in bonnet, Inside screw, Non-Rising stem, Integral Seat, Split (Double) Wedge
Screwed ends BSP parallel threads as per BS-21

Test Pressure

Body : 348 Psig (Hyd.)

Seat : 255 Psig (Hyd.)

Max. Working Pressure : 232 Psig (Hyd.)

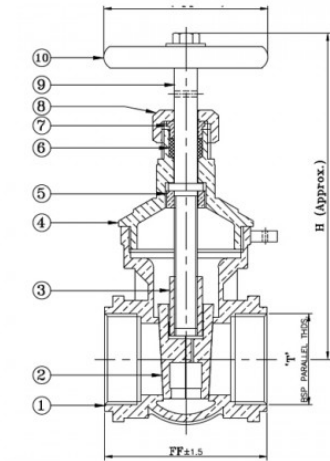
Suitability

Water, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------------------------|-------------------|--------------------------|
| 1 | Body | Gun Metal | BSEN 1982 Gr. CC491K |
| 2 | Wedge (Split) Two Piece Design | Gun Metal | BSEN 1982 Gr. CC491K |
| 3 | Stem Nut | Gun Metal / Brass | BSEN 1982 Gr. CC491K / - |
| 4 | Bonnet | Gun Metal | BSEN 1982 Gr. CC491K |
| 5 | Back Seat Bush | Gun Metal | BSEN 1982 Gr. CC491K |
| 6 | Gland Packing | Asbestos | - |
| 7 | Gland | Gun Metal / Brass | BSEN 1982 Gr. CC491K / - |
| 8 | Gland Nut | Gun Metal | BSEN 1982 Gr. CC491K |
| 9 | Stem | Brass | IS 6912 Gr. FLB |
| 10 | Handwheel | Cast Iron | IS 210 Gr. FG 200 |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | ØW | H | T |
|-------------------|---------|----|-----|--------|
| 25 | 67 | 65 | 135 | 1" |
| 40 | 84 | 86 | 170 | 1.1/2" |



AV-76 Bronze Swing Check Valve (Screwed Ends), PN 16

Features

Screwed in cover, Integral Seat
 Screwed female BSP parallel threads as per BS 21
 Design Standard : 5154

Test Pressure

Body : 300 Psig (Hyd.)
 Seat : 150 Psig (Hyd.)
 Testing Standard : BS EN 12266 Part-1

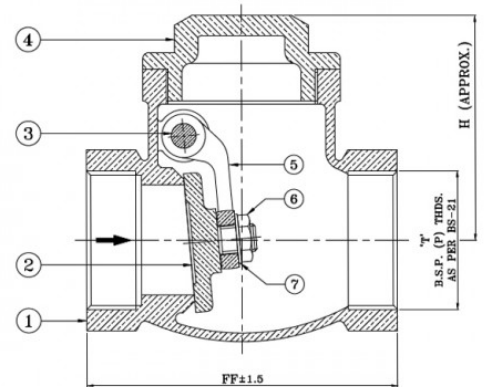
Suitability

Water, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------|----------------|---------------|
| 1 | Body | Bronze | BS 1400 LG2 |
| 2 | Disc | Bronze | BS 1400 LG2 |
| 3 | Hinge Pin | Brass | IS 6912 FLB |
| 4 | Cover | Bronze | BS 1400 LG2 |
| 5 | Hinge | Bronze | BS 1400 LG2 |
| 6 | Nut | Brass | - |
| 7 | Washer | Brass | - |
| 8 | Gasket | PTFE | - |
| 9 | Side Plug | Bronze / Brass | BS 1400 LG2 |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | T | H |
|-------------------|---------|--------|----|
| 15 | 65 | 1/2" | 20 |
| 20 | 75 | 3/4" | 10 |
| 25 | 75 | 1" | 60 |
| 40 | 112 | 1.1/2" | 20 |
| 50 | 150 | 2" | 30 |
| 65 | 178 | 2.1/2" | 10 |



AV-77 Bronze Ferrule Cock

Features

Right Angle Pattern, Integral Seat.
Screwed female BSP parallel threads as per BS 21

Test Pressure

Body : 300 Psig (Hyd.)
Seat : 200 Psig (Hyd.)
Testing Standard : BS EN 12266 Part-1

Suitability

Water

Photo Not Available

Material Combination

| P.No. | Name of Part | Material | Specification | Nos. |
|-------|--------------|----------|---------------|------|
| 1 | Body | Bronze | BS 1400 LG2 | 1 |
| 2 | Disc | Bronze | BS 1400 LG2 | 1 |
| 3 | Gasket | C.A.F. | - | 1 |
| 4 | Cover | Bronze | BS 1400 LG2 | 1 |

Dimensional Data

| Nominal Size | CF | CF1 | H | T | Weight (Kgs.) |
|--------------|----|-----|----|------|---------------|
| 8 | 38 | 57 | 51 | 1/4" | 0.200 |
| 10 | 38 | 57 | 51 | 3/8" | - |
| 15 | 38 | 65 | 53 | 1/2" | 0.280 |
| 20 | 43 | 65 | 57 | 3/4" | - |
| 25 | 50 | 77 | 66 | 1" | - |



AV-79 Bronze Vertical Lift Check Valve

Features

Spring loaded, Vertical type, Integral seat
Screwed female BSP parallel threads as per BS 21

Test Pressure

Body : 300 Psig (Hyd.)
Seat : 200 Psig (Hyd.), 80 Psig (Air)
Testing Standard : MSS SP-80

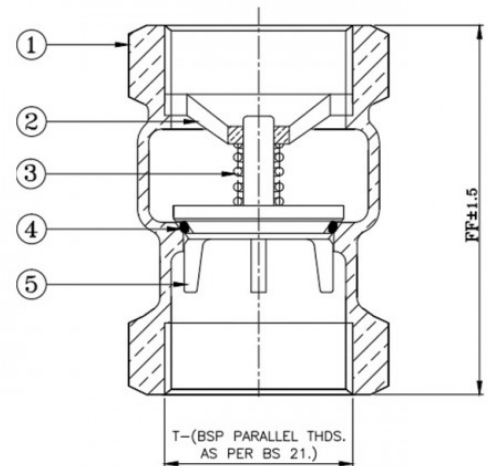
Suitability

Water, Oil, Air



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------|-----------------|---------------|
| 1 | Body | Bronze | ASTM B62 |
| 2 | Disc | Bronze | ASTM B62 |
| 3 | Spring | Stainless Steel | AISI 304 |
| 4 | Washer | Brass | IS 6912 FLB |
| 5 | Nut | Brass | IS 6912 FLB |



Dimensional Data

| Nominal Size (mm) | FF ± 1.5 | T |
|-------------------|----------|--------|
| 15 | 65 | 1/2" |
| 20 | 70 | 3/4" |
| 25 | 75 | 1" |
| 32 | 85 | 1.1/4" |
| 40 | 95 | 1.1/2" |
| 50 | 105 | 2" |
| 65 | 130 | 2.1/2" |
| 80 | 145 | 3" |
| 100 | 190 | 4" |



AV-80 Gun Metal Vertical Lift Check Valve (Two Piece Design), PN 20

Features

Screwed Female BSP Parallel Threads BS-21

Test Pressure

Body - 450 Psig (Hyd.)

Seat - 320 Psig (Hyd.)

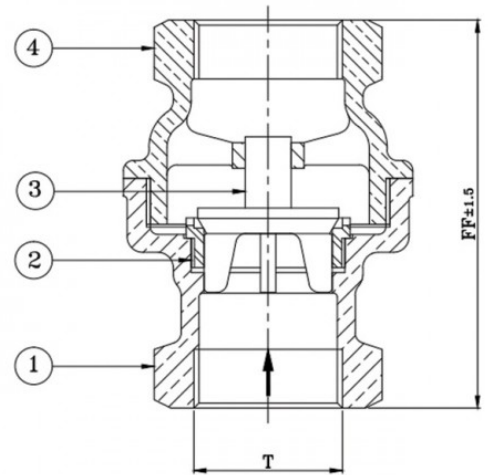
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|----------------|-----------------|---|
| 1 | Inlet Body | Gun Metal | BSEN 1982 Gr. CC491K |
| 2 | Body Seat Ring | Stainless Steel | ASTM A276 Type 410 |
| 3 | Disc | Stainless Steel | ASTM A276 Type 410 / ASTM A217 Gr. CA15 |
| 4 | Outlet Body | Gun Metal | BSEN 1982 Gr. CC491K |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | T |
|-------------------|---------|--------|
| 15 | 73 | 1/2" |
| 20 | 80 | 3/4" |
| 25 | 89 | 1" |
| 32 | 110 | 1.1/4" |
| 40 | 126 | 1.1/2" |
| 50 | 145 | 2" |
| 65 | 157 | 2.1/2" |
| 80 | 172 | 3" |



AV-86 Bronze Foot Valve, PN 20

Features

Vertical lift, Rubber seat with metallic strainer, Integral seat, Cu-Alloy trim
Screwed female NPT threads as per ASME B1.20.1

Test Pressure

Body : 435 Psig (Hyd.)

Seat : 320 Psig (Hyd.)

Testing Standard : BS EN 12266 Part-1

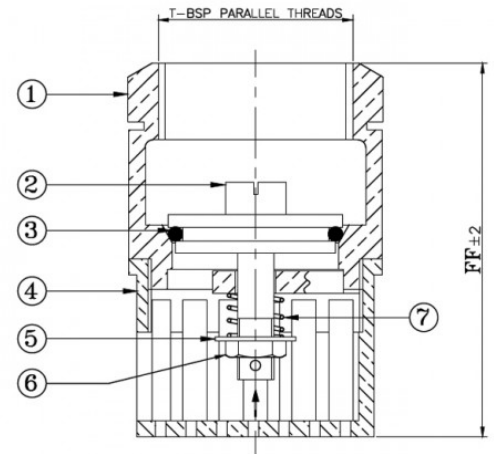
Suitability

Water



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------|------------------|---------------|
| 1 | Body | Bronze | BS 1400 LG2 |
| 2 | Disc | Bronze | BS 1400 LG2 |
| 3 | O - Ring | Synthetic Rubber | - |
| 4 | Stainer | Bronze | BS 1400 LG2 |
| 5 | Washer | Brass | - |
| 6 | Lock Nut | Brass | - |
| 7 | Spring | Stainless Steel | AISI 304 |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | T |
|-------------------|---------|--------|
| 15 | 68 | 1/2" |
| 20 | 68 | 3/4" |
| 25 | 73 | 1" |
| 32 | 83 | 1.1/4" |
| 40 | 88 | 1.1/2" |
| 50 | 92 | 2" |
| 65 | 108 | 2.1/2" |
| 80 | 114 | 3" |
| 100 | 137 | 4" |
| 125 | 160 | 5" |
| 150 | 199 | 6" |



AV-87 Bronze Universal Check Valve, PN 20

Features

Vertical & Horizontal Pipe Line.
Screwed female BSP parallel threads as per BS 21

Test Pressure

Body : 435 Psig (Hyd.)
Seat : 319 Psig (Hyd.)
Testing Standard : BS EN 12266 Part-1

Suitability

Photo Not Available

Material Combination

| P.No. | Name of Part | Material | Specification | Nos. |
|-------|----------------|------------------|---------------|------|
| 1 | Body Connector | Bronze | BS 1400 LG2 | 1 |
| 2 | O - Ring | Synthetic Rubber | - | 1 |
| 3 | Spring | Stainless Steel | AISI 304 | 1 |
| 4 | Disc | Bronze | BS 1400 LG2 | 1 |
| 5 | Body | Bronze | BS 1400 LG2 | 1 |

Dimensional Data

| Nominal Size | FF | T | Weight (Kgs.) |
|--------------|-----|--------|---------------|
| 15 | 58 | 1/2" | - |
| 20 | 64 | 3/4" | - |
| 25 | 70 | 1" | - |
| 32 | 90 | 1.1/4" | - |
| 40 | 99 | 1.1/2" | - |
| 50 | 115 | 2" | 2.060 |



AV-88 Bronze Vertical Lift Check Valve

Features

Metal to metal seat can be provided on request, Spring Loaded, Guided Disc.
Screwed female BSP parallel threads as per BS 21

Test Pressure

Body : 300 Psig (Hyd.)

Seat : 200 Psig (Hyd.)

Testing Standard : BS EN 12266 Part-1

Suitability

Photo Not Available

Material Combination

| P.No. | Name of Part | Material | Specification | Nos. |
|-------|--------------|------------------|---------------|------|
| 1 | Body | Bronze | BS 1400 LG2 | 1 |
| 2 | Disc | Bronze | BS 1400 LG2 | 1 |
| 3 | O - Ring | Synthetic Rubber | - | 1 |
| 4 | Spring | Stainless Steel | AISI 304 | 1 |
| 5 | Disc Guide | Bronze | BS 1400 LG2 | 1 |

Dimensional Data

| Nominal Size | FF | T | Weight (Kgs.) |
|--------------|-----|--------|---------------|
| 15 | 65 | 1/2" | 0.250 |
| 20 | 70 | 3/4" | 0.350 |
| 25 | 75 | 1" | 0.500 |
| 32 | 85 | 1.1/4" | 0.805 |
| 40 | 95 | 1.1/2" | 0.995 |
| 50 | 110 | 2" | 1.665 |



AV-89 Bronze Air Valve – Paddle Valve

Features

Spring loaded, With soft seat
Screwed female BSP parallel threads as per BS 21

Test Pressure

Body : 300 Psig (Hyd.)
Seat : 150 Psig (Hyd.)
Testing Standard : BS EN 12266 Part-1

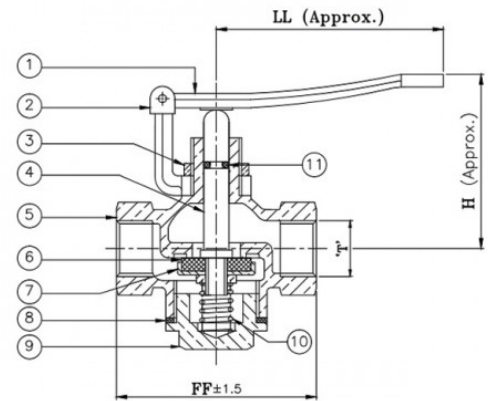
Suitability

Water, Air



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------|-----------------|---------------|
| 1 | Lever | Bronze | BS 1400 LG2 |
| 2 | Bracket | Bronze | BS 1400 LG2 |
| 3 | Locking Nut | Bronze | BS 1400 LG2 |
| 4 | Stem | Brass | - |
| 5 | Body | Bronze | BS 1400 LG2 |
| 6 | Disc | Rubber / Teflon | - |
| 7 | Disc Holder | Bronze / Brass | BS 1400 LG2 |
| 8 | Gasket | PTFE | - |
| 9 | Bottom Cover | Bronze | BS 1400 LG2 |
| 10 | Spring | Spring Steel | - |
| 11 | O - Ring | Rubber | - |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | T | LL |
|-------------------|---------|-----|------|-----|
| 15 | 75 | 81 | 1/2" | 91 |
| 20 | 81 | 75 | 3/4" | 100 |
| 25 | 91 | 105 | 1" | 105 |



AV-90 Bronze Foot Valve (Hole Type), PN 20

Features

Bronze foot valve Vertical Lift type Integral Metallic Disc with Metallic Strainer.
Screwed Female BSP Parallel Threads BS 21

Test Pressure

Body - 435 Psig (Hyd.)
Seat - 320 Psig (Hyd.)
Testing Standard : BS EN 12266 Part-1

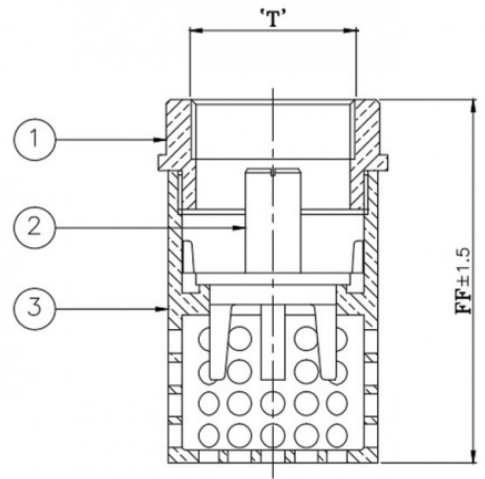
Suitability

Water, Air



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------|----------|---------------|
| 1 | Body | Bronze | BS 1400 LG2 |
| 2 | Disc | Bronze | BS 1400 LG2 |
| 3 | Cage | Bronze | BS 1400 LG2 |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | T |
|-------------------|---------|--------|
| 15 | 82 | 1/2" |
| 20 | 82 | 3/4" |
| 25 | 90 | 1" |
| 32 | 90 | 1.1/4" |
| 40 | 100 | 1.1/2" |
| 50 | 102 | 2" |



AV-91 Bronze Horizontal Check Valve

Features

Screwed in cover, Piston type with renewable soft disc.
Screwed ends BSP parallel threads as per BS 21

Test Pressure

Body : 300 Psig (Hyd.)
Seat : 200 Psig (Hyd.)
Testing Standard : BS EN 12266 Part-1

Suitability

Water, Oil, Air

Photo Not Available

Material Combination

| P.No. | Name of Part | Material | Specification | Nos. |
|-------|--------------|-----------------|---------------|------|
| 1 | Body | Bronze | BS 1400 LG2 | 1 |
| 2 | Bolt / Screw | Carbon Steel | - | 1 |
| 3 | Disc | Rubber / Teflon | - | 1 |
| 4 | Piston | Bronze | BS 1400 LG2 | 1 |
| 5 | Spring | Carbon Steel | - | 1 |
| 6 | Cover | Bronze | BS 1400 LG2 | 1 |

Dimensional Data

| Nominal Size | FF | H | T | Weight (Kgs.) |
|--------------|----|----|------|---------------|
| 15 | 83 | 54 | 1/2" | 1.040 |
| 20 | 85 | 54 | 3/4" | - |
| 25 | 89 | 62 | 1" | 1.370 |



AV-92 Gun Metal Globe Valve Mixed End

Features

Screwed in Bonnet, Inside Screw, Rising Stem.
Inlet Flange to BS-10 Table-D & Outlet screwed Female ends to BS-21

Test Pressure

Body : 300 Psig(Hyd.)
Seat : 200 Psig (Hyd.)

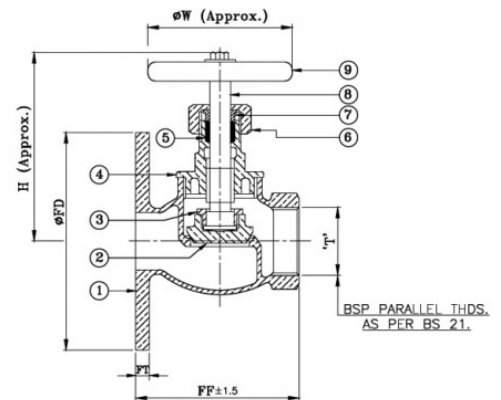
Suitability

Water, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|---------------|----------------|-------------------------|
| 1 | Body | Bronze | BS 1400 LG2 |
| 2 | Disc | Bronze | BS 1400 LG2 |
| 3 | Disc Nut | Bronze | BS 1400 LG2 |
| 4 | Bonnet | Bronze | BS 1400 LG2 |
| 5 | Gland Packing | Asbestos | - |
| 6 | Gland Nut | Bronze / Brass | BS 1400 LG2 / - |
| 7 | Gland | Bronze / Brass | BS 1400 LG2 / - |
| 8 | Stem | H.T. Brass | DIN EN 12164 Gr. CW721R |
| 9 | Handwheel | Cast Iron | IS 210 Gr. FG 200 |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | ØW | ØFD | FT | k | n | Ød |
|-------------------|---------|-----|----|-------|-----|-------|---|------|
| 15 | 54 | 75 | 50 | 95.3 | 6.4 | 66.7 | 4 | 14.3 |
| 20 | 71 | 85 | 60 | 101.6 | 6.4 | 73 | 4 | 14.3 |
| 25 | 77 | 92 | 65 | 114.3 | 7.9 | 82.6 | 4 | 14.3 |
| 32 | 87 | 110 | 77 | 120.7 | 7.9 | 87.3 | 4 | 14.3 |
| 40 | 91 | 115 | 85 | 133.4 | 9.5 | 98.4 | 4 | 14.3 |
| 50 | 107 | 157 | 98 | 152.4 | 9.5 | 114.3 | 4 | 17.5 |



AV-92A Gun Metal Gate Valve, Mixed End

Features

Screwed in Bonnet, Inside Screw, Non Rising Stem with Open Shut Indicator & Locking Arrangement.

One Side Flange end to BS 10 Table-D, Other Side end BSP Parallel threads to BS 21

Test Pressure

Body : 300 Psig (Hyd.)

Seat : 200 Psig (Hyd.)

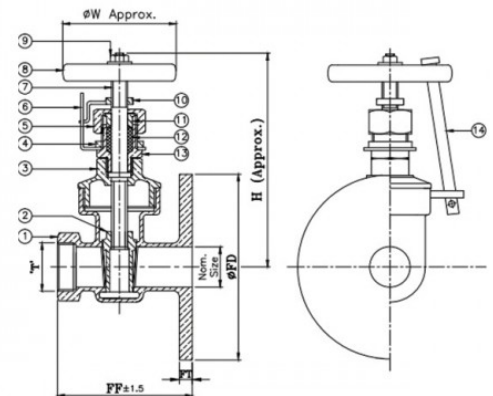
Suitability

Water, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|------------------|-------------|-----------------------|
| 1 | Body | Gun Metal | EN-1982 Gr. CC 491K |
| 2 | Wedge | Gun Metal | EN-1982 Gr. CC 491K |
| 3 | Bonnet | Gun Metal | EN-1982 Gr. CC 491K |
| 4 | Locking Nut | Gun Metal | EN-1982 Gr. CC 491K |
| 5 | Gland Nut | Gun Metal | EN-1982 Gr. CC 491K |
| 6 | Indicating Plate | Brass Sheet | - |
| 7 | Stem | H.T. Brass | EN 12164 Gr. CW 721 R |
| 8 | Handwheel | Cast Iron | IS : 210 Gr. FG 200 |
| 9 | Screw / Nut | Steel | - |
| 10 | Indicator | Gun Metal | EN-1982 Gr. CC 491K |
| 11 | Gland | Gun Metal | EN-1982 Gr. CC 491K |
| 12 | Gland Packing | Asbestos | - |
| 13 | Stuffing Box | Gun Metal | EN-1982 Gr. CC 491K |
| 14 | Locking Rod | Mild Steel | Galvanised |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | ØW | ØFD | FT | T |
|-------------------|---------|-----|-----|-------|-----|--------|
| 15 | 66 | 95 | 63 | 95.3 | 6.4 | 1/2" |
| 20 | 66 | 110 | 63 | 101.6 | 6.4 | 3/4" |
| 25 | 80 | 125 | 78 | 114.3 | 7.9 | 1" |
| 32 | 90 | 145 | 78 | 120.7 | 7.9 | 1.1/4" |
| 40 | 100 | 160 | 100 | 133.4 | 9.5 | 1.1/2" |
| 50 | 110 | 175 | 111 | 152.4 | 9.5 | 2" |



AV-93 Bronze Gate Valve (Flanged Ends), PN 10

Features

Screwed in bonnet, Inside screw, Non-Rising stem, With locking arrangement & position indicator.

Flanged ends as per BS-10, Table-D

Test Pressure

Body : 300 Psig (Hyd.)

Seat : 200 Psig (Hyd.)

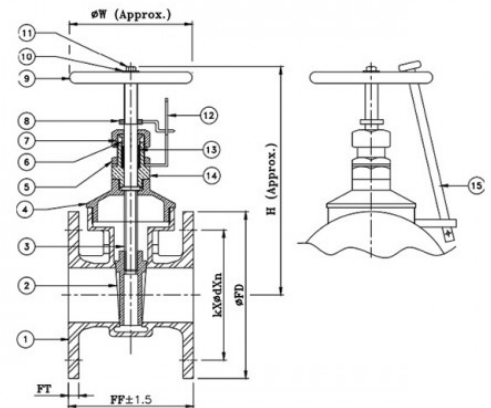
Suitability

Water, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|-----------------|-------------|----------------------|
| 1 | Body | Bronze | BSEN 1982 Gr. CC491K |
| 2 | Wedge | Bronze | BSEN 1982 Gr. CC491K |
| 3 | Stem | H.T. Brass | DIN 12164 CW721R |
| 4 | Stem Nut | Gun Metal | BSEN 1982 Gr. CC491K |
| 5 | Bonnet | Bronze | BSEN 1982 Gr. CC491K |
| 6 | Check Nut | Bronze | BSEN 1982 Gr. CC491K |
| 7 | Packing | Asbestos | - |
| 8 | Gland Follower | Bronze | BSEN 1982 Gr. CC491K |
| 9 | Gland Nut | Bronze | BSEN 1982 Gr. CC491K |
| 10 | Indicator | Bronze | BSEN 1982 Gr. CC491K |
| 11 | Indicator Plate | Brass Sheet | - |
| 12 | Handwheel | Cast Iron | BS 1561 Gr. GJL200 |
| 13 | Locking Rod | M.S. | Galvanised |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | ØW | ØFD | FT | k | n | Ød |
|-------------------|---------|-----|-----|-------|------|-------|---|------|
| 15 | 66 | 126 | 64 | 95.3 | 6.4 | 66.7 | 4 | 14.3 |
| 20 | 76 | 145 | 87 | 101.6 | 6.4 | 73 | 4 | 14.3 |
| 25 | 86 | 163 | 87 | 114.3 | 7.9 | 82.6 | 4 | 14.3 |
| 32 | 89 | 176 | 87 | 120.7 | 7.9 | 87.3 | 4 | 14.3 |
| 40 | 106 | 182 | 111 | 133.4 | 9.5 | 98.4 | 4 | 14.3 |
| 50 | 115 | 215 | 116 | 152.4 | 9.5 | 114.3 | 4 | 17.5 |
| 65 | 138 | 225 | 116 | 165.1 | 11.1 | 127 | 4 | 17.5 |
| 80 | 151 | 295 | 148 | 184.2 | 12.7 | 146.1 | 4 | 17.5 |
| 100 | 179 | 355 | 185 | 215.9 | 15.9 | 177.8 | 4 | 17.5 |
| 125 | 216 | 535 | 250 | 254 | 17.5 | 209.6 | 8 | 17.5 |
| 150 | 216 | 535 | 250 | 274 | 17.5 | 209.6 | 8 | 17.5 |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



AV-94 Bronze Globe Valve, PN 10

Features

Screwed in Bonnet, Inside Screw, Rising Stem, With locking arrangement & position Indicator.
Flanges as per BS 10 Table 'D' (Undrilled)

Test Pressure

Body - 300 Psig (Hyd.)
Seat - 200 Psig (Hyd.)

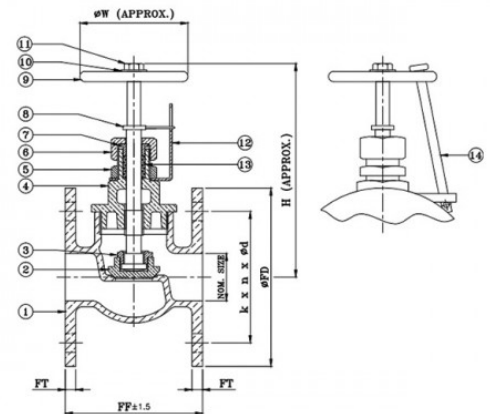
Suitability

Water, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|-----------------|-----------------|--|
| 1 | Body | Bronze | BSEN 1982 Gr. CC491K / IS 318 Gr. LTB2 |
| 2 | Disc | Bronze | BSEN 1982 Gr. CC491K / IS 318 Gr. LTB2 |
| 3 | Disc Nut | Bronze | BSEN 1982 Gr. CC491K / IS 318 Gr. LTB2 |
| 4 | Bonnet | Bronze | BSEN 1982 Gr. CC491K / IS 318 Gr. LTB2 |
| 5 | Bonnet | Bronze | BSEN 1982 Gr. CC491K / IS 318 Gr. LTB2 |
| 6 | Check Nut | Bronze | BSEN 1982 Gr. CC491K / IS 318 Gr. LTB2 |
| 7 | Gland Nut | Bronze / Brass | BSEN 1982 Gr. CC491K / IS 318 Gr. LTB2 |
| 8 | Indicator | Bronze | BSEN 1982 Gr. CC491K / IS 318 Gr. LTB2 |
| 9 | Stem | H.T. Brass | IS 6912 / IS 319 |
| 10 | Handwheel | Cast Iron | - |
| 11 | Washer | Stainless Steel | - |
| 12 | Screw / Bolt | Stainless Steel | - |
| 13 | Indicator Plate | Brass Sheet | - |
| 14 | Packing | PTFE | - |
| 15 | Locking Rod | M.S. | Galvanised |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | ØW | ØFD | FT | k | n | Ød |
|-------------------|---------|-----|-----|-----|------|-----|---|----|
| 15 | 54 | 74 | 50 | 96 | 6.4 | 66 | 4 | 14 |
| 20 | 65 | 85 | 50 | 102 | 6.4 | 73 | 4 | 14 |
| 25 | 83 | 123 | 64 | 115 | 7.9 | 82 | 4 | 14 |
| 32 | 83 | 110 | 64 | 120 | 7.9 | 94 | 4 | 14 |
| 40 | 83 | 120 | 85 | 135 | 9.5 | 104 | 4 | 14 |
| 50 | 105 | 145 | 97 | 150 | 9.5 | 115 | 4 | 17 |
| 65 | 140 | 170 | 118 | 165 | 11.1 | 127 | 4 | 17 |
| 80 | 175 | 200 | 148 | 185 | 12.7 | 145 | 4 | 17 |
| 100 | 207 | 255 | 185 | 216 | 15.9 | 178 | 4 | 17 |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



AV-96A Cast Iron Butterfly Valve Wafer Type, Class-125

Features

Wafer Type, Without Lugs, Renewable Linear Seat.

Suitable for Insertion between Flanges as per ANSI B 16.1 CI-125, DIN ND-10 & BS-10 Table'E'

Product Standard : IS-13095

Test Pressure

Body : 300 Psig (Hyd.)

Seat : 200 Psig (Hyd.)

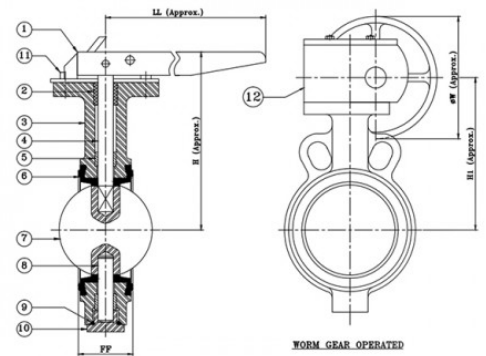
Suitability

Water, Air



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|----------------|----------------------|--------------------|
| 1 | Lever Assembly | Carbon Steel | - |
| 2 | Packing Ring | PTFE | - |
| 3 | Body | Cast Iron | IS 210 Gr. FG 200 |
| 4 | Upper Stem | Stainless Steel | ASTM A276 Type 410 |
| 5 | Bush | Bronze | ASMA B62 |
| 6 | Body Liner | EPDM (Renewable) | - |
| 7 | Disc | Cast Stainless Steel | ASTM A351 Gr. CF8 |
| 8 | Lower Stem | Stainless Steel | ASTM A276 Type 410 |
| 9 | O - Ring | Nitrile Rubber | - |
| 10 | Bottom Cover | Cast Iron | IS 210 Gr. FG 200 |
| 11 | L - Key Screw | Carbon Steel | - |
| 12 | Gear Box | Cast Iron | IS 210 Gr. FG 200 |



Dimensional Data

| Nominal Size (mm) | FF ±2 | LL | H | H1 | ØW |
|-------------------|-------|-----|-----|-----|-----|
| 40 | 33 | 208 | 128 | - | - |
| 50 | 43 | 208 | 140 | - | - |
| 65 | 46 | 208 | 155 | - | - |
| 80 | 46 | 257 | 165 | - | - |
| 100 | 52 | 257 | 180 | - | - |
| 125 | 56 | 257 | 200 | - | - |
| 150 | 56 | 257 | 210 | - | - |
| 200 | 60 | - | - | 305 | 200 |
| 250 | 68 | - | - | 350 | 200 |
| 300 | 78 ±3 | - | - | 400 | 200 |

NOTE : 1. Valve can be supplied with Pneumatic Actuator/ Electric Actuator.

2. Valve size 200 mm & above will be with gear arrangement.



AV-96B Cast Iron Butterfly Valve, Class-125

Features

Wafer Type, Without Lugs, Renewable Liner, Suitable for Insertion between Flanges as per ANSI B 16.1 CL-125, DIN ND-10 & BS-10 Table 'E'
Product Standard : IS-13095

Test Pressure

Body : 300 Psig (Hyd.)
Seat : 200 Psig (Hyd.)

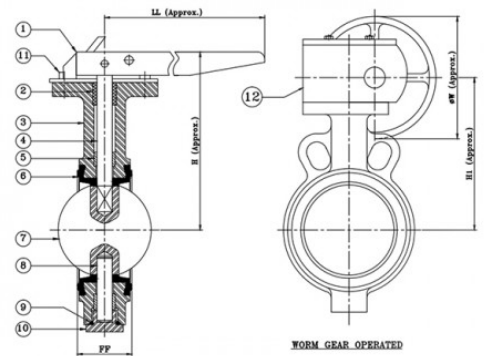
Suitability

Water, Air



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|----------------|-----------------|------------------------|
| 1 | Lever Assembly | Carbon Steel | - |
| 2 | Packing Ring | PTFE | - |
| 3 | Body | Cast Iron | IS 210 Gr. FG 200 |
| 4 | Upper Stem | Stainless Steel | ASTM A276 Type 410 |
| 5 | Bush | Bronze | ASMA B62 |
| 6 | Body Liner | EPDM | - |
| 7 | Disc | S.G. Iron | EN 1563 Gr. GJL 400 15 |
| 8 | Lower Stem | Stainless Steel | ASTM A276 Type 410 |
| 9 | O-Ring | Nitrile Rubber | - |
| 10 | Bottom Cover | Cast Iron | IS 210 Gr. FG 200 |
| 11 | L - Key Screw | Carbon Steel | - |
| 12 | Gear Box | Cast Iron | IS 210 Gr. FG 200 |



Dimensional Data

| Nominal Size (mm) | FF ±2 | LL | H | H1 | ØW |
|-------------------|-------|-----|-----|-----|-----|
| 40 | 33 | 208 | 128 | - | - |
| 50 | 43 | 208 | 140 | - | - |
| 65 | 46 | 208 | 155 | - | - |
| 80 | 46 | 257 | 165 | - | - |
| 100 | 52 | 257 | 180 | - | - |
| 125 | 56 | 257 | 200 | - | - |
| 150 | 56 ±3 | 257 | 210 | - | - |
| 200 | 60 ±3 | - | - | 305 | 200 |
| 250 | 68 ±3 | - | - | 350 | 200 |
| 300 | 78 ±3 | - | - | 400 | 200 |

NOTE : 1. Valve can be supplied with Pneumatic Actuator/ Electric Actuator.
2. Valve size 200 mm & above will be with gear arrangement.



AV-96C C.C.S. Butterfly Valve Wafer Type, Class-125

Features

Wafer Type, Without Lugs, Renewable Linear Seat.

Suitable for Insertion between Flanges as per ANSI B 16.1 CI-125, DIN ND-10 & BS-10 Table'E'

Product Standard : BSEN-593

Test Pressure

Body : 300 Psig (Hyd.)

Seat : 200 Psig (Hyd.)

Testing Standard : BS EN 12266 Part-1

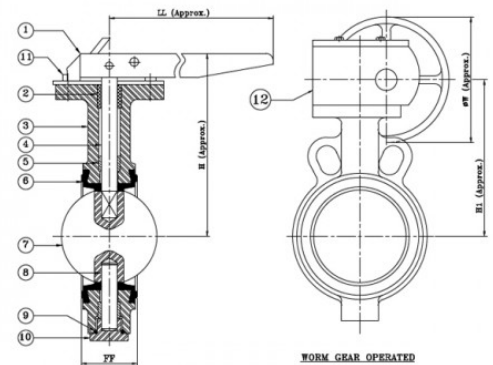
Suitability

Water, Air



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|----------------|-----------------------|--------------------|
| 1 | Lever Assembly | Carbon Steel | - |
| 2 | Packing | PTFE | - |
| 3 | Body | C.C.S. | ASTM A216 Gr. WCB |
| 4 | Upper Stem | S.S. | ASTM A276 Type 410 |
| 5 | Bush | Bronze | ASMA B62 |
| 6 | Body Liner | EPDM | - |
| 7 | Disc | C.S.S. | ASTM A351 Gr. CF8 |
| 8 | Lower Stem | S.S. | ASTM A276 Type 410 |
| 9 | O-Ring | Nitrile Rubber / EPDM | - |
| 10 | Bottom Cover | C.C.S. | ASTM A216 Gr. WCB |
| 11 | L - Key Screw | Carbon Steel | - |
| 12 | Gear Box | Cast Iron | IS 210 Gr. FG 200 |



Dimensional Data

| Nominal Size (mm) | FF ±2 | LL | H | H1 | ØW |
|-------------------|-------|-----|-----|-----|-----|
| 40 | 33 | 208 | 128 | - | - |
| 50 | 43 | 208 | 140 | - | - |
| 65 | 46 | 208 | 155 | - | - |
| 80 | 46 | 257 | 165 | - | - |
| 100 | 52 | 257 | 180 | - | - |
| 125 | 56 | 257 | 200 | - | - |
| 150 | 56 | 257 | 210 | - | - |
| 200 | 63±3 | - | - | 305 | 200 |
| 250 | 72 | - | - | 350 | 200 |
| 300 | 82 | - | - | 400 | 200 |

NOTE : 1. Valve can be supplied with Pneumatic Actuator/ Electric Actuator.

2. Valve size 200 mm & above will be with gear arrangement.



AV-96D Cast Iron Butterfly Valve, PN 16

Features

Wafer Type, Without Lugs, Renewable Liner.

Suitable for Insertion between Flanges as per ANSI B 16.1 CI-125, DIN ND-10 & BS-10 Table'E'

Product Standard : BSEN-593

Test Pressure

Body : 348 Psig (Hyd.)

Seat : 169 Psig (Hyd.)

Testing Standard : BS EN 12266 Part-1

Photo Not Available

Suitability

Water, Air

Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|----------------|------------------------|------------------------|
| 1 | Lever Assembly | Carbon Steel | - |
| 2 | Packing | PTFE | - |
| 3 | Body | Cast Iron | IS 210 Gr. FG200 |
| 4 | Upper Stem | S.S. | ASTM A276 Type 410 |
| 5 | Bush | Bronze | ASMA B62 |
| 6 | Body Liner | Integrally Molded EPDM | - |
| 7 | Disc | S.G. Iron | EN 1563 Gr. GJL 400-15 |
| 8 | Lower Stem | S.S. | ASTM A276 Type 410 |
| 9 | O-Ring | Nitrile Rubber | - |
| 10 | Bottom Cover | Cast Iron | IS 210 Gr. FG200 |
| 11 | L - Key Screw | Carbon Steel | - |
| 12 | Gear Box | Cast Iron | IS 210 Gr. FG 200 |

Dimensional Data

| Nominal Size (mm) | FF ±2 | LL | H | H1 | ØW |
|-------------------|-------|-----|-----|-----|-----|
| 40 | 33 | 208 | 128 | - | - |
| 50 | 43 | 208 | 140 | - | - |
| 65 | 46 | 208 | 155 | - | - |
| 80 | 46 | 257 | 165 | - | - |
| 100 | 52 | 257 | 180 | - | - |
| 125 | 56 | 257 | 200 | - | - |
| 150 | 56 | 257 | 210 | - | - |
| 200 | 60 | - | - | 305 | 200 |
| 250 | 68 | - | - | 350 | 200 |
| 300 | 78±3 | - | - | 400 | 200 |

NOTE : 1. Valve can be supplied with Pneumatic Actuator/ Electric Actuator.

2. Valve size 200 mm & above will be with gear arrangement.



AV-96E C.I. Butterfly Valve Wafer Type, PN-10

Features

Wafer Type, Without Lugs, Integrally Moulded Linear Seat
 Suitable for Insertion between Flanges as per ANSI B 16.1 CI-125, DIN ND-10 & BS-10 Table'E'
 Product Standard : IS-13095

Test Pressure

Body : 230 Psi g (Hyd.)
 Seat : 150 Psi g (Hyd.)

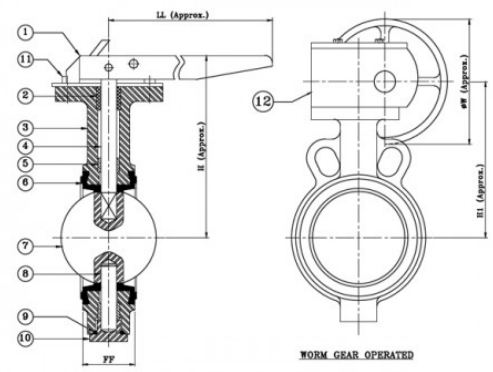
Suitability

Water, Air



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|----------------|------------------------|--------------------|
| 1 | Lever Assembly | Carbon Steel | - |
| 2 | Packing Ring | PTFE | - |
| 3 | Body | Cast Iron | IS 210 Gr. FG 200 |
| 4 | Upper Stem | Stainless Steel | ASTM A276 TYPE 410 |
| 5 | Bush | Bronze | ASMA B62 |
| 6 | Body Liner | Integrally Molded EPDM | - |
| 7 | Disc | C.S.S. | ASTM A351 Gr. CF8 |
| 8 | Lower Stem | Stainless Steel | ASTM A276 TYPE 410 |
| 9 | O - Ring | Nitrile Rubber | - |
| 10 | Bottom Cover | Cast Iron | IS 210 Gr. FG 200 |
| 11 | L - Key Screw | Carbon Steel | - |
| 12 | Gear Box | Cast Iron | IS 210 Gr. FG 200 |



Dimensional Data

| Nominal Size (mm) | FF ±2 | LL | H | H1 | ØW |
|-------------------|-------|-----|-----|-----|-----|
| 40 | 33 | 208 | 128 | - | - |
| 50 | 43 | 208 | 140 | - | - |
| 65 | 46 | 208 | 155 | - | - |
| 80 | 46 | 257 | 165 | - | - |
| 100 | 52 | 257 | 180 | - | - |
| 125 | 56 | 257 | 200 | - | - |
| 150 | 56 | 257 | 210 | - | - |
| 200 | 60 | - | - | 305 | 200 |
| 250 | 68 | - | - | 350 | 200 |
| 300 | 78 ±3 | - | - | 400 | 200 |

NOTE : 1. Valve can be supplied with Pneumatic Actuator/ Electric Actuator.
 2. Valve size 200 mm & above will be with gear arrangement.



AV-97 S.G. Iron Wafer Type Flap Non-Return Valve, PN 16

Features

Non-Return valve, With swing type disc
Suitable for insertion between Flanges as per ANSI B16.1 CL-125, DIN ND-10

Test Pressure

Body : 300 Psig (Hyd.)
Seat : 200 Psig (Hyd.)
Testing Standard : BS EN 12266 Part-1

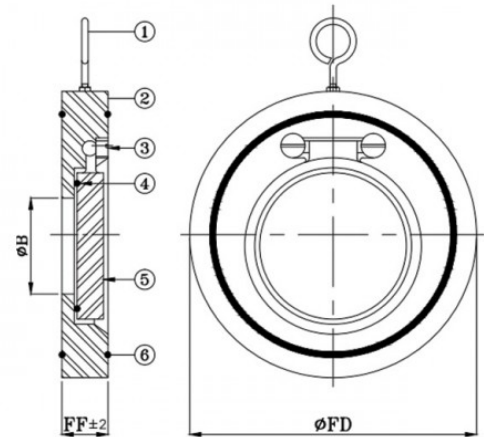
Suitability

Water



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------|----------------|------------------------|
| 1 | Hook | Carbon Steel | - |
| 2 | Body | S.G. Iron | EN 1563 Gr. GJS-400-15 |
| 3 | Screw | Carbon Steel | - |
| 4 | O - Ring | Nitrile Rubber | - |
| 5 | Disc | S.G. Iron | EN 1563 Gr. GJS-400-15 |
| 6 | O - Ring | Nitrile Rubber | - |



Dimensional Data

| Nominal Size (mm) | FF ± 2 | ϕFD | ϕB |
|-------------------|------------|-----------|----------|
| 50 | 19 | 109 | 32 |
| 65 | 19 | 129 | 40 |
| 80 | 19 | 144 | 54 |
| 100 | 19 | 164 | 70 |
| 125 | 19 | 194 | 92 |
| 150 | 19 | 220 | 112 |
| 200 | 28 | 275 | 154 |
| 250 | 28 | 330 | 192 |
| 300 | 32 | 380 | 227 |



AV-98 Bronze Gate Valve (Hattersley Type), PN 16

Features

Screwed in bonnet, Inside screw, Non-Rising stem, Integral seat, Solid Wedge.
Screwed female BSP parallel threads as per BS 21

Test Pressure

Body : 350 Psig (Hyd.)
Seat : 255 Psig (Hyd.)

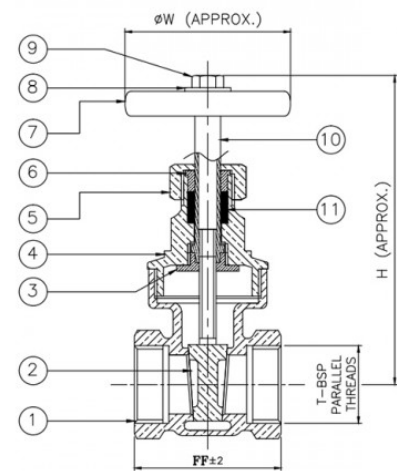
Suitability

Water, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|---------------|--------------|-----------------------|
| 1 | Body | Bronze | BSEN 1982 Gr. CC 491K |
| 2 | Wedge | Bronze | BSEN 1982 Gr. CC 491K |
| 3 | Stem Nut | Bronze | BSEN 1982 Gr. CC 491K |
| 4 | Bonnet | Bronze | BSEN 1982 Gr. CC 491K |
| 5 | Gland Nut | Bronze | BSEN 1982 Gr. CC 491K |
| 6 | Gland | Bronze | BSEN 1982 Gr. CC 491K |
| 7 | Handwheel | Cast Iron | IS 210 Gr. FG 200 |
| 8 | Washer | Carbon Steel | - |
| 9 | Set Screw | Carbon Steel | - |
| 10 | Sleeve (Stem) | Brass | IS 6912 Gr. FLB |
| 11 | Gland Packing | PTFE | - |



Dimensional Data

| Nominal Size (mm) | FF ± 1.5 | ϕW | H | T |
|-------------------|--------------|----------|-----|--------|
| 15 | 43 | 60 | 103 | 1/2" |
| 20 | 47 | 66 | 125 | 3/4" |
| 25 | 55 | 70 | 144 | 1" |
| 32 | 56 | 79 | 154 | 1.1/4" |
| 40 | 61 | 90 | 168 | 1.1/2" |
| 50 | 63 | 106 | 200 | 2" |
| 65 | 78 | 114 | 234 | 2.1/2" |
| 80 | 90 | 132 | 285 | 3" |
| 100 | 106 | 161 | 350 | 4" |



AV-101 Bronze Vertical Lift Check Valve, Class-1

Features

Spring loaded, Vertical Lift, Integral Seat, with Metallic or Rubber facing disc.
Screwed Female Threads to IS - 554 (Parallel)
Product Standard : IS-778

Test Pressure

Body - 1.5 MPa (Hyd.)
Seat - 1.0 MPa (Hyd.)
Max. Working Pressure : 1.0 MPa (Hyd.)
Max. Working Temperature : upto to 45°C
Testing Standard : IS-778

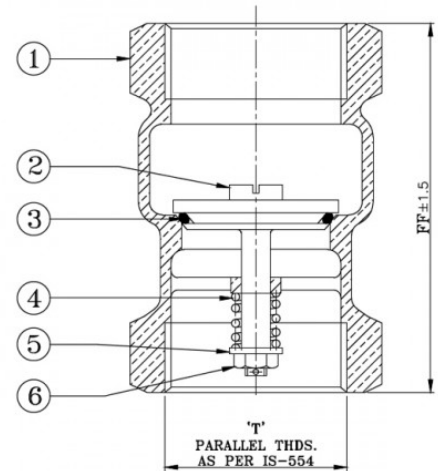
Suitability

Water, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|------------------|------------------|-----------------|
| 1 | Body | Bronze | IS 318 Gr. LTB2 |
| 2 | Disc | Bronze | IS 318 Gr. LTB2 |
| 3 | Disc Facing Ring | Synthetic Rubber | - |
| 4 | Spring | Phosphos Bronze | IS 7608 |
| 5 | Washer | Brass Sheet | - |
| 6 | Nut | Brass | - |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | T |
|-------------------|---------|--------|
| 15 | 65 | 1/2" |
| 20 | 70 | 3/4" |
| 25 | 75 | 1" |
| 32 | 85 | 1.1/4" |
| 40 | 95 | 1.1/2" |
| 50 | 110 | 2" |
| 65 | 130 | 2.1/2" |
| 80 | 145 | 3" |
| 100 | 190 | 4" |



AV-102 Bronze Gate Valve (Screwed Ends), Class-1

Features

Screwed in Bonnet, Inside Screw, Non Rising Stem, Integral Seat, Handwheel operated.
Screwed female parallel threads to IS-554
Product Standard : IS-778

Test Pressure

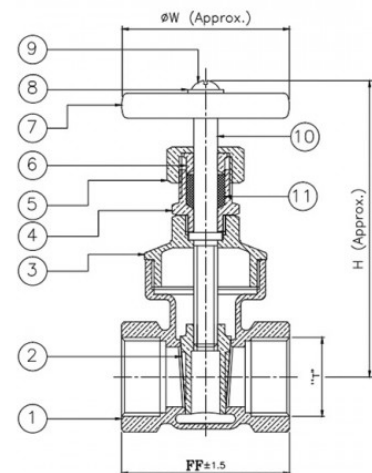
Body - 1.5 MPa (Hyd.)
Seat - 1.0 MPa (Hyd.)
Max. Working Pressure : 1.0 MPa (Hyd.)
Max. Working Temp. : Upto 45°C
Testing Standard : IS-778

Suitability

Water, Oil

Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------|-------------------|---|
| 1 | Body | Bronze | IS 318 Gr. LTB2 / BSEN 1982 Gr. CC491K |
| 2 | Wedge | Bronze | IS 318 Gr. LTB2 / BSEN 1982 Gr. CC491K |
| 3 | Bonnet | Bronze | IS 318 Gr. LTB2 / BSEN 1982 Gr. CC491K |
| 4 | Stuffing Box | Bronze | IS 318 Gr. LTB2 / BSEN 1982 Gr. CC491K |
| 5 | Gland Nut | Bronze | IS 318 Gr. LTB2 / BSEN 1982 Gr. CC491K |
| 6 | Gland | Bronze / Brass | IS 318 Gr. LTB2 / BSEN 1982 Gr. CC491K |
| 7 | Handwheel | Cast Iron / Steel | BS 1561 Gr. GJL 200 / IS 210 Gr. FG 200 / - |
| 8 | Washer | Carbon Steel | - |
| 9 | Screw | Carbon Steel | - |
| 10 | Stem | H.T. Brass | IS 6912 / IS 320 |
| 11 | Packing | Asbestos | - |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | ØW | T |
|-------------------|---------|-----|-----|--------|
| 15 | 60 | 100 | 53 | 1/2" |
| 20 | 60 | 110 | 58 | 3/4" |
| 25 | 70 | 130 | 67 | 1" |
| 32 | 80 | 144 | 79 | 1.1/4" |
| 40 | 90 | 160 | 87 | 1.1/2" |
| 50 | 100 | 175 | 98 | 2" |
| 65 | 105 | 222 | 104 | 2.1/2" |
| 80 | 125 | 248 | 140 | 3" |
| 100 | 160 | 310 | 183 | 4" |



AV-103 Gun Metal Gate Valve (Flanged Ends), Class 1

Features

Screwed in bonnet, Inside screw, Non-Rising stem
Flanged ends as per IS 778, Class 1
Product Standard : IS-778

Test Pressure

Body : 1.5 MPa (Hyd.)
Seat : 1.0 MPa (Hyd.)
Max. Working Pressure : 1.0 MPa (Hyd.)
Max. Working Temp. : Upto 45°C
Testing Standard : IS-778

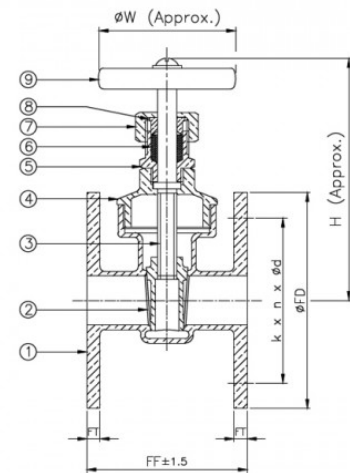
Suitability

Water, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|-----------------|------------------|--|
| 1 | Body | Bronze | BSEN 1982 Gr. CC491K / IS 318 Gr. LTB2 |
| 2 | Wedge | Bronze | BSEN 1982 Gr. CC491K / IS 318 Gr. LTB2 |
| 3 | Stem | H.T. Brass | IS 6912 GR. FLB |
| 4 | Stem Nut | Bronze | BSEN 1982 Gr. CC491K / IS 318 Gr. LTB2 |
| 5 | Bonnet | Bronze | BSEN 1982 Gr. CC491K / IS 318 Gr. LTB2 |
| 6 | Check Nut | Bronze | BSEN 1982 Gr. CC491K / IS 318 Gr. LTB2 |
| 7 | Packing | PTFE | |
| 8 | Gland Follower | Bronze | BSEN 1982 Gr. CC491K / IS 318 Gr. LTB2 |
| 9 | Gland Nut | Bronze | BSEN 1982 Gr. CC491K / IS 318 Gr. LTB2 |
| 10 | Indicator | Bronze | BSEN 1982 Gr. CC491K / IS 318 Gr. LTB2 |
| 11 | Indicator Plate | Brass Sheet | - |
| 12 | Handwheel | C.I. / S.G. Iron | - |
| 13 | Locking Rod | M.S. | Galvanised |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | ØW | ØFD | FT +1.5 | k | Ød | n |
|-------------------|---------|-----|-----|----------|---------|-----|----|---|
| 15 | 72 | 126 | 53 | 95 ±1 | 6 | 65 | 14 | 4 |
| 20 | 76 | 145 | 60 | 105 ±1 | 6 | 75 | 14 | 4 |
| 25 | 90 | 163 | 70 | 115 ±1 | 8 | 85 | 14 | 4 |
| 32 | 100 | 176 | 80 | 140 ±1 | 8 | 100 | 18 | 4 |
| 40 | 110 | 182 | 87 | 150 ±1 | 9 | 110 | 18 | 4 |
| 50 | 120 | 215 | 98 | 165 ±1 | 11 | 125 | 18 | 4 |
| 65 | 140 | 225 | 104 | 185 ±1 | 13 | 145 | 18 | 4 |
| 80 | 150 | 295 | 140 | 200 ±1 | 13 | 160 | 18 | 8 |
| 100 | 190 | 355 | 183 | 220 ±1.5 | 16 | 180 | 18 | 8 |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



AV-104 Bronze Globe Valve (Flanged Ends), Class-1

Features

Screwed in bonnet, Inside screw, Rising stem, Integral Seat, Plug type disc, Flanged ends
Product Standard : IS-778

Test Pressure

Body : 1.5 MPa (Hyd.)
Seat : 1.0 MPa (Hyd.)
Testing Standard : IS-778

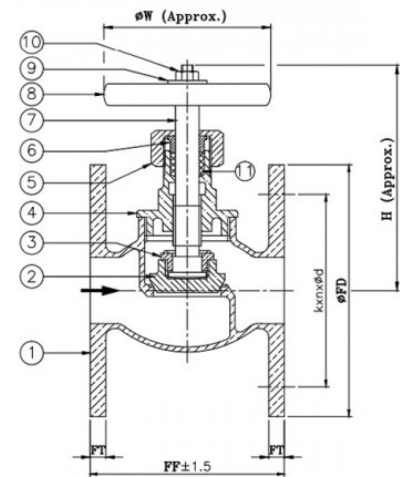
Suitability

Water, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|---------------|---------------------------------------|--|
| 1 | Body | Bronze | BSEN 1982 Gr. CC491K / IS 318 Gr. LTB2 |
| 2 | Disc | Bronze | BSEN 1982 Gr. CC491K / IS 318 Gr. LTB2 |
| 3 | Disc Nut | Bronze | BSEN 1982 Gr. CC491K / IS 318 Gr. LTB2 |
| 4 | Bonnet | Bronze | BSEN 1982 Gr. CC491K / IS 318 Gr. LTB2 |
| 5 | Gland Nut | Bronze / Brass | BSEN 1982 Gr. CC491K / IS 318 Gr. LTB2 / - |
| 6 | Gland | Bronze | BSEN 1982 Gr. CC491K / IS 318 Gr. LTB2 |
| 7 | Stem | H.T. Brass | IS 6912 Gr. FLB |
| 8 | Handwheel | Cast Iron | BS 1561 Gr. GJL 220 / IS 210 Gr. FG 200 |
| 9 | Washer | M.S. | - |
| 10 | Handwheel Nut | Cast Iron | IS 210 Gr. FG 200 |
| 11 | Packing | Graphited Asbestos / Teflon / Nitrile | - |



Dimensional Data

| Nominal Size (mm) | FF ± 1.5 | H | ϕW | ϕFD | FT+1.5 | k | n | ϕd |
|-------------------|--------------|-----|----------|---------------|--------|-----|---|----------|
| 15 | 75 | 95 | 53 | 95 ± 1 | 6 | 65 | 4 | 14 |
| 20 | 85 | 100 | 58 | 105 ± 1 | 6 | 75 | 4 | 14 |
| 25 | 95 | 105 | 67 | 115 ± 1 | 8 | 85 | 4 | 14 |
| 32 | 110 | 130 | 79 | 140 ± 1 | 8 | 100 | 4 | 18 |
| 40 | 120 | 135 | 87 | 150 ± 1 | 9 | 110 | 4 | 18 |
| 50 | 145 | 160 | 98 | 165 ± 1 | 11 | 125 | 4 | 18 |
| 65 | 165 | 175 | 104 | 185 ± 1 | 13 | 145 | 4 | 18 |
| 80 | 185 | 215 | 140 | 200 ± 1 | 13 | 160 | 8 | 18 |
| 100 | 216 | 260 | 183 | 220 ± 1.5 | 16 | 180 | 8 | 18 |

k - P.C.D; n - Number of Holes; ϕd - Diameter of Holes



AV-105 Bronze Globe Valve (Screwed Ends) Class-1

Features

Screwed in Bonnet, Inside Screw, Rising Stem, Integral Seat, Screwed Ends
Product Standard : IS-778

Test Pressure

Body - 1.5 MPa (Hyd.)
Seat - 1.0 MPa (Hyd.)
Max. Working Pressure : 1.0 MPa (Hyd.)
Max. Working Temp. : Upto 45°C
Testing Standard : IS-778

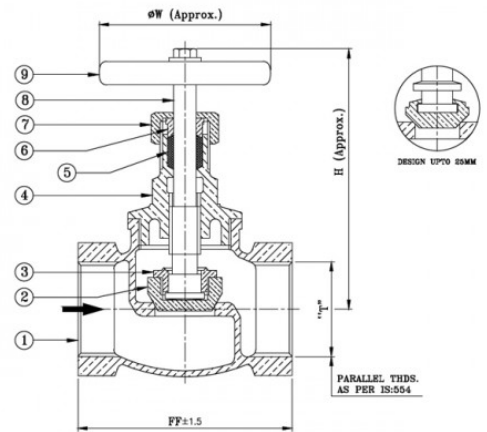
Suitability

Water, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------|------------------------|------------------------------------|
| 1 | Body | Bronze | IS 318 Gr. LTB2 |
| 2 | Disc | Bronze | IS 318 Gr. LTB2 |
| 3 | Disc Nut | Bronze | IS 318 Gr. LTB2 |
| 4 | Bonnet | Bronze | IS 318 Gr. LTB2 |
| 5 | Packing | Hump & Jute / Asbestos | IS 5414 / IS 4687 |
| 6 | Gland | Bronze / Brass Rod | IS 318 Gr. LTB2 / IS 319 Type I/II |
| 7 | Gland Nut | Bronze | IS 318 Gr. LTB2 |
| 8 | Stem | H.T. Brass | IS 6912 / IS 320 |
| 9 | Handwheel | Cast Iron / Steel | IS 210 Gr. FG 200 / - |



Dimensional Data

| Nominal Size (mm) | FF ± 1.5 | H | ϕW | T |
|-------------------|--------------|-----|----------|--------|
| 15 | 60 | 95 | 53 | 1/2" |
| 20 | 70 | 100 | 58 | 3/4" |
| 25 | 80 | 105 | 67 | 1" |
| 32 | 95 | 130 | 79 | 1.1/4" |
| 40 | 110 | 135 | 87 | 1.1/2" |
| 50 | 125 | 160 | 98 | 2" |
| 65 | 160 | 175 | 104 | 2.1/2" |
| 80 | 180 | 215 | 140 | 3" |
| 100 | 216 | 260 | 183 | 4" |



AV-106 Gun Metal Horizontal Lift Check Valve (Screwed Ends), Class 1

Features

Screwed in cover, Guided disc
 Screwed female parallel threads as per IS 554
 Product Standard : IS-778

Test Pressure

Body : 1.5 MPa (Hyd.)
 Seat : 1.0 MPa (Hyd.)
 Max. Working Pressure : 1.0 MPa (Hyd.)
 Max. Working Temp. : Upto 45°C
 Testing Standard : IS-778

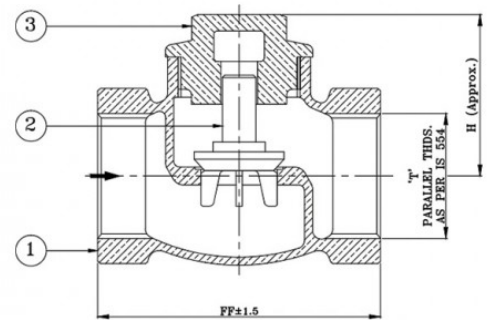
Suitability

Water, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------|-----------|--|
| 1 | Body | Gun Metal | BSEN 1982 Gr. CC491K / IS 318 Gr. LTB2 |
| 2 | Disc | Gun Metal | BSEN 1982 Gr. CC491K / IS 318 Gr. LTB2 |
| 3 | Cover | Gun Metal | BSEN 1982 Gr. CC491K / IS 318 Gr. LTB2 |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | T | H |
|-------------------|---------|--------|-----|
| 15 | 60 | 1/2" | 42 |
| 20 | 70 | 3/4" | 47 |
| 25 | 80 | 1" | 55 |
| 32 | 95 | 1.1/4" | 62 |
| 40 | 110 | 1.1/2" | 65 |
| 50 | 125 | 2" | 85 |
| 65 | 160 | 2.1/2" | 95 |
| 80 | 180 | 3" | 105 |
| 100 | 216 | 4" | 132 |



AV-107 Bronze Horizontal Lift Check Valve (Flanged End), Class-1

Features

Screwed in Cover, Integral Seat, Guided Disc, Flanged Ends.
Product Standard : IS-778

Test Pressure

Body - 1.5 MPa (Hyd.)
Seat - 1.0 MPa (Hyd.)
Max. Working Pressure : 1.0 MPa (Hyd.)
Max. Working Temp. : Upto 45°C
Testing Standard : IS-778

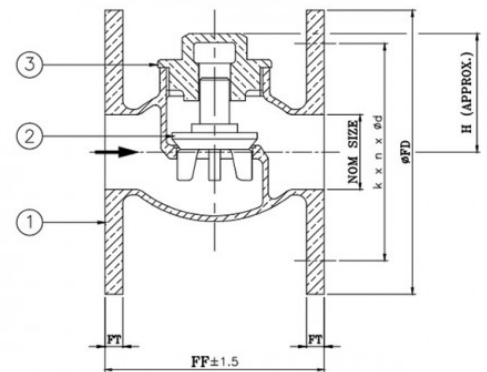
Suitability

Water, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|-------------------------|----------|--|
| 1 | Body | Bronze | BSEN 1982 Gr. CC491K / IS 318 Gr. LTB2 |
| 2 | Disc (Plug Type Guided) | Bronze | BSEN 1982 Gr. CC491K / IS 318 Gr. LTB2 |
| 3 | Cover | Bronze | BSEN 1982 Gr. CC491K / IS 318 Gr. LTB2 |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | ØFD | FT | k | n | Ød |
|-------------------|---------|-----|----------|----|-----|---|----|
| 15 | 75 | 42 | 95 ±1 | 6 | 65 | 4 | 14 |
| 20 | 85 | 47 | 105 ±1 | 6 | 75 | 4 | 14 |
| 25 | 95 | 55 | 115 ±1 | 8 | 85 | 4 | 14 |
| 32 | 110 | 62 | 140 ±1 | 8 | 100 | 4 | 18 |
| 40 | 120 | 65 | 150 ±1 | 9 | 110 | 4 | 18 |
| 50 | 145 | 85 | 165 ±1 | 11 | 125 | 4 | 18 |
| 65 | 165 | 95 | 185 ±1 | 13 | 145 | 4 | 18 |
| 80 | 185 | 105 | 200 ±1 | 13 | 160 | 8 | 18 |
| 100 | 216 | 140 | 220 ±1.5 | 16 | 180 | 8 | 18 |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



AV-110 Bronze Gate Valve, PN 16

Features

Screwed in Bonnet, Inside Screw, Rising Stem, Without Yoke.
Screwed N.P.T. Threads as per ASME B1.20.1

Test Pressure

Body - 24 Bar (Hyd.)
Seat - 16 Bar (Hyd.)

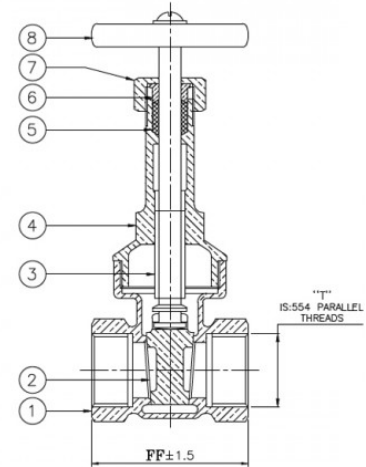
Suitability

Water, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------|----------|---------------|
| 1 | Body | Bronze | ASTM B61 |
| 2 | Wedge | Bronze | ASTM B61 |
| 3 | Stem | Bronze | ASTM B371 |
| 4 | Bonnet | Bronze | ASTM B61 |
| 5 | Packing | Graphite | - |
| 6 | Gland | Bronze | ASTM B61 |
| 7 | Gland Nut | Bronze | ASTM B61 |
| 8 | Handwheel | M.I. | - |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | T |
|-------------------|---------|--------|
| 15 | 60 | 1/2" |
| 20 | 60 | 3/4" |
| 25 | 70 | 1 |
| 32 | 80 | 1.1/4" |
| 40 | 90 | 1.1/2" |
| 50 | 100 | 2" |
| 65 | 105 | 2.1/2" |
| 80 | 125 | 3" |
| 100 | 160 | 4" |



AV-111 Gun Metal Gate Valve (Screwed Ends), Class-2

Features

Screwed in bonnet, Inside screw, Non-Rising stem
Screwed female ends as per IS 554
Product Standard : IS-778

Test Pressure

Body : 2.4 MPa (Hyd.)
Seat & Back Seat : 1.6 MPa (Hyd.)
Working Pressure : 1.6 MPa Upto 45°C
Testing Standard : IS-778

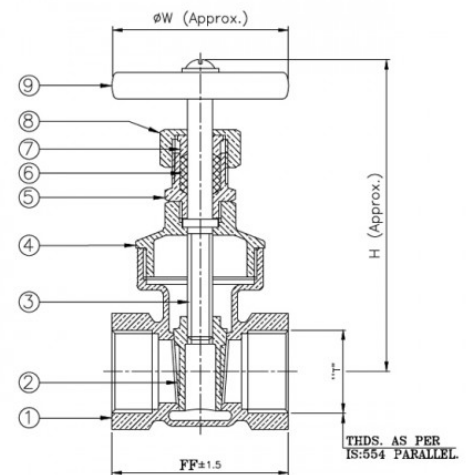
Suitability

Water, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------|-------------------|--|
| 1 | Body | Gun Metal | BSEN 1982 Gr. CC491K / IS 318 Gr. LTB2 |
| 2 | Wedge | Gun Metal | BSEN 1982 Gr. CC491K / IS 318 Gr. LTB2 |
| 3 | Stem | H.T. Brass | IS 6912/ IS 320 |
| 4 | Bonnet | Gun Metal | BSEN 1982 Gr. CC491K / IS 318 Gr. LTB2 |
| 5 | Stuffing Box | Gun Metal | BSEN 1982 Gr. CC491K / IS 318 Gr. LTB2 |
| 6 | Packing | Asbestos | - |
| 7 | Gland | Gun Metal | BSEN 1982 Gr. CC491K / IS 318 Gr. LTB2 |
| 8 | Gland Nut | Gun Metal | BSEN 1982 Gr. CC491K / IS 318 Gr. LTB2 |
| 9 | Handwheel | Cast Iron / Steel | IS 210 Gr. FG 200 |



Dimensional Data

| Nominal Size (mm) | FF ± 1.5 | H | ϕW | T |
|-------------------|--------------|-----|----------|--------|
| 15 | 60 | 100 | 53 | 1/2" |
| 20 | 60 | 110 | 58 | 3/4" |
| 25 | 70 | 130 | 67 | 1" |
| 32 | 80 | 144 | 79 | 1.1/4" |
| 40 | 90 | 162 | 87 | 1.1/2" |
| 50 | 100 | 175 | 98 | 2" |
| 65 | 105 | 222 | 104 | 2.1/2" |
| 80 | 125 | 248 | 140 | 3" |
| 100 | 160 | 310 | 183 | 4" |



AV-112 Gun Metal Gate Valve, Class-2

Features

Screwed in Bonnet, Inside Screw, Non Rising Stem
Flanges as per IS-778
Product Standard : IS-778

Test Pressure

Body - 2.4 MPa (Hyd.)
Seat - 1.6 MPa (Hyd.)
Max. Working Pressure : 1.6 MPa (Hyd.)
Max. Working Temp. : Upto 45°C
Testing Standard : IS-778

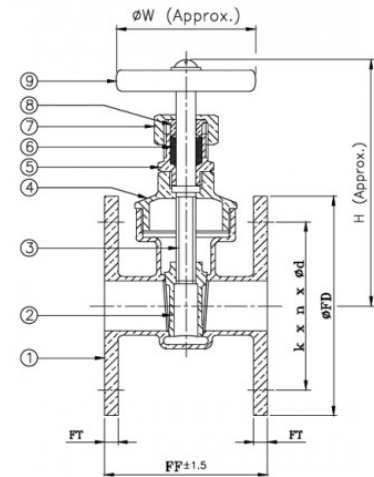
Suitability

Water, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------|------------------------|---|
| 1 | Body | Bronze | BSEN 1982 Gr. CC491K / IS 318 Gr. LTB2 |
| 2 | Wedge | Bronze | BSEN 1982 Gr. CC491K / IS 318 Gr. LTB2 |
| 3 | Stem | H.T. Brass | IS 6912 / IS 320 |
| 4 | Bonnet | Bronze | BSEN 1982 Gr. CC491K / IS 318 Gr. LTB2 |
| 5 | Stuffing Box | Bronze | BSEN 1982 Gr. CC491K / IS 318 Gr. LTB2 |
| 6 | Packing | Hump & Jute / Asbestos | IS 5414 / IS 4687 |
| 7 | Gland Nut | Bronze | BSEN 1982 Gr. CC491K / IS 318 Gr. LTB2 |
| 8 | Gland | Bronze | BSEN 1982 Gr. CC491K / IS 318 Gr. LTB2 |
| 9 | Handwheel | Cast Iron / Steel | BS 1561 Gr. GJL200 / IS 210 Gr. FG200 / - |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | øW | øFD | FT | k | n | ød |
|-------------------|---------|-----|-----|----------|----|-----|---|----|
| 15 | 72 | 100 | 53 | 95 ±1 | 6 | 65 | 4 | 14 |
| 20 | 76 | 110 | 60 | 105 ±1 | 6 | 75 | 4 | 14 |
| 25 | 90 | 130 | 70 | 115 ±1 | 8 | 85 | 4 | 14 |
| 32 | 100 | 144 | 80 | 140 ±1 | 8 | 100 | 4 | 18 |
| 40 | 110 | 160 | 87 | 150 ±1 | 9 | 110 | 4 | 18 |
| 50 | 120 | 175 | 98 | 165 ±1 | 11 | 125 | 4 | 18 |
| 65 | 140 | 222 | 104 | 185 ±1 | 13 | 145 | 4 | 18 |
| 80 | 150 | 248 | 140 | 200 ±1 | 13 | 160 | 8 | 18 |
| 100 | 190 | 310 | 183 | 220 ±1.5 | 16 | 180 | 8 | 18 |

k - P.C.D; n - Number of Holes; ød - Diameter of Holes



AV-113 Bronze Globe Valve (Flanged End), Class-2

Features

Screwed in Bonnet, Inside Screw, Rising Stem, Integral Seat, Plug Type Disc, Flanged Ends
Product Standard : IS-778

Test Pressure

Body - 2.4 MPa (Hyd.)
Seat - 1.6 MPa (Hyd.)
Max. Working Pressure : 1.6 MPa (Hyd.)
Max. Working Temp. : Upto 45°C
Testing Standard : IS-778

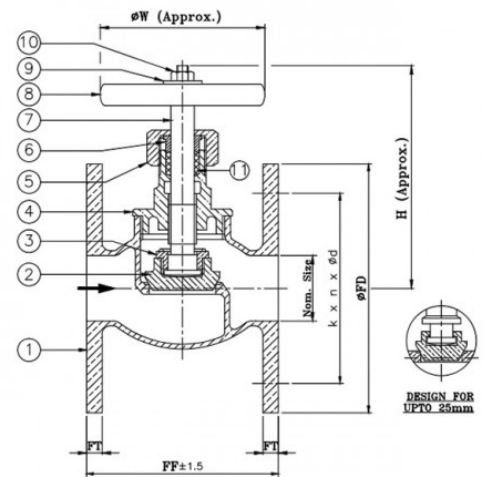
Suitability

Water, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|---------------|--------------------|--|
| 1 | Body | Bronze | BSEN 1982 Gr. CC491K / IS 318 Gr. LTB2 |
| 2 | Disc | Bronze | BSEN 1982 Gr. CC491K / IS 318 Gr. LTB2 |
| 3 | Disc Nut | Bronze | BSEN 1982 Gr. CC491K / IS 318 Gr. LTB2 |
| 4 | Bonnet | Bronze | BSEN 1982 Gr. CC491K / IS 318 Gr. LTB2 |
| 5 | Gland Nut | Bronze / Brass | BSEN 1982 Gr. CC491K / IS 318 Gr. LTB2 / - |
| 6 | Gland | Bronze | BSEN 1982 Gr. CC491K / IS 318 Gr. LTB2 |
| 7 | Stem | H.T. Brass | IS 6912/ IS-320 |
| 8 | Handwheel | Cast Iron | BS 1561 Gr. GJL 200 / IS 210 Gr. FG 200 |
| 9 | Washer | Carbon Steel | - |
| 10 | Handwheel Nut | Carbon Steel | - |
| 11 | Packing | Graphited Asbestos | - |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | ØW | ØFD | FT | k | n | Ød |
|-------------------|---------|-----|-----|----------|----|-----|---|----|
| 15 | 75 | 95 | 53 | 95 ±1 | 6 | 65 | 4 | 14 |
| 20 | 85 | 100 | 58 | 105 ±1 | 6 | 75 | 4 | 14 |
| 25 | 95 | 105 | 67 | 115 ±1 | 8 | 85 | 4 | 14 |
| 32 | 110 | 130 | 79 | 140 ±1 | 8 | 100 | 4 | 18 |
| 40 | 120 | 135 | 87 | 150 ±1 | 9 | 110 | 4 | 18 |
| 50 | 145 | 160 | 98 | 165 ±1 | 11 | 125 | 4 | 18 |
| 65 | 165 | 175 | 104 | 185 ±1 | 13 | 145 | 4 | 18 |
| 80 | 185 | 215 | 140 | 200 ±1 | 13 | 160 | 8 | 18 |
| 100 | 216 | 260 | 183 | 220 ±1.5 | 16 | 180 | 8 | 18 |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



AV-114 Bronze Globe Valve (Screwed Ends), Class-2

Features

Screwed in Bonnet, Inside Screw, Rising Stem, Integral Seat, Screwed Ends
Product Standard : IS-778

Test Pressure

Body : 2.4 MPa (Hyd.)
Seat : 1.6 MPa (Hyd.)
Max. Working Pressure : 1.6 MPa (Hyd.)
Max. Working Temp. : Upto 45°C
Testing Standard : IS-778

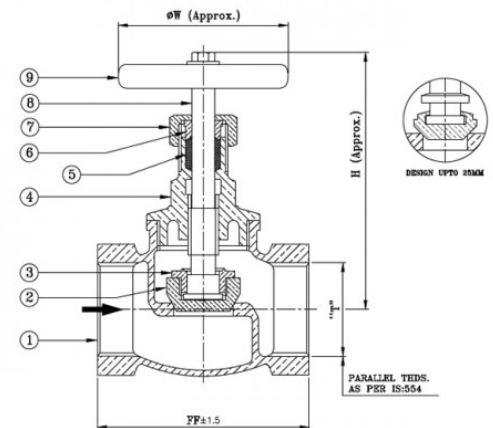
Suitability

Water, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------|-----------------------|------------------------------------|
| 1 | Body | Bronze | IS 318 Gr. LTB 2 |
| 2 | Disc | Bronze | IS 318 Gr. LTB 2 |
| 3 | Disc Nut | Bronze | IS 318 Gr. LTB 2 |
| 4 | Bonnet | Bronze | IS 318 Gr. LTB 2 |
| 5 | Packing | Hemp & Jute/ Asbestos | IS 5414 / IS 4887 |
| 6 | Gland | Bronze /Brass Rod | IS 318 Gr. LTB2 / IS 319 Type I/II |
| 7 | Gland Nut | Bronze | IS 318 Gr. LTB 2 |
| 8 | Stem | H.T. Brass | IS 6912 / IS 320 |
| 9 | Handwheel | Cast Iron / Steel | IS 210 Gr. FG 200 / - |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | T | ØW |
|-------------------|---------|-----|--------|-----|
| 15 | 60 | 95 | 1/2" | 53 |
| 20 | 70 | 100 | 3/4" | 58 |
| 25 | 80 | 105 | 1" | 67 |
| 32 | 95 | 130 | 1 1/4" | 79 |
| 40 | 110 | 135 | 1 1/2" | 87 |
| 50 | 125 | 160 | 2" | 98 |
| 65 | 160 | 175 | 2 1/2" | 104 |
| 80 | 180 | 215 | 3" | 140 |
| 100 | 216 | 260 | 4" | 183 |



AV-115 Bronze Horizontal Lift Check Valve (Screwed Ends), Class-2

Features

Screwed in cover, Guided disc
Screwed female parallel threads to IS 554
Product Standard : IS-778

Test Pressure

Body : 2.4 MPa (Hyd.)
Seat : 1.6 MPa (Hyd.)
Max. Working Pressure : 1.6 MPa (Hyd.)
Max. Working Temp. : Upto 45°C
Testing Standard : IS-778

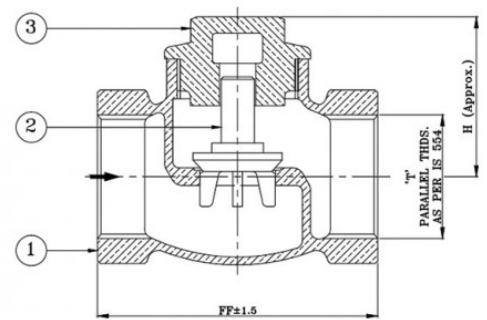


Suitability

Water, Oil

Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------|----------|---|
| 1 | Body | Bronze | BSEN 1982 Gr. CC 491K / IS 318 Gr. LTB2 |
| 2 | Disc | Bronze | BSEN 1982 Gr. CC 491K / IS 318 Gr. LTB2 |
| 3 | Cover | Bronze | BSEN 1982 Gr. CC 491K / IS 318 Gr. LTB2 |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | T | H |
|-------------------|---------|--------|-----|
| 15 | 60 | 1/2" | 40 |
| 20 | 70 | 3/4" | 47 |
| 25 | 80 | 1" | 55 |
| 32 | 95 | 1.1/4" | 60 |
| 40 | 110 | 1.1/2" | 65 |
| 50 | 125 | 2" | 80 |
| 65 | 160 | 2.1/2" | 90 |
| 80 | 180 | 3" | 100 |
| 100 | 216 | 4" | 130 |



AV-116 Bronze Horizontal Lift Check Valve (Flanged Ends), Class-2

Features

Screwed in Cover, Integral Seat, Plug Type Guided Disc, Flanged Ends
Product Standard : IS-778

Test Pressure

Body - 2.4 MPa (Hyd.)
Seat - 1.6 MPa (Hyd.)
Max. Working Pressure : 1.6 MPa (Hyd.)
Max. Working Temp. : Upto 45°C
Testing Standard : IS-778

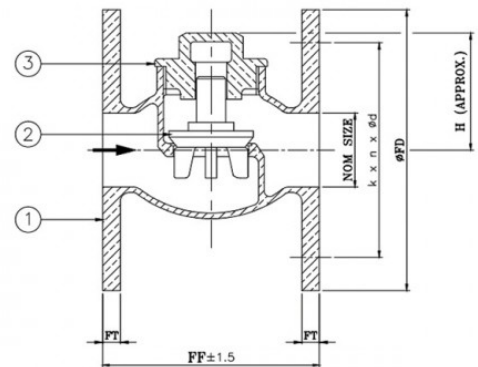
Suitability

Water, Oil



Material Combination

| P.No. | Name of Part | Material | Specification | Nos. |
|-------|-------------------------|----------|--|------|
| 1 | Body | Bronze | BSEN 1982 Gr. CC491K / IS 318 Gr. LTB2 | 1 |
| 2 | Disc (Plug Type Guided) | Bronze | BSEN 1982 Gr. CC491K / IS 318 Gr. LTB2 | 1 |
| 3 | Cover | Bronze | BSEN 1982 Gr. CC491K / IS 318 Gr. LTB2 | 1 |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | ØFD | FT | k | n | Ød |
|-------------------|---------|-----|----------|----|-----|---|----|
| 15 | 75 | 42 | 95 ±1 | 6 | 65 | 4 | 14 |
| 20 | 85 | 47 | 105 ±1 | 6 | 75 | 4 | 14 |
| 25 | 95 | 55 | 115 ±1 | 8 | 85 | 4 | 14 |
| 32 | 110 | 62 | 140 ±1 | 8 | 100 | 4 | 18 |
| 40 | 120 | 65 | 150 ±1 | 9 | 110 | 4 | 18 |
| 50 | 145 | 85 | 165 ±1 | 11 | 125 | 4 | 18 |
| 65 | 165 | 95 | 185 ±1 | 13 | 145 | 4 | 18 |
| 80 | 185 | 105 | 200 ±1 | 13 | 160 | 8 | 18 |
| 100 | 216 | 140 | 220 ±1.5 | 16 | 180 | 8 | 18 |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



AV-117 Cast Iron Sluice Valve, PN 1.0

Features

Bolted Bonnet, Inside Screw, Non-Rising Stem
As per IS 14846, Table-2 PN 1.0
Flanged as per IS 1538 (Drilled), Table-4

Test Pressure

Body - 1.5 MPa (Hyd.)
Seat - 1.0 MPa (Hyd.)

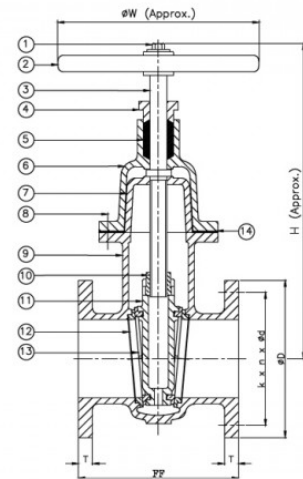
Suitability

Water, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|---------------------------------|----------------------|--|
| 1 | Screw | Carbon Steel | IS 1363 |
| 2 | Handwheel / Cap | Cast Iron | IS 210 Gr. FG 200 |
| 3 | Stem | Stainless Steel | IS 6603 Gr. 12 Cr. 12 / IS 6604 Gr. 04 CR.19NI09 |
| 4 | Gland | Cast Iron | IS 210 Gr. FG 200 |
| 5 | Gland Packing | Hemp & Jute / Rubber | IS 5414 / IS 638 Type B |
| 6 | Bonnet | Cast Iron | IS 210 Gr. FG 200 |
| 7 | Thrust Plate (If Any) | Cast Iron | IS 210 Gr. FG 200 |
| 8 | Bolts / Nuts | Carbon Steel | IS 1363 Part 1 / IS 1363 Part 3 |
| 9 | Body | Cast Iron | IS 210 Gr. FG 200 |
| 10 | Wedge Nut | Leaded Tin Bronze | IS 318 Gr. LTB2 |
| 11 | Wedge | Cast Iron | IS 210 Gr. FG 200 |
| 12 | Body Seat Ring | Leaded Tin Bronze | IS 318 Gr. LTB2 |
| 13 | Wedge Ring | Leaded Tin Bronze | IS 318 Gr. LTB2 |
| 14 | Gasket | Rubber | IS 638 Type B |
| 15 | T-Head Bolts / Nuts (Not Shown) | Carbon Steel | IS 1363 Part 1 / IS 1363 Part 3 |



Dimensional Data

| Nominal Size (mm) | FF | øW | H | øD | T | K | n | ød |
|-------------------|--------|-----|------|-----|------|-----|----|----|
| 50 | 178 ±2 | 225 | 365 | 165 | 16 | 125 | 4 | 19 |
| 65 | 190 ±2 | 225 | 380 | 185 | 16 | 145 | 4 | 19 |
| 80 | 203 ±2 | 225 | 425 | 200 | 21 | 160 | 4 | 19 |
| 100 | 229 ±2 | 320 | 470 | 220 | 22 | 180 | 8 | 19 |
| 125 | 254 ±2 | 320 | 485 | 250 | 22.5 | 210 | 8 | 19 |
| 150 | 267 ±2 | 320 | 595 | 285 | 23 | 240 | 8 | 23 |
| 200 | 292 ±2 | 360 | 725 | 340 | 24.5 | 295 | 8 | 23 |
| 250 | 330 ±3 | 400 | 835 | 395 | 26 | 350 | 12 | 23 |
| 300 | 356 ±3 | 400 | 910 | 445 | 27.5 | 400 | 12 | 23 |
| 350 | 381 ±3 | 500 | 1020 | 505 | 29 | 460 | 16 | 23 |
| 400 | 406 ±3 | 640 | 1110 | 565 | 30 | 515 | 16 | 28 |
| 450 | 432 ±3 | 720 | 1200 | 720 | 30 | 515 | 16 | 28 |
| 500 | 457 ±3 | 720 | 1300 | 720 | 30 | 515 | 16 | 28 |



| Nominal Size (mm) | FF | øW | H | øD | T | K | n | ød |
|--------------------------|-----------|-----------|----------|-----------|----------|----------|----------|-----------|
| 600 | 508 ±3 | 720 | 1500 | 720 | 30 | 515 | 16 | 28 |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes

NOTE : 1. Tolerance on flange as per IS-1538

2. 350 mm & above sizes can be supplied with Gear.



AV-117A Cast Iron Sluice Valve (Flanged Ends), PN 1.6

Features

Bolted Bonnet, Inside Screw, Non-Rising stem as per IS 14846, Table-3, PN-1.6
 Flanged ends as per IS-1538 (Drilled), Table-5
 Product Standard : IS-14846

Test Pressure

Body : 2.4 MPa (Hyd.)
 Seat : 1.6 MPa (Hyd.)

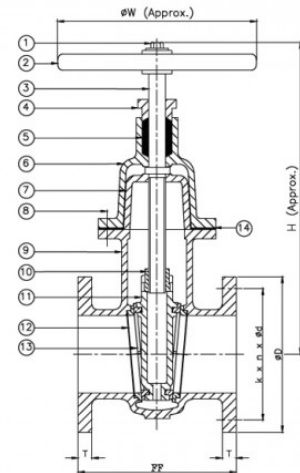
Suitability

Water, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|---------------------------------|----------------------|---|
| 1 | Screw | Carbon Steel | IS 1363 |
| 2 | Handwheel / Cap | Cast Iron | IS 210 Gr. FG 200 |
| 3 | Stem | Stainless Steel | IS 6603 Gr. 12CR.12 / IS 6604 Gr. 04 CR. 19NI09 |
| 4 | Gland | Cast Iron | IS 210 Gr. FG 200 |
| 5 | Gland Packing | Hemp & Jute / Rubber | IS 5414 / IS 638 Type B |
| 6 | Bonnet | Cast Iron | IS 210 Gr. FG 200 |
| 7 | Thrust Plate (If Any) | Cast Iron | IS 210 Gr. FG 200 |
| 8 | Bolts / Nuts | Carbon Steel | IS 1363 Part 1 / IS 1363 Part 3 |
| 9 | Body | Cast Iron | IS 210 Gr. FG 200 |
| 10 | Wedge Nut | Leaded Tin Bronze | IS 318 Gr. LTB2 |
| 11 | Wedge | Cast Iron | IS 210 Gr. FG 200 |
| 12 | Body Seat Ring | Leaded Tin Bronze | IS 318 Gr. LTB2 |
| 13 | Wedge Ring | Leaded Tin Bronze | IS 318 Gr. LTB2 |
| 14 | Gasket | Rubber | IS 638 Type B |
| 15 | T-Head Bolts / Nuts (Not Shown) | Carbon Steel | IS 1363 Part 1 / IS 1363 Part 3 |



Dimensional Data

| Nominal Size (mm) | FF | ϕW | H | ϕD | T | k | n | ϕd |
|-------------------|---------|----------|------|----------|------|---------|----|----------|
| 50 | 178 ± 2 | 280 | 365 | 165 | 16 | 125 ± 1 | 4 | 19 |
| 65 | 190 ± 2 | 280 | 380 | 185 | 16 | 145 ± 1 | 4 | 19 |
| 80 | 203 ± 2 | 280 | 425 | 200 | 21 | 160 ± 2 | 4 | 19 |
| 100 | 229 ± 2 | 360 | 470 | 220 | 22 | 180 ± 2 | 8 | 19 |
| 125 | 254 ± 2 | 360 | 485 | 250 | 22.5 | 210 ± 2 | 8 | 19 |
| 150 | 267 ± 2 | 360 | 595 | 285 | 23 | 240 ± 2 | 8 | 23 |
| 200 | 292 ± 2 | 450 | 725 | 340 | 24.5 | 295 ± 2 | 8 | 23 |
| 250 | 330 ± 3 | 640 | 835 | 395 | 26 | 350 ± 2 | 12 | 23 |
| 300 | 356 ± 3 | 640 | 910 | 445 | 27.5 | 400 ± 2 | 12 | 23 |
| 350 | 381 ± 3 | 640 | 1030 | 505 | 29 | 460 ± 2 | 16 | 23 |
| 400 | 406 ± 3 | 730 | 1110 | 565 | 30 | 515 ± 2 | 16 | 28 |
| 450 | 432 ± 3 | 800 | 1210 | 615 | 31.5 | 565 ± 2 | 20 | 28 |
| 500 | 457 ± 3 | 800 | 1340 | 670 | 33 | 620 ± 2 | 20 | 28 |



| Nominal Size (mm) | FF | øW | H | øD | T | k | n | ød |
|--------------------------|-----------|-----------|----------|-----------|----------|----------|----------|-----------|
| 600 | 508 ± 3 | 800 | 1500 | 780 | 36 | 725 ± 2 | 20 | 31 |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes

NOTE : 1. Tolerance on flange as per IS-1538

2. 350 mm & above sizes can be supplied with Gear.



AV-118 Cast Iron Gate Valve (Flanged Ends), PN 1

Features

Yoke Type, Outside Screw, Rising Stem
 Flanges as per IS-1538
 Product Standard : BSEN 1171

Test Pressure

Body : 1.5 MPa (Hyd.)
 Seat : 1.0 MPa (Hyd.)
 Testing Standard : BESN 12266 Part-1

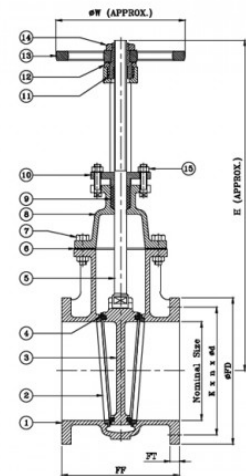
Suitability

Water, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|-----------------------------|--------------------------|---|
| 1 | Body | Cast Iron | IS 210 Gr. FG 200 / BSEN 1561 Gr. GJL-200 |
| 2 | Body Seat Ring | Gun Metal | IS 318 Gr. LTB2 / BSEN 1982 Gr. CC491K |
| 3 | Wedge | Cast Iron | IS 210 Gr. FG 200 / BSEN 1561 Gr. GJL-200 |
| 4 | Wedge Ring | Gun Metal | IS 318 Gr. LTB2 / BSEN 1982 Gr. CC491K |
| 5 | Stem | Stainless Steel | ASTM A276 Type 410 |
| 6 | Gasket | C.A.F. | - |
| 7 | Body/Bonnet/Bolts & Nuts | Carbon Steel | - |
| 8 | Bonnet | Cast Iron | IS 210 Gr. FG 200 / BSEN 1561 Gr. GJL-200 |
| 9 | Gland Packing | Hemp. & Jute / Asbestos | IS 4687 |
| 10 | Gland Flange | Cast Iron | IS 210 Gr. FG 200 / BSEN 1561 Gr. GJL-200 |
| 11 | Yoke Sleeve | Bronze / Stainless Steel | ASTM A582 Type 416 |
| 12 | Yoke Sleeve Nut | Carbon Steel | - |
| 13 | Handwheel | M.I. / Cast Iron | - |
| 14 | Handwheel Retaining Nut | Carbon Steel | - |
| 15 | Gland Flange T-Bolts & Nuts | Carbon Steel | - |



Dimensional Data

| Nominal Size (mm) | FF | øW | H | øFD | FT | k | n | ød |
|-------------------|--------|-----|------|-----|------|-----|----|----|
| 50 | 178 ±2 | 225 | 320 | 165 | 16 | 125 | 4 | 19 |
| 65 | 190 ±2 | 225 | 375 | 185 | 16 | 145 | 4 | 19 |
| 80 | 203 ±2 | 225 | 422 | 200 | 21 | 160 | 4 | 19 |
| 100 | 229 ±2 | 320 | 490 | 220 | 22 | 180 | 8 | 19 |
| 125 | 254 ±2 | 320 | 560 | 250 | 22.5 | 210 | 8 | 19 |
| 150 | 267 ±2 | 320 | 640 | 285 | 23 | 240 | 8 | 23 |
| 200 | 292 ±2 | 360 | 782 | 340 | 24.5 | 295 | 8 | 23 |
| 250 | 330 ±3 | 400 | 1040 | 395 | 26 | 350 | 12 | 23 |
| 300 | 356 ±3 | 400 | 1170 | 445 | 27.5 | 400 | 12 | 23 |
| 350 | 381 ±3 | 500 | 1300 | 505 | 29 | 460 | 16 | 23 |
| 400 | 406 ±3 | 640 | 1370 | 565 | 30 | 513 | 16 | 28 |



| Nominal Size (mm) | FF | øW | H | øFD | FT | k | n | ød |
|-------------------|--------|-----|------|-----|------|-----|----|----|
| 450 | 432 ±3 | 720 | 1430 | 615 | 31.5 | 565 | 20 | 28 |
| 500 | 457 ±3 | 720 | 1510 | 670 | 33 | 620 | 20 | 28 |
| 600 | 508 ±3 | 720 | - | 780 | 36 | 725 | 20 | 31 |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes

NOTE : 1. Tolerance on flange as per IS-1538

2. 350 mm & above sizes can be supplied with Gear.



AV-118A Cast Iron Gate Valve (Flanged Ends), PN 1.6

Features

Yoke Type, Outside Screw, Rising Stem
 Flanged ends as per IS-1538
 Product Standard : BSEN-1171

Test Pressure

Body - 2.4 MPa (Hyd.)
 Seat - 1.6 MPa (Hyd.)
 Testing Standard : BESN-12266 Part-1

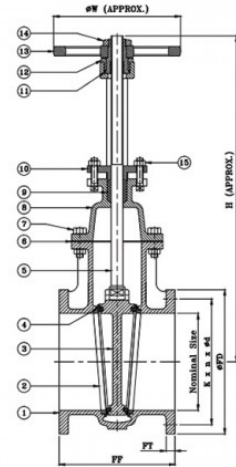
Suitability

Water, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|-------------------------------|--------------------------|---|
| 1 | Body | Cast Iron | IS 210 Gr. FG200 / BSEN 1561 Gr. GJL - 200 |
| 2 | Body Seat Ring | Gun Metal | IS 318 Gr. LTB - 2 / BSEN 1982 Gr. CC 491 K |
| 3 | Wedge | Cast Iron | IS 210 Gr. FG200 / BSEN 1561 Gr. GJL - 200 |
| 4 | Wedge Ring | Gun Metal | IS 318 Gr. LTB - 2 / BSEN 1982 Gr. CC 491 K |
| 5 | Stem | Stainless Steel | ASTM A 276 Type 410 |
| 6 | Gasket | C.A.F | - |
| 7 | Body / Bonnet / Bolts & Nuts | Carbon Steel | - |
| 8 | Bonnet | Cast Iron | IS 210 Gr. FG200 / BSEN 1561 Gr. GJL - 200 |
| 9 | Gland Packing | Hemp. & Jute / Asbestos | IS 4687 |
| 10 | Gland Flange | Cast Iron | IS 210 Gr. FG200 / BSEN 1561 Gr. GJL - 200 |
| 11 | Yoke Sleeve | Bronze / Stainless Steel | ASTM A582 Type 416 |
| 12 | Yoke Sleeve Nut | Carbon Steel | - |
| 13 | Handwheel | M.I. / Cast Iron | - |
| 14 | Handwheel Retaining Nut | Carbon Steel | - |
| 15 | Gland Flange t - Bolts & Nuts | Carbon Steel | - |



Dimensional Data

| Nominal Size (mm) | FF | øW | H | øFD | FT | k | n | ød |
|-------------------|---------|-----|------|-----|------|---------|----|----|
| 50 | 178 ± 2 | 280 | 320 | 165 | 16 | 125 ± 1 | 4 | 19 |
| 65 | 190 ± 2 | 280 | 375 | 185 | 16 | 145 ± 1 | 4 | 19 |
| 80 | 203 ± 2 | 280 | 422 | 200 | 21 | 160 ± 2 | 4 | 19 |
| 100 | 229 ± 2 | 360 | 490 | 220 | 22 | 180 ± 2 | 8 | 19 |
| 125 | 254 ± 2 | 360 | 560 | 250 | 22.5 | 210 ± 2 | 8 | 19 |
| 150 | 267 ± 2 | 360 | 640 | 285 | 23 | 240 ± 2 | 8 | 23 |
| 200 | 292 ± 2 | 450 | 782 | 340 | 24.5 | 295 ± 2 | 8 | 23 |
| 250 | 330 ± 3 | 640 | 1040 | 395 | 26 | 350 ± 2 | 12 | 23 |



| Nominal Size (mm) | FF | øW | H | øFD | FT | k | n | ød |
|-------------------|---------|-----|------|-----|------|---------|----|----|
| 300 | 356 ± 3 | 640 | 1170 | 445 | 27.5 | 400 ± 2 | 12 | 23 |
| 350 | 381 ± 3 | 640 | 1300 | 505 | 29 | 460 ± 2 | 16 | 23 |
| 400 | 406 ± 3 | 730 | 1370 | 565 | 30 | 515 ± 2 | 16 | 28 |
| 450 | 432 ± 3 | 800 | 1430 | 615 | 31.5 | 565 ± 2 | 20 | 28 |
| 500 | 457 ± 3 | 800 | 1510 | 670 | 33 | 620 ± 2 | 20 | 28 |
| 600 | 508 ± 3 | 800 | - | 780 | 36 | 725 ± 2 | 20 | 31 |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes

NOTE : 1. Tolerance on flange as per IS-1538

2. 350 mm & above sizes can be supplied with Gear.



AV-119 Cast Iron Reflex Valve (Non-Return), PN 1.0

Features

Bolted Cover, Renewable Seat & Disc
 Flanged as per IS-1538 Table-4
 Product Standard : IS-5312 Part-1

Test Pressure

Body - 1.5 MPa (Hyd.)
 Seat - 1.0 MPa (Hyd.)

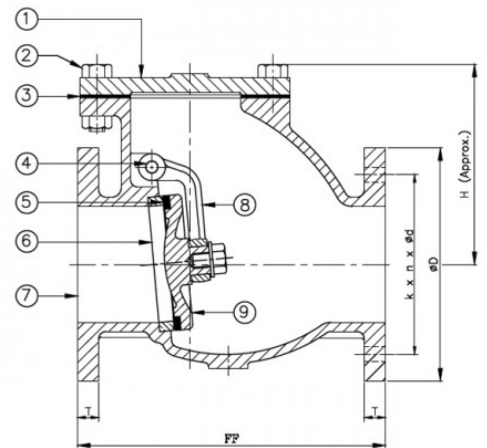
Suitability

Water, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|----------------|---------------------------------------|-------------------------------------|
| 1 | Cover | Cast Iron | IS 210 Gr. FG200 |
| 2 | Bolts & Nuts | Carbon Steel | IS 1363 (Part 1) / IS 1363 (Part 3) |
| 3 | Gasket | Rubber | IS 638 TYPE B |
| 4 | Hinge Pin | H.T. Brass | IS 320 Gr. HT 2 |
| 5 | Disc Ring | Leaded Tin Bronze/ Neoprene Rubber | IS 318 GR. LTB2 / - |
| 6 | Body seat Ring | Leaded Tin Bronze | IS 318 Gr. LTB2 |
| 7 | Body | Cast Iron | IS 210 Gr. FG200 |
| 8 | Hinge | Cast Iron | IS 210 Gr. FG200 |
| 9 | Disc | Cast Iron | IS 210 Gr. FG200 |



Dimensional Data

| Nominal Size (mm) | FF | H | øD | T | k | n | ød |
|-------------------|---------|-----|-----|------|---------|----|----|
| 50 | 203 ± 2 | 140 | 165 | 16 | 125 ± 1 | 4 | 19 |
| 65 | 216 ± 2 | 165 | 185 | 16 | 145 ± 1 | 4 | 19 |
| 80 | 241 ± 2 | 168 | 200 | 21 | 160 ± 2 | 4 | 19 |
| 100 | 292 ± 3 | 190 | 220 | 22 | 180 ± 2 | 8 | 19 |
| 125 | 330 ± 3 | 230 | 250 | 22.5 | 210 ± 2 | 8 | 19 |
| 150 | 356 ± 3 | 230 | 285 | 23 | 240 ± 2 | 8 | 23 |
| 200 | 495 ± 3 | 261 | 340 | 24.5 | 295 ± 2 | 8 | 23 |
| 250 | 622 ± 4 | 345 | 395 | 26 | 350 ± 2 | 12 | 23 |
| 300 | 698 ± 4 | 356 | 445 | 27.5 | 400 ± 2 | 12 | 23 |

k - P.C.D; n - Number of Holes; ød - Diameter of Holes

NOTE : 1. Tolerance on flange as per IS-1538



AV-119A Cast Iron Reflex (Non-Return) Valve (Flanged Ends), PN 1.6

Features

Bolted Cover, Renewable disc & seat ring
 Flanged as per IS 1538 (Drilled) Table-4, PN-1.6
 Product Standard : IS 5312 (Part 1)

Test Pressure

Body : 2.4 MPa (Hyd.)
 Seat : 1.6 MPa (Hyd.)

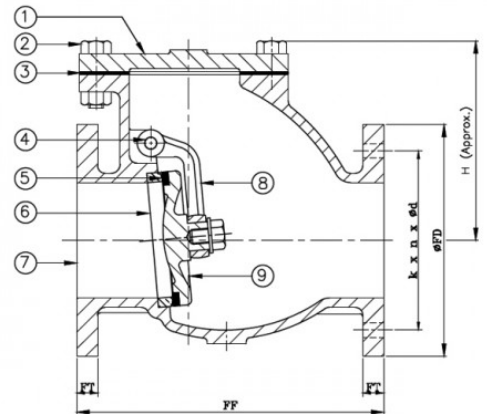
Suitability

Water, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|----------------|---------------------------------------|-------------------------------------|
| 1 | Cover | Cast Iron | IS 210 Gr. FG200 |
| 2 | Bolts & Nuts | Carbon Steel | IS 1363 (Part 1) / IS 1363 (Part 3) |
| 3 | Gasket | Rubber | IS 638 TYPE B |
| 4 | Hinge Pin | H.T. Brass | IS 320 Gr. HT2 |
| 5 | Disc Ring | Leaded Tin Bronze/ Neoprene Rubber | IS 318 Gr. LTB 2 / - |
| 6 | Body Seat Ring | Leaded Tin Bronze | IS 318 Gr. LTB 2 |
| 7 | Body | Cast Iron | IS 210 Gr. FG200 |
| 8 | Hinge | Cast Iron | IS 210 Gr. FG200 |
| 9 | Disc | Cast Iron | IS 210 Gr. FG200 |



Dimensional Data

| Nominal Size (mm) | FF | H | øFD | FT | k | n | ød |
|-------------------|---------|-----|-----|------|-----|----|----|
| 50 | 203 ± 2 | 140 | 165 | 16 | 125 | 4 | 19 |
| 65 | 216 ± 2 | 165 | 185 | 16 | 145 | 4 | 19 |
| 80 | 241 ± 2 | 168 | 200 | 21 | 160 | 4 | 19 |
| 100 | 292 ± 3 | 190 | 220 | 22 | 180 | 8 | 19 |
| 125 | 330 ± 3 | 230 | 250 | 22.5 | 210 | 8 | 19 |
| 150 | 356 ± 3 | 230 | 285 | 23 | 240 | 8 | 23 |
| 200 | 495 ± 3 | 261 | 340 | 24.5 | 295 | 8 | 23 |
| 250 | 622 ± 4 | 345 | 395 | 26 | 350 | 12 | 23 |
| 300 | 698 ± 4 | 356 | 445 | 27.5 | 400 | 12 | 23 |

k - P.C.D; n - Number of Holes; ød - Diameter of Holes

NOTE : 1. Tolerance on flange as per IS-1538



AV-120 Gun Metal Gate Valve, Class-1

Features

Outside Screw & Yoke Type, Rising Stem
Screwed Female Threads to IS-554 (Parallel)
Product Standard : IS-778

Test Pressure

Body - 1.5 MPa (Hyd.)
Seat - 1.0 MPa (Hyd.)
Max. Working Pressure : 1.0 MPa (Hyd.)
Max. Working Temp. : Upto 45°C
Testing Standard : IS-778

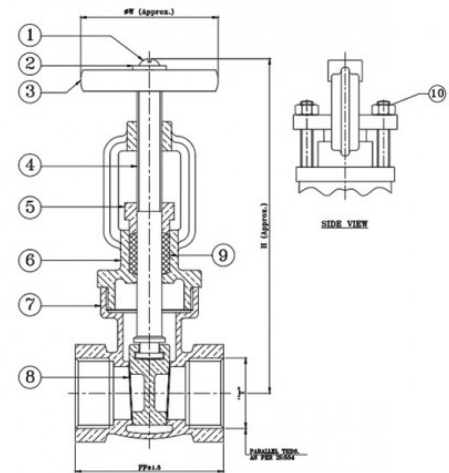
Suitability

Water, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|------------------------|------------------------|----------------------|
| 1 | Screw | Carbon Steel | - |
| 2 | Washer | Carbon Steel | - |
| 3 | Handwheel | Cast Iron / Cast Steel | IS 210 Gr. FG200 / - |
| 4 | Stem | H.T. Brass | IS 6912 / IS 320 |
| 5 | Gland Flange | Gun Metal | IS 318 Gr. LTB2 |
| 6 | Bonnet | Gun Metal | IS 318 Gr. LTB2 |
| 7 | Body | Gun Metal | IS 318 Gr. LTB2 |
| 8 | Wedge | Gun Metal | IS 318 Gr. LTB2 |
| 9 | Packing | Hemp & Jute / Asbestos | - |
| 10 | Studs & Nuts For Gland | Carbon Steel | - |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | øW | T |
|-------------------|---------|-----|-----|--------|
| 15 | 60 | 138 | 60 | 1/2" |
| 20 | 60 | 147 | 60 | 3/4" |
| 25 | 70 | 155 | 70 | 1" |
| 32 | 80 | 185 | 79 | 1.1/4" |
| 40 | 90 | 255 | 87 | 1.1/2" |
| 50 | 100 | 276 | 96 | 2" |
| 65 | 105 | 280 | 104 | 2.1/2" |
| 80 | 125 | 352 | 140 | 3" |
| 100 | 160 | 415 | 183 | 4" |



AV-121 Gun Metal Gate Valve (Flanged Ends), Class-1

Features

Outside Screw & Yoke Type, Rising Stem
 Flanged as per IS-778 Class-1 FF(Undrilled)
 Product Standard : IS-778

Test Pressure

Body : 1.5 MPa (Hyd.)
 Seat : 1.0 MPa (Hyd.)
 Max. Working Pressure : 1.0 MPa (Hyd.)
 Max. Working Temp. : Upto 45°C
 Testing Standard : IS 778

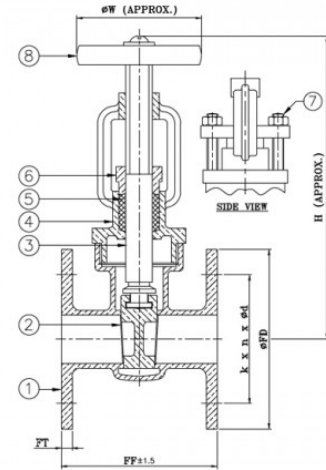
Suitability

Water, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|------------------------|------------------------|-------------------|
| 1 | Body | Gun Metal | IS 318 Gr. LTB2 |
| 2 | Wedge | Gun Metal | IS 318 Gr. LTB2 |
| 3 | Stem | H.T. Brass | IS 6912/ IS 320 |
| 4 | Bonnet | Gun Metal | IS 318 Gr. LTB2 |
| 5 | Packing | Hemp & Jute / Asbestos | - |
| 6 | Gland Flange | Gun Metal | IS 318 Gr. LTB2 |
| 7 | Studs & Nuts For Gland | Carbon Steel | - |
| 8 | Handwheel | Cast Iron / Cast Steel | IS 210 Gr. FG200/ |
| 9 | Washer | Carbon Steel | - |
| 10 | Screw | Carbon Steel | - |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | øW | øFD | FT | k | n | ød |
|-------------------|---------|-----|-----|----------|----|-----|---|----|
| 15 | 72 | 138 | 60 | 95 ±1 | 6 | 65 | 4 | 14 |
| 20 | 76 | 147 | 60 | 105 ±1 | 6 | 75 | 4 | 14 |
| 25 | 90 | 155 | 70 | 115 ±1 | 8 | 85 | 4 | 14 |
| 32 | 100 | 185 | 79 | 140 ±1 | 8 | 100 | 4 | 18 |
| 40 | 110 | 225 | 87 | 150 ±1 | 9 | 110 | 4 | 18 |
| 50 | 120 | 235 | 96 | 165 ±1 | 11 | 125 | 4 | 18 |
| 65 | 140 | 280 | 104 | 185 ±1 | 13 | 145 | 4 | 18 |
| 80 | 150 | 352 | 140 | 200 ±1 | 13 | 160 | 8 | 18 |
| 100 | 190 | 415 | 183 | 220 ±1.5 | 16 | 180 | 8 | 18 |

k - P.C.D; n - Number of Holes; ød - Diameter of Holes



AV-122 Gun Metal Gate Valve, Class-2

Features

Outside Screw & Yoke Type, Rising Stem
Screwed Female Threads to IS-554 (Parallel)
Product Standard : IS-778

Test Pressure

Body : 2.4 MPa (Hyd.)
Seat : 1.6 MPa (Hyd.)
Max. Working Pressure : 1.6 MPa (Hyd.)
Max. Working Temp. : Upto 45°C
Testing Standard : IS-778

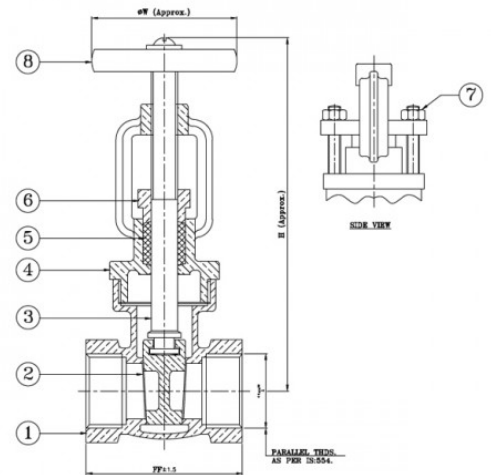
Suitability

Water, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|------------------------|------------------------|-------------------|
| 1 | Body | Gun Metal | IS 318 Gr. LTB2 |
| 2 | Wedge | Gun Metal | IS 318 Gr. LTB2 |
| 3 | Stem | H.T. Brass | IS 6912/ IS 320 |
| 4 | Bonnet | Gun Metal | IS 318 Gr. LTB2 |
| 5 | Packing | Hemp & Jute / Asbestos | - |
| 6 | Gland Flange | Gun Metal | IS 318 Gr. LTB2 |
| 7 | Studs & Nuts For Gland | Carbon Steel | - |
| 8 | Handwheel | Cast Iron / Cast Steel | IS 210 Gr. FG200/ |
| 9 | Washer | Carbon Steel | - |
| 10 | Screw | Carbon Steel | - |



Dimensional Data

| Nominal Size (mm) | FF ± 1.5 | H | ϕW | T |
|-------------------|--------------|-----|----------|--------|
| 15 | 60 | 138 | 60 | 1/2" |
| 20 | 60 | 147 | 60 | 3/4" |
| 25 | 70 | 155 | 70 | 1" |
| 32 | 80 | 185 | 79 | 1.1/4" |
| 40 | 90 | 255 | 87 | 1.1/2" |
| 50 | 100 | 276 | 96 | 2" |
| 65 | 105 | 280 | 104 | 2.1/2" |
| 80 | 125 | 352 | 140 | 3" |
| 100 | 160 | 415 | 183 | 4" |



AV-123 Gun Metal Gate Valve (Flanged Ends), Class-2

Features

Outside Screw & Yoke Type, Rising Stem
Flanged as per IS-778
Product Standard : IS-778

Test Pressure

Body : 2.4 MPa (Hyd.)
Seat : 1.6 MPa (Hyd.)
Max. working pressure : 1.6 MPa upto 45°C
Testing Standard : IS-778

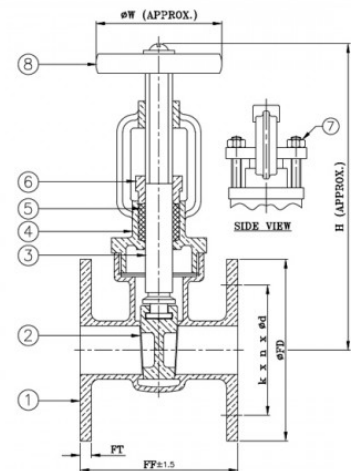
Suitability

Water, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|------------------------|------------------------|-------------------|
| 1 | Body | Gun Metal | IS 318 Gr. LTB2 |
| 2 | Wedge | Gun Metal | IS 318 Gr. LTB2 |
| 3 | Stem | H.T. Brass | IS 6912/ IS 320 |
| 4 | Bonnet | Gun Metal | IS 318 Gr. LTB2 |
| 5 | Packing | Hemp & Jute / Asbestos | - |
| 6 | Gland Flange | Gun Metal | IS 318 Gr. LTB2 |
| 7 | Studs & Nuts For Gland | Carbon Steel | - |
| 8 | Handwheel | Cast Iron / Cast Steel | IS 210 Gr. FG200/ |
| 9 | Washer | Carbon Steel | - |
| 10 | Screw | Carbon Steel | - |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | ØW | ØFD | FT | k | n | Ød |
|-------------------|---------|-----|-----|----------|----|-----|---|----|
| 15 | 72 | 138 | 60 | 95 ±1 | 6 | 65 | 4 | 14 |
| 20 | 76 | 147 | 60 | 105 ±1 | 6 | 75 | 4 | 14 |
| 25 | 90 | 155 | 70 | 115 ±1 | 8 | 85 | 4 | 14 |
| 32 | 100 | 185 | 79 | 140 ±1 | 8 | 100 | 4 | 18 |
| 40 | 110 | 225 | 87 | 150 ±1 | 9 | 110 | 4 | 18 |
| 50 | 120 | 235 | 96 | 165 ±1 | 11 | 125 | 4 | 18 |
| 65 | 140 | 280 | 104 | 185 ±1 | 13 | 145 | 4 | 18 |
| 80 | 150 | 352 | 140 | 200 ±1 | 13 | 160 | 8 | 18 |
| 100 | 190 | 415 | 183 | 220 ±1.5 | 16 | 180 | 8 | 18 |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



AV-124 Gun Metal Globe Valve (Screwed Ends), Class-1

Features

Screwed in Bonnet, O/S & Yoke Type, Rising Stem
Screwed Female Threads to IS-554(Parallel)
Product Standard : IS-778

Test Pressure

Body : 1.5 MPa (Hyd.)
Seat : 1.0 MPa (Hyd.)
Max. Working Pressure : 1.0 Mpa upto 45°C
Testing Standard : IS-778

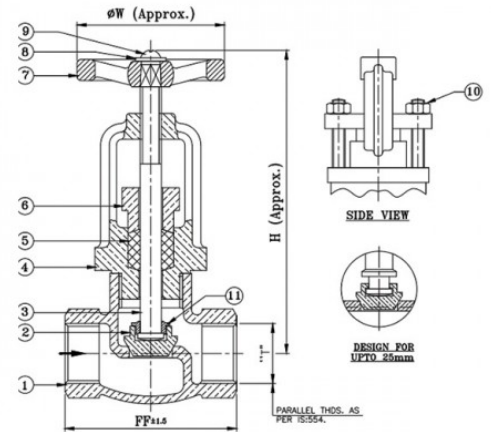
Suitability

Water, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------|------------------------|----------------------|
| 1 | Body | Gun Metal | IS 318 Gr. LTB2 |
| 2 | Disc | Gun Metal | IS 318 Gr. LTB2 |
| 3 | Stem | H.T. Brass | IS 6912 / IS 320 |
| 4 | Bonnet | Gun Metal | IS 318 Gr. LTB2 |
| 5 | Packing | Hemp & Jute / Asbestos | |
| 6 | Gland Flange | Gun Metal | IS 318 Gr. LTB2 |
| 7 | Handwheel | Cast Iron / Cast Steel | IS 210 Gr. FG200 / - |
| 8 | Washer | Carbon Steel | - |
| 9 | Screw | Carbon Steel | - |
| 10 | Studs & Nuts | Carbon Steel | - |
| 11 | Check Nut | Gun Metal | IS 318 Gr. LTB2 |



Dimensional Data

| Nominal Size (mm) | FF ± 1.5 | H | ϕW | T |
|-------------------|--------------|-----|----------|--------|
| 15 | 60 | 112 | 53 | 1/2" |
| 20 | 70 | 127 | 58 | 3/4" |
| 25 | 80 | 135 | 67 | 1" |
| 32 | 95 | 142 | 79 | 1.1/4" |
| 40 | 110 | 155 | 87 | 1.1/2" |
| 50 | 125 | 170 | 98 | 2" |
| 65 | 160 | 190 | 104 | 2.1/2" |
| 80 | 180 | 210 | 140 | 3" |
| 100 | 216 | 230 | 183 | 4" |



AV-125 Gun Metal Globe Valve (Flanged Ends), Class-1

Features

Screwed in Bonnet, O/S & Yoke Type, Rising Stem
Flanges as per IS-778 Class-1 FF (Undrilled)
Product Standard : IS-778

Test Pressure

Body : 1.5 MPa (Hyd.)
Seat : 1.0 MPa (Hyd.)
Max. Working Pressure : 1.0 MPa (Hyd.)
Max. Working Temp. : Upto 45°C
Testing Standard : IS-778

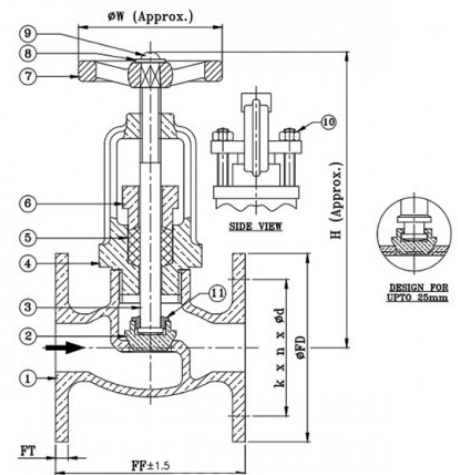
Suitability

Water, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------|------------------------|----------------------|
| 1 | Body | Gun Metal | IS 318 Gr. LTB2 |
| 2 | Disc | Gun Metal | IS 318 Gr. LTB2 |
| 3 | Stem | H.T. Brass | IS 6912 / IS 320 |
| 4 | Bonnet | Gun Metal | IS 318 Gr. LTB2 |
| 5 | Packing | Hemp & Jute / Asbestos | - |
| 6 | Gland Flange | Gun Metal | IS 318 Gr. LTB2 |
| 7 | Handwheel | Cast Iron / Cast Steel | IS 210 Gr. FG200 / - |
| 8 | Washer | Carbon Steel | - |
| 9 | Screw | Carbon Steel | - |
| 10 | Studs & Nuts | Carbon Steel | - |
| 11 | Check Nut | Gun Metal | IS 318 Gr. LTB2 |



Dimensional Data

| Nominal Size (mm) | FF ± 1.5 | H | ϕW | $\phi FD \pm 1$ | FT | k | n | ϕd |
|-------------------|--------------|-----|----------|-----------------|----|-----|---|----------|
| 15 | 75 | 112 | 53 | 95 | 6 | 65 | 4 | 14 |
| 20 | 85 | 127 | 58 | 105 | 6 | 75 | 4 | 14 |
| 25 | 95 | 130 | 67 | 115 | 8 | 85 | 4 | 14 |
| 32 | 110 | 142 | 79 | 140 | 8 | 100 | 4 | 18 |
| 40 | 120 | 155 | 87 | 150 | 9 | 110 | 4 | 18 |
| 50 | 145 | 170 | 98 | 165 | 11 | 125 | 4 | 18 |

k - P.C.D; n - Number of Holes; ϕd - Diameter of Holes



AV-126 Gun Metal Globe Valve (Screwed Ends), Class-2

Features

Screwed in Bonnet, O/S & Yoke Type, Rising Stem
Screwed Female Threads to IS-554 (Parallel)
Product Standard : IS-778

Test Pressure

Body : 2.4 MPa (Hyd.)
Seat : 1.6 MPa (Hyd.)
Max. working pressure : 1.6 Mpa upto 45°C
Testing Standard : IS-778

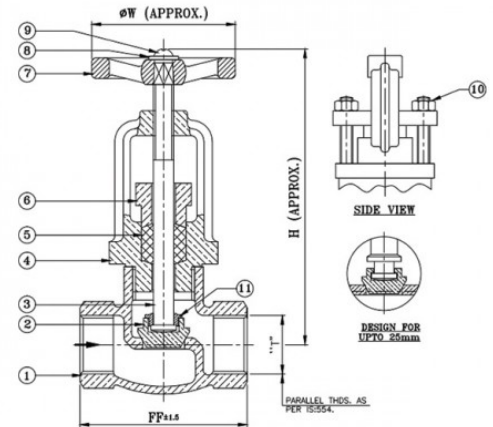
Suitability

Water, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------|------------------------|----------------------|
| 1 | Body | Gun Metal | IS 318 Gr. LTB2 |
| 2 | Disc | Gun Metal | IS 318 Gr. LTB2 |
| 3 | Stem | H.T. Brass | IS 6912 / IS 320 |
| 4 | Bonnet | Gun Metal | IS 318 Gr. LTB2 |
| 5 | Packing | Hemp & Jute / Asbestos | - |
| 6 | Gland Flange | Gun Metal | IS 318 Gr. LTB2 |
| 7 | Handwheel | Cast Iron / Cast Steel | IS 210 Gr. FG200 / - |
| 8 | Washer | Carbon Steel | - |
| 9 | Screw | Carbon Steel | - |
| 10 | Studs & Nuts | Carbon Steel | - |
| 11 | Check Nut | Gun Metal | IS 318 Gr. LTB2 |



Dimensional Data

| Nominal Size (mm) | FF ± 1.5 | H | ϕW | T |
|-------------------|--------------|-----|----------|--------|
| 15 | 60 | 112 | 53 | 1/2" |
| 20 | 70 | 127 | 58 | 3/4" |
| 25 | 80 | 130 | 67 | 1" |
| 32 | 95 | 142 | 79 | 1 1/4" |
| 40 | 110 | 155 | 87 | 1.1/2" |
| 50 | 125 | 170 | 98 | 2" |
| 65 | 160 | 190 | 104 | 2.1/2" |
| 80 | 180 | 210 | 140 | 3" |
| 100 | 216 | 230 | 183 | 4" |



AV-127 Gun Metal Globe Valve (Flanged Ends), Class-2

Features

Screwed in Bonnet, O/S & Yoke Type, Rising Stem
Flanges as per IS-778
Product Standard : IS-778

Test Pressure

Body : 2.4 MPa (Hyd.)
Seat : 1.6 MPa (Hyd.)
Max. working pressure : 1.6 Mpa upto 45°C
Testing Standard : IS-778

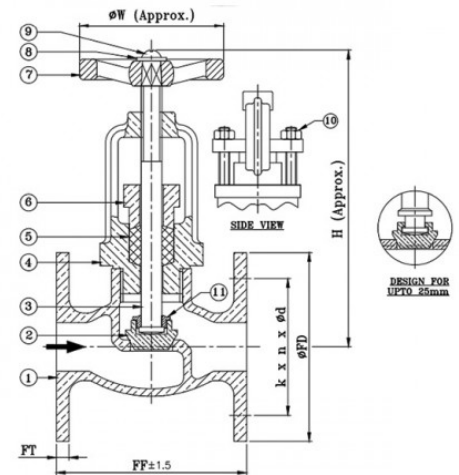
Suitability

Water, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------|------------------------|----------------------|
| 1 | Body | Gun Metal | IS 318 Gr. LTB2 |
| 2 | Disc | Gun Metal | IS 318 Gr. LTB2 |
| 3 | Stem | H.T. Brass | IS 6912 / IS 320 |
| 4 | Bonnet | Gun Metal | IS 318 Gr. LTB2 |
| 5 | Packing | Hemp & Jute / Asbestos | - |
| 6 | Gland Flange | Gun Metal | IS 318 Gr. LTB2 |
| 7 | Handwheel | Cast Iron / Cast Steel | IS 210 Gr. FG200 / - |
| 8 | Washer | Carbon Steel | - |
| 9 | Screw | Carbon Steel | - |
| 10 | Studs & Nuts | Carbon Steel | - |
| 11 | Check Nut | Gun Metal | IS 318 Gr. LTB2 |



Dimensional Data

| Nominal Size (mm) | FF ± 1.5 | H | ϕW | $\phi FD \pm 1$ | FT | k | n | ϕd |
|-------------------|--------------|-----|----------|-----------------|----|-----|---|----------|
| 15 | 75 | 112 | 53 | 95 | 6 | 65 | 4 | 14 |
| 20 | 85 | 127 | 58 | 105 | 6 | 75 | 4 | 14 |
| 25 | 95 | 130 | 67 | 115 | 8 | 85 | 4 | 14 |
| 32 | 110 | 142 | 79 | 140 | 8 | 100 | 4 | 18 |
| 40 | 120 | 155 | 87 | 150 | 9 | 110 | 4 | 18 |
| 50 | 145 | 170 | 98 | 165 | 11 | 125 | 4 | 18 |

k - P.C.D; n - Number of Holes; ϕd - Diameter of Holes



AV-128 Cast Iron Kinetic Type Air Release Valve (Type DK)

Features

Flanged as per IS-1538 (Drilled)
Product Standard : IS 14845

Test Pressure

Body : 1.5 MPa (Hyd.)
Seat : 1.0 MPa (Hyd.)

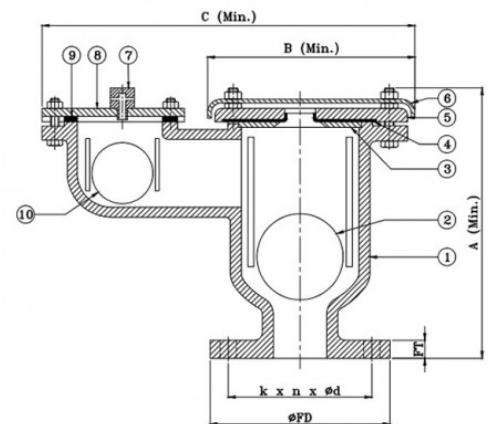
Suitability

Water, Oil

Photo Not Available

Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------------|--------------------------|-------------------|
| 1 | Body | Cast Iron | IS 210 Gr. FG 200 |
| 2 | L.P. Float | Rubber Coated Wood | - |
| 3 | Joint Support Ring | Cast Iron | IS 210 Gr. FG 200 |
| 4 | L.P. Seat Ring | Neoprene Rubber | - |
| 5 | L.P. Cover | Cast Iron | IS 210 Gr. FG 200 |
| 6 | Splash Cover | Cast Iron | IS 210 Gr. FG 200 |
| 7 | H.P. Orifice | Bronze | IS 318 Gr. LTB2 |
| 8 | H.P. Cover | Cast Iron | IS 210 Gr. FG 200 |
| 9 | Gasket | Rubber | IS 638 Type B |
| 10 | H.P. Float | Rubber Coated Wood /S.S. | - |



Dimensional Data

| Nominal Size | A | B | C | øFD | FT | k | n | ød ±2 |
|--------------|-----|-----|-----|-----|------|-----|---|-------|
| 50 | 280 | 211 | 352 | 165 | 16 | 125 | 4 | 19 |
| 80 | 305 | 236 | 373 | 200 | 21 | 160 | 4 | 19 |
| 100 | 360 | 280 | 424 | 220 | 22 | 180 | 8 | 19 |
| 150 | 487 | 450 | 674 | 285 | 23 | 240 | 8 | 23 |
| 200 | 700 | 506 | 739 | 340 | 24.5 | 295 | 8 | 23 |

k - P.C.D; n - Number of Holes; ød - Diameter of Holes



AV-131 Cast Iron Dual Plate Check Valve, Class 125

Features

Wafer type, Spring loaded, Resilient seated (EPDM/Nitrile)
Clamping between flanges as per ASME ANSI B 16.1, Class 125
Product Standard : API-594

Test Pressure

Body : 20.7 Bar (Hyd.)
Seat : 15.2 Bar (Hyd.)
Testing Standard : API-598

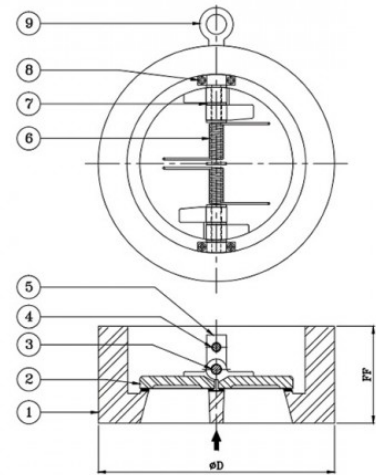
Suitability

Water, Oil, Air



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------------|-----------------------|----------------------------|
| 1 | Body | Cast Iron | BSEN 1561 Gr. GJL 200 |
| 2 | Disc | Ductile Iron (S.G.I.) | EN 1563 Gr. GJS - 400 - 15 |
| 3 | Disc Holding Pin | Stainless Steel 410 | - |
| 4 | Stopper Pin | Stainless Steel 410 | - |
| 5 | Disc Holding Plate | Cast Iron | BSEN 1561 Gr. GJL 200 |
| 6 | Spring | Stainless Steel 316 | - |
| 7 | Bush | Stainless Steel 316 | - |
| 8 | L - Key Screw | Carbon Steel | - |
| 9 | Eye Bolt | Carbon Steel | - |



Dimensional Data

| Nominal Size (mm) | FF ±2 | øD |
|-------------------|-------|-----|
| 50 | 54 | 101 |
| 65 | 60 | 119 |
| 80 | 67 | 130 |
| 100 | 67 | 170 |
| 125 | 83 | 191 |
| 150 | 95 | 214 |
| 200 | 127 | 273 |



AV-132 C.S.S. Pressure Reducing Valve

Features

Compact size, Piston type
Screwed female BSP threads to BS-21

Test Pressure

Max. Working Temp. : 80°C
Max. Upstream Pressure : 25 Bar
Adjustable Downstream Pressure at Max. Inlet Pressure : Min. : 0.8 bar, Max. : 5.5 Bar
Test Pressure : 25kg/cm² g (Hyd.)

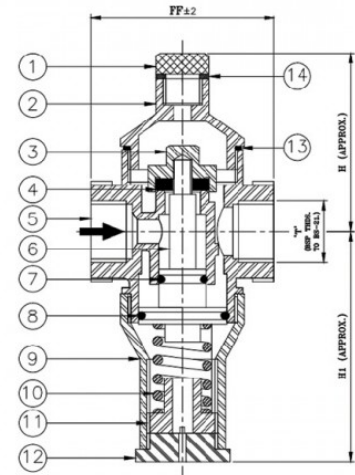
Suitability

Water



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|-----------------|------------------------------------|-------------------|
| 1 | Plug | C.S.S. | ASTM A351 Gr. CF8 |
| 2 | Bonnet | C.S.S. | ASTM A351 Gr. CF8 |
| 3 | Disc Holder | C.S.S. | ASTM A351 Gr. CF8 |
| 4 | Disc | Rubber | NITRILE / EPDM |
| 5 | Body | C.S.S. | ASTM A351 Gr. CF8 |
| 6 | Piston | C.S.S. | ASTM A351 Gr. CF8 |
| 7 | O-Ring | Rubber | NITRILE / EPDM |
| 8 | O-Ring | Rubber | NITRILE / EPDM |
| 9 | Spring Chamber | C.S.S. | ASTM A351 Gr. CF8 |
| 10 | Spring | Spring Steel EN 47 (Chrome Plated) | - |
| 11 | Adjusting ring | C.S.S. | ASTM A351 Gr. CF8 |
| 12 | Dust Cover | C.S.S./Plastic | ASTM A351 Gr. CF8 |
| 13 | O-Ring / Gasket | Rubber / PTFE | - |
| 14 | Gasket | PTFE / C.A.F. | - |



Dimensional Data

| Nominal Size (mm) | FF ±2 | H | H1 | T |
|-------------------|-------|------|-----|--------|
| 15 | 62 | 61 | 78 | 1/2" |
| 20 | 62 | 61 | 78 | 3/4" |
| 25 | 84 | 77 | 94 | 1" |
| 32 | 88 | 73 | 108 | 1.1/4" |
| 40 | 88 | 73 | 108 | 1.1/2" |
| 50 | 91 | 83.5 | 109 | 2" |



AV-133 Cast Iron Y-Type Strainer (Flanged Ends)

Features

With Stainless Steel perforated sheet screen
Flanges as per BS-10 Table 'D' FF (Drilled)

Test Pressure

Body : 15 kg/cm²(Hyd.)
Max. working Pressure : 10 kg/cm²(Hyd.)

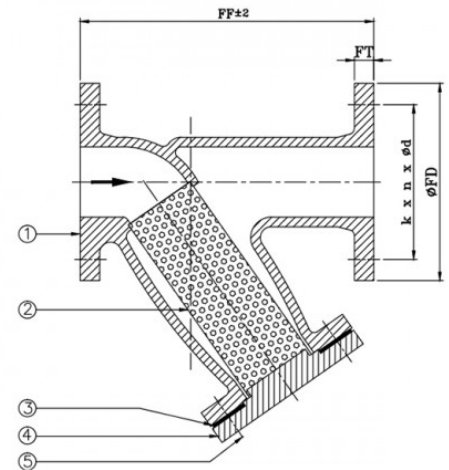
Suitability

Water, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------|-----------------|---------------------|
| 1 | Body | Cast Iron | EN 1561 Gr. GJL-200 |
| 2 | Strainer | Stainless Steel | AISI 304 |
| 3 | Gasket | C.A.F | - |
| 4 | Cover | Cast Iron | EN 1561 Gr. GJL-200 |
| 5 | Studs & Nuts | Carbon Steel | - |



Dimensional Data

| Nominal Size (mm) | FF ±2 | øFD | FT | k | n | ød |
|-------------------|-------|-------|---------|-------|----|------|
| 40 | 173 | 133.4 | 14 ±2 | 98.4 | 4 | 14.3 |
| 50 | 202 | 152.4 | 16 ±2 | 114.3 | 4 | 17.5 |
| 65 | 212 | 165.1 | 16 ±2 | 127 | 4 | 17.5 |
| 80 | 260 | 184.2 | 21 ±4 | 146.1 | 4 | 17.5 |
| 100 | 330 | 215.9 | 22 ±4 | 184.2 | 8 | 17.5 |
| 125 | 385 | 254 | 22.5 ±4 | 209.6 | 8 | 17.5 |
| 150 | 385 | 279.4 | 23 ±4 | 235 | 8 | 22.3 |
| 200 | 460 | 336.6 | 24 ±4 | 292.1 | 8 | 22.3 |
| 250 | 550 | 406.4 | 26 ±4 | 355.6 | 12 | 22.3 |
| 300 | 595 | 457.2 | 27.5 ±4 | 406.4 | 12 | 25.4 |



AV-134 Cast Iron Y-Type Strainer, Screwed Ends, PN-10

Features

"Y" Type, SS Trim
Screwed Female BSP Threads(BS-21)

Test Pressure

Tested to 20kg/cm2g (Hyd.)

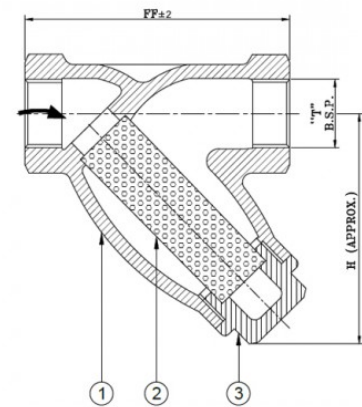
Suitability

Water, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------|-----------------|---------------------|
| 1 | Body | Cast Iron | EN 1561 Gr. GJL-200 |
| 2 | Screen | Stainless Steel | AISI 304 |
| 3 | Cover | Cast Iron | EN 1561 Gr. GJL-200 |



SCREWED FEMALE PARALLEL
THDS. AS PER BS-21

Dimensional Data

| Nominal Size (mm) | FF ±2 | H | T |
|-------------------|-------|----|--------|
| 15 | 75 | 63 | 1/2" |
| 20 | 94 | 75 | 3/4" |
| 25 | - | - | 1" |
| 32 | 124 | 93 | 1.1/4" |
| 40 | - | - | 1.1/2" |
| 50 | - | - | 2" |



AV-201 Bronze Globe Steam Stop Valve (Screwed Ends)

Features

Screwed in Bonnet, Inside Screw, Rising Stem, Screwed Ends, Back Seat Arrangement, Handwheel Operated, S.S. Seat & Disc

Test Pressure

Body : 35 kg/cm²g (Hyd.)
 Max. Steam working pressure : 17.5 kg/cm
 Max. Working Temp. : 225°C

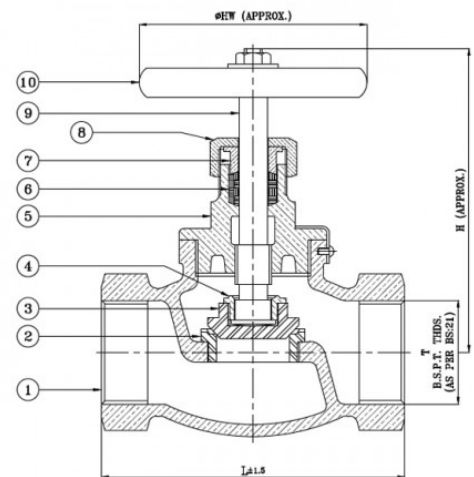
Suitability

Water, Steam



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|----------------|--------------------|------------------------|
| 1 | Body | Bronze | IBR 282 (a) (iv) Gr. B |
| 2 | Body Seat Ring | Stainless Steel | AISI 410 |
| 3 | Disc | Stainless Steel | AISI 410 |
| 4 | Disc Nut | Bronze | IBR 282 (a) (iv) Gr. B |
| 5 | Bonnet | Bronze | IBR 282 (a) (iv) Gr. B |
| 6 | Packing | Graphited Asbestos | - |
| 7 | Gland | Bronze | IBR 282 (a) (iv) Gr. B |
| 8 | Gland Nut | Bronze | IBR 282 (a) (iv) Gr. B |
| 9 | Stem | Stainless Steel | AISI 410 |
| 10 | Handwheel | Cast Iron | - |



Dimensional Data

| Nominal Size (mm) | L ±1.5 | H | ØHW | T |
|-------------------|--------|-----|-----|--------|
| 15 | 83 | 115 | 80 | 1/2" |
| 20 | 95 | 115 | 80 | 3/4" |
| 25 | 111 | 130 | 100 | 1" |
| 32 | 133 | 160 | 127 | 1.1/4" |
| 40 | 150 | 170 | 127 | 1.1/2" |
| 50 | 178 | 185 | 150 | 2" |



AV-202 Bronze Globe Steam Stop Valve (Flanged Ends)

Features

Screwed in Bonnet, Inside Screw, Rising Stem, Renewable Stainless Steel Seat & Disc with Back Seat Arrangement, Handwheel Operated
Flanges as per BS 10 Table 'H' FF

Test Pressure

Body : 35 kg/cm²g (Hyd.)
Max. Steam working pressure : 17.5 kg/cm
Max. Working Temp. : 225°C

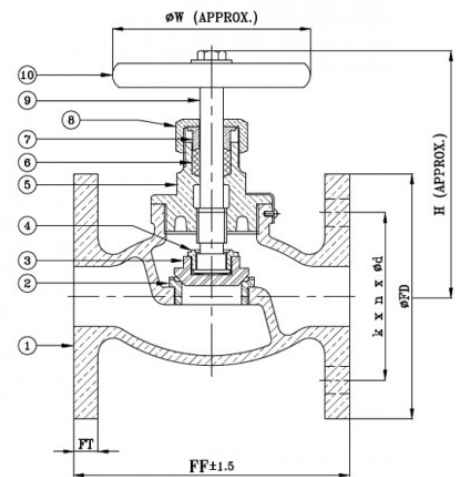
Suitability

Water, Steam



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|----------------|--------------------------|--|
| 1 | Body | Bronze | IBR 282 (a) (iv) Gr.B / BSEN 1982 Gr. CC491K |
| 2 | Body Seat Ring | Stainless Steel | ASTM A276 Type 410 |
| 3 | Disc | Stainless Steel | ASTM A276 Type 410 |
| 4 | Disc Nut | Bronze | IBR 282 (a) (iv) Gr.B / BSEN 1982 Gr. CC491K |
| 5 | Bonnet | Bronze | IBR 282 (a) (iv) Gr.B / BSEN 1982 Gr. CC491K |
| 6 | Packing | Graphited Asbestos | - |
| 7 | Gland | Bronze | IBR 282 (a) (iv) Gr.B / BSEN 1982 Gr. CC491K |
| 8 | Gland Nut | Bronze | IBR 282 (a) (iv) Gr.B / BSEN 1982 Gr. CC491K |
| 9 | Stem | Stainless Steel | ASTM A276 Type 410 |
| 10 | Handwheel | Cast Iron / Carbon Steel | - |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | ØW | ØFD | FT | k | n | Ød |
|-------------------|---------|-----|-----|-------|------|-------|---|------|
| 15 | 102 | 117 | 80 | 114.3 | 9.5 | 82.6 | 4 | 17.5 |
| 20 | 117 | 128 | 80 | 114.3 | 9.5 | 82.6 | 4 | 17.5 |
| 25 | 127 | 137 | 100 | 120.7 | 11.1 | 87.3 | 4 | 17.5 |
| 32 | 140 | 160 | 127 | 133.4 | 11.1 | 98.5 | 4 | 17.5 |
| 40 | 150 | 170 | 127 | 139.7 | 12.7 | 104.8 | 4 | 17.5 |
| 50 | 178 | 185 | 150 | 165.1 | 12.7 | 127 | 4 | 17.5 |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



AV-202A Bronze Globe Steam Stop Valve

Features

Screwed in Bonnet, Inside Screw, Rising Stem, Renewable Seat & Disc, SS Trim and Disc with Back Seat arrangement, Handwheel Operated
Flanges as per Table 'F' FF (Undrilled)

Test Pressure

Body 300 Psig (Hyd.)
Max. Steam working pressure : 150 Psig
Max. working Temp. : 225C

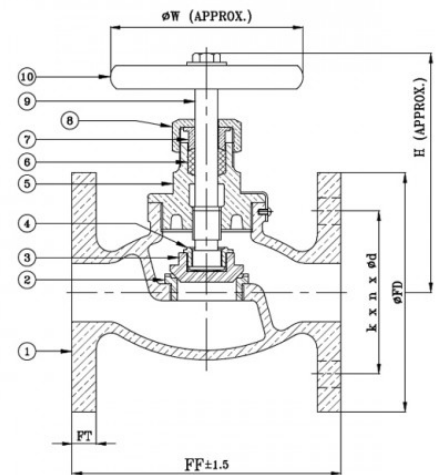
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|----------------|--------------------------|--|
| 1 | Body | Bronze | IBR 282 (a) (iv) Gr.B / BSEN 1982 Gr. CC491K |
| 2 | Body Seat Ring | Stainless Steel | ASTM A276 TYPE 410 |
| 3 | Disc | Stainless Steel | ASTM A276 TYPE 410 |
| 4 | Disc Nut | Bronze | IBR 282 (a) (iv) Gr.B / BSEN 1982 Gr. CC491K |
| 5 | Bonnet | Bronze | IBR 282 (a) (iv) Gr.B / BSEN 1982 Gr. CC491K |
| 6 | Packing | Graphited Asbestos | - |
| 7 | Gland | Bronze | IBR 282 (a) (iv) Gr.B / BSEN 1982 Gr. CC491K |
| 8 | Gland Nut | Bronze | IBR 282 (a) (iv) Gr.B / BSEN 1982 Gr. CC491K |
| 9 | Stem | Stainless Steel | ASTM A276 TYPE 410 |
| 10 | Handwheel | Cast Iron / Carbon Steel | - |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | ØW | ØFD | FT | k | n | Ød |
|-------------------|---------|-----|-----|-------|------|-------|---|------|
| 15 | 95 | 117 | 80 | 95.3 | 7.9 | 66.7 | 4 | 14.3 |
| 20 | 108 | 128 | 80 | 101.6 | 7.9 | 73 | 4 | 14.3 |
| 25 | 118 | 137 | 100 | 120.7 | 9.5 | 87.3 | 4 | 17.5 |
| 32 | 127 | 160 | 127 | 133.4 | 9.5 | 98.4 | 4 | 17.5 |
| 40 | 143 | 170 | 127 | 139.7 | 11.1 | 104.8 | 4 | 17.5 |
| 50 | 171 | 185 | 150 | 165.1 | 11.1 | 127 | 4 | 17.5 |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



AV-203 Bronze Auxiliary Steam Stop Valve

Features

Outside Screw, Yoke Type, Rising Stem, Renewable Stainless Steel, Working Parts, Straight Pattern

Screwed Female BSP Taper Threads BS 21

Test Pressure

500 Psig (Hyd.)

Max. Steam working pressure : 250 Psig

Max. Working Temp. : 225°C

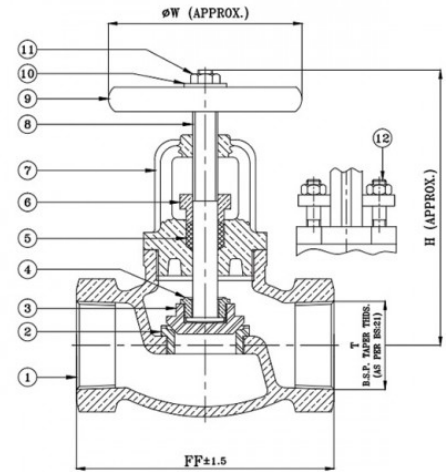
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------------|--------------------|--|
| 1 | Body | Bronze | IBR 282 (a) (iv) Gr.B / BSEN 1982 Gr. CC491K |
| 2 | Body Seat Ring | Stainless Steel | ASTM A276 Type 410 |
| 3 | Disc | Stainless Steel | ASTM A276 Type 410 |
| 4 | Disc Nut | Bronze | IBR 282 (a) (iv) Gr.B / BSEN 1982 Gr. CC491K |
| 4 | Gasket | C.A.F. | IBR 282 (a) (iv) Gr.B / BSEN 1982 Gr. CC491K |
| 5 | Packing | Graphited Asbestos | - |
| 5 | Studs & Nuts | Graphited Asbestos | - |
| 6 | Gland Flange | Bronze | IBR 282 (a) (iv) Gr.B / BSEN 1982 Gr. CC491K |
| 7 | Bonnet | Bronze | IBR 282 (a) (iv) Gr.B / BSEN 1982 Gr. CC491K |
| 8 | Stem | Stainless Steel | ASTM A276 Type 410 |
| 9 | Handwheel | Cast Iron | - |
| 10 | Washer | Carbon Steel | - |
| 11 | Nut | Carbon Steel | - |
| 12 | Gland Studs & Nuts | Carbon Steel | - |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | ØW | T |
|-------------------|---------|-----|-----|--------|
| 15 | 83 | 130 | 80 | 1/2" |
| 20 | 95 | 135 | 80 | 3/4" |
| 25 | 111 | 145 | 100 | 1" |
| 32 | 133 | 170 | 127 | 1.1/4" |
| 40 | 150 | 180 | 127 | 1.1/2" |
| 50 | 178 | 210 | 150 | 2" |



AV-204 Bronze Auxiliary Steam Stop Valve (Flanged Ends)

Features

Outside Screwed, Yoke Type, Rising Stem, Screwed in Bonnet/ Bolted Bonnet, Renewable
Stainless Steel, Working Parts, Straight Pattern
Flanges as per BS-10 Table 'H' FF (Undrilled)

Test Pressure

Test Pressure : 500 Psig (Hyd.)
Max. Steam working pressure : 250 Psig
Max. Steam working Temp. : 225°C

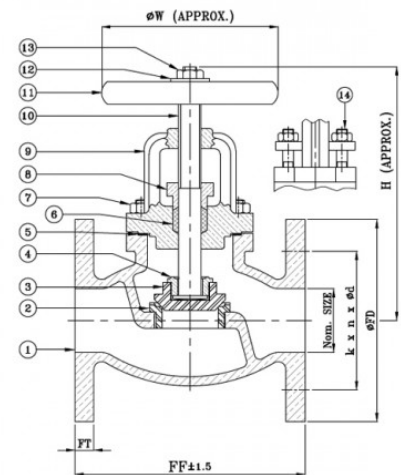
Suitability

Water, Steam



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------------|--------------------|---|
| 1 | Body | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC 491 K |
| 2 | Body Seat Ring | Stainless Steel | ASTM A276 Type 410 |
| 3 | Disc | Stainless Steel | ASTM A276 Type 410 |
| 4 | Disc Nut | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC 491 K |
| 5 | Gasket | CAF | IS 2712 |
| 6 | Packing | Graphited Asbestos | - |
| 7 | Studs & Nuts | Carbon Steel | - |
| 8 | Gland Flange | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC 491 K |
| 9 | Bonnet | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC 491 K |
| 10 | Stem | Stainless Steel | ASTM A276 Type 410 |
| 11 | Handwheel | Cast Iron | EN 1561 Gr. GJL - 200 |
| 12 | Washer | Mild Steel | - |
| 13 | Handwheel Nut | Mild Steel | - |
| 14 | Gland Studs & Nuts | Mild Steel | - |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | ØW | ØFD | FT | k | n | Ød |
|-------------------|---------|-----|-----|-------|------|-------|---|------|
| 15 | 102 | 130 | 80 | 114.3 | 9.5 | 82.6 | 4 | 17.5 |
| 20 | 117 | 135 | 80 | 114.3 | 9.5 | 82.6 | 4 | 17.5 |
| 25 | 127 | 145 | 100 | 120.7 | 11.1 | 87.3 | 4 | 17.5 |
| 32 | 140 | 170 | 127 | 133.4 | 11.1 | 98.4 | 4 | 17.5 |
| 40 | 150 | 180 | 127 | 139.7 | 12.7 | 104.8 | 4 | 17.5 |
| 50 | 178 | 210 | 150 | 165.1 | 12.7 | 127 | 4 | 17.5 |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



AV-204A Bronze Auxiliary Steam Stop Valve (Flanged Ends)

Features

Outside Screw, Yoke Type, Rising Stem, Renewable Stainless Steel, Working Parts, Straight Pattern

Renewable Seat & Disc, SS Trim

Flanges as per BS-10 Table 'F'

Test Pressure

Test Pressure : 500 Psig (Hyd.)

Max. Steam working pressure : 250 Psig

Max. Steam working Temp. : 225°C

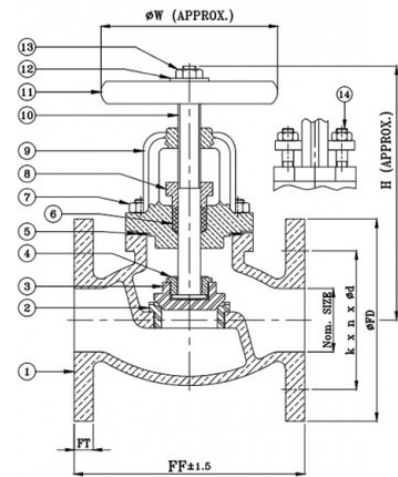
Suitability

Water, Steam



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------------|--------------------|---|
| 1 | Body | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC 491 K |
| 2 | Body Seat Ring | Stainless Steel | ASTM A276 Type 410 |
| 3 | Disc | Stainless Steel | ASTM A276 Type 410 |
| 4 | Disc Nut | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC 491 K |
| 5 | Gasket | CAF | - |
| 6 | Packing | Graphited Asbestos | - |
| 7 | Studs & Nuts | Carbon Steel | - |
| 8 | Gland Flange | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC 491 K |
| 9 | Bonnet | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC 491 K |
| 10 | Stem | Stainless Steel | ASTM A276 Type 410 |
| 11 | Handwheel | Cast Iron | EN 1561 Gr. GJL - 200 |
| 12 | Washer | Carbon Steel | - |
| 13 | Handwheel Nut | Carbon Steel | - |
| 14 | Gland Studs & Nuts | Carbon Steel | - |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | ØW | ØFD | FT | k | n | Ød |
|-------------------|---------|-----|-----|-------|-----|-------|---|------|
| 15 | 95 | 130 | 80 | 95.3 | 7.9 | 66.7 | 4 | 14.3 |
| 20 | 108 | 135 | 80 | 101.6 | 7.9 | 73 | 4 | 14.3 |
| 25 | 118 | 145 | 100 | 120.7 | 9.5 | 87.3 | 4 | 17.5 |
| 32 | 127 | 170 | 127 | 133.4 | 9.5 | 98.4 | 4 | 17.5 |
| 40 | 143 | 180 | 127 | 139.7 | 7.9 | 104.8 | 4 | 17.5 |
| 50 | 171 | 210 | 150 | 165.1 | 7.9 | 127 | 4 | 17.5 |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



AV-208 Bronze Y-Type Strainer (Screwed Ends)

Features

SS Screen
Screwed Female BSP Parallel Threads BS 21

Test Pressure

Body : 500 Psig (Hyd.)
Max. Steam working pressure : 250 Psig
Max. Steam working Temp. : 225°C

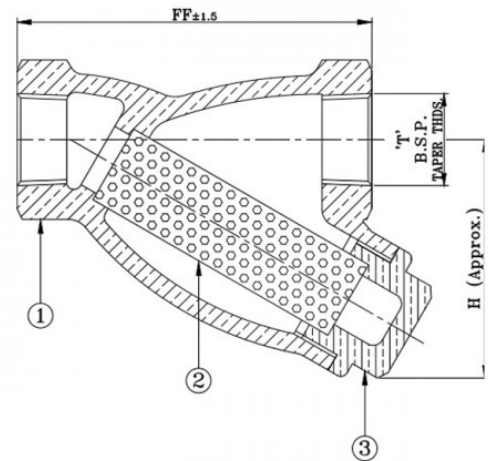
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------|-----------------|--|
| 1 | Body | Bronze | IBR 282 (a) (iv) Gr.B / BSEN 1982 Gr. CC491K |
| 2 | Screen | Stainless Steel | AISI-304 (1MM DIA. PERFORATIONS) |
| 3 | Cover | Bronze | IBR 282 (a) (iv) Gr.B / BSEN 1982 Gr. CC491K |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | T |
|-------------------|---------|-----|--------|
| 15 | 78 | 55 | 1/2" |
| 20 | 100 | 68 | 3/4" |
| 25 | 138 | 85 | 1" |
| 32 | 152 | 100 | 1.1/4" |
| 40 | 178 | 115 | 1.1/2" |
| 50 | 222 | 140 | 2" |



AV-209 Bronze Y-Type Strainer (Flanged Ends)

Features

S.S. Screen
Flanges as per BS 10 Table 'H'

Test Pressure

Body : 500 Psi g (Hyd.)
Max. Steam working pressure : 250 Psig
Max. Steam working Temp. : 225°C

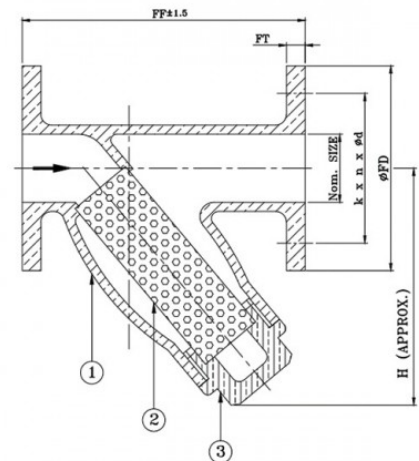
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------|-----------------|--|
| 1 | Body | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC 491K |
| 2 | Screen | Stainless Steel | AISI-304 (1mm DIA. PERFORATIONS) |
| 3 | Cover | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC 491K |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | ØFD | FT | k | n | Ød |
|-------------------|---------|-----|-------|------|-------|---|------|
| 15 | 125 | 67 | 114.3 | 9.5 | 82.6 | 4 | 17.5 |
| 20 | 140 | 85 | 114.3 | 9.5 | 82.6 | 4 | 17.5 |
| 25 | 162 | 110 | 120.7 | 11.1 | 87.3 | 4 | 17.5 |
| 32 | 178 | 120 | 133.4 | 11.1 | 98.4 | 4 | 17.5 |
| 40 | 203 | 146 | 139.7 | 12.7 | 104.8 | 4 | 17.5 |
| 50 | 203 | 195 | 165.1 | 12.7 | 127 | 4 | 17.5 |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



AV-210 Bronze Horizontal Lift Check Valve (Screwed Ends)

Features

Screwed in Cover, Renewable Stainless Steel Seat & Disc
Screwed Female BSP Taper Threads BS 21

Test Pressure

Test Pressure : 500 Psi g (Hyd.)
Max. Steam working Pressure : 250 Psig
Max. Working Temp. : 225°C

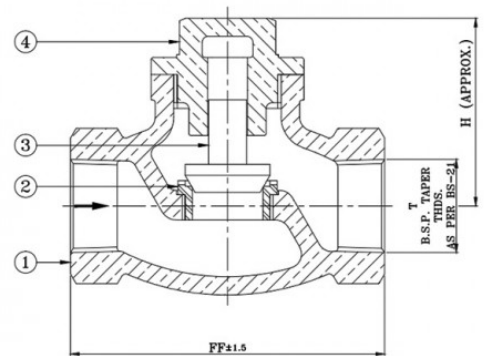
Suitability

Water, Steam



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|----------------|-----------------|--|
| 1 | Body | Gun Metal | IBR 282 (a) (iv) Gr.B / BSEN 1982 Gr. CC491K |
| 2 | Body Seat Ring | Stainless Steel | ASTM A276 TYPE 410 |
| 3 | Disc | Stainless Steel | ASTM A276 TYPE 410 |
| 4 | Cover | Gun Metal | IBR 282 (a) (iv) Gr.B / BSEN 1982 Gr. CC491K |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | T |
|-------------------|---------|----|--------|
| 15 | 83 | 55 | 1/2" |
| 20 | 95 | 55 | 3/4" |
| 25 | 111 | 64 | 1" |
| 32 | 133 | 74 | 1.1/4" |
| 40 | 150 | 80 | 1.1/2" |
| 50 | 178 | 90 | 2" |



AV-211 Bronze Horizontal Lift Check Valve (Flanged Ends)



Features

Screwed in Cover, Renewable Stainless Seat & Disc, SS Trim
Flanges as per BS-10 Table 'H'

Test Pressure

Test Pressure : 500 Psi g (Hyd.)
Max. Steam working Pressure : 250 Psig
Max. Working Temp. : 225°C

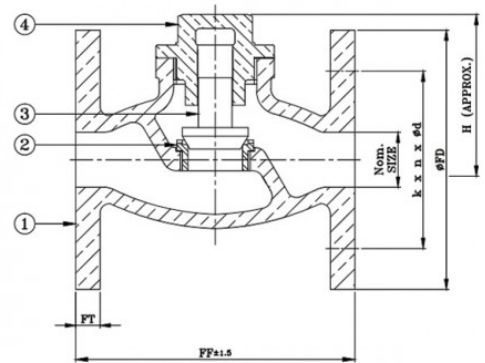
Suitability

Water, Steam



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|----------------|-----------------|--|
| 1 | Body | Bronze | IBR 282 (a) (iv) Gr.B / BSEN 1982 Gr. CC491K |
| 2 | Body Seat Ring | Stainless Steel | ASTM A276 TYPE 410 |
| 3 | Disc | Stainless Steel | ASTM A276 TYPE 410 |
| 4 | Cover | Bronze | IBR 282 (a) (iv) Gr.B / BSEN 1982 Gr. CC491K |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | ØFD | FT | k | n | Ød |
|-------------------|---------|----|-------|------|-------|---|------|
| 15 | 102 | 55 | 114.3 | 9.5 | 82.6 | 4 | 17.5 |
| 20 | 114 | 55 | 114.3 | 9.5 | 82.6 | 4 | 17.5 |
| 25 | 127 | 64 | 120.7 | 11.1 | 87.3 | 4 | 17.5 |
| 32 | 140 | 74 | 133.4 | 11.1 | 98.4 | 4 | 17.5 |
| 40 | 150 | 80 | 139.7 | 12.7 | 104.8 | 4 | 17.5 |
| 50 | 178 | 90 | 165.1 | 12.7 | 127 | 4 | 17.5 |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



AV-214 Bronze Sleeve Packed Water Level Gauge (Flanged Ends)

Features

Bronze Sleeve Packed Water Level Gauge, Flanged
Flanged ends as per BS-10 Table-H

Test Pressure

Body Test Pressure : 500 Psig (Hyd.)
Max. Working Temp. : 220°C

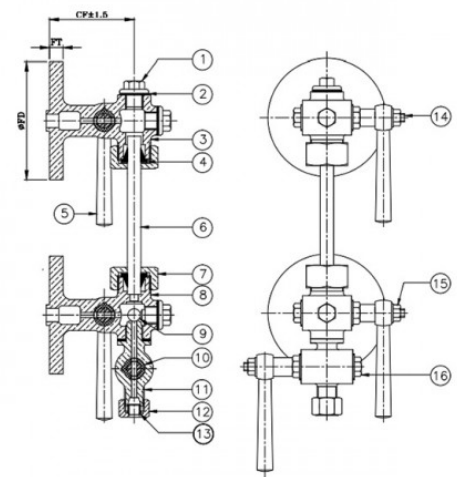
Suitability

Water



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------|------------------|-----------------------|
| 1 | Plug | Bronze | IBR 282 (a) (iv) Gr.B |
| 2 | Gasket | C.A.F | - |
| 3 | Upper Arm | Bronze | IBR 282 (a) (iv) Gr.B |
| 4 | Cone | Rubber | - |
| 5 | Washer | Bronze | IBR 282 (a) (iv) Gr.B |
| 6 | Glass Tube | Glass | (At Customer Scope) |
| 7 | Nut | Bronze | IBR 282 (a) (iv) Gr.B |
| 8 | Lower Arm | Bronze | IBR 282 (a) (iv) Gr.B |
| 9 | Ball | Stainless Steel | AISI 304 |
| 10 | Sleeve | Moulded Asbestos | - |
| 11 | Stem | Stainless Steel | AISI 304 |
| 12 | Drain Valve | Bronze | IBR 282 (a) (iv) Gr.B |
| 13 | Nut | Bronze | IBR 282 (a) (iv) Gr.B |
| 14 | Nipple | Bronze | IBR 282 (a) (iv) Gr.B |
| 15 | Handle | Mild Steel | - |



Dimensional Data

| Nominal Size (mm) | L ±1.5 | ØD | Øb | ØG | T | f | Øk | n | Ød |
|-------------------|--------|-------|------|------|------|---|------|---|------|
| 15 (1/2") | 82 | 114.3 | 12.7 | 19 | 12.7 | 3 | 82.6 | 4 | 17.5 |
| 16 (5/8") | 95 | 114.3 | 15.8 | 25.4 | 12.7 | 3 | 82.6 | 4 | 17.5 |
| 20 (3/4") | 95 | 114.3 | 19 | 25.4 | 12.7 | 3 | 82.6 | 4 | 17.5 |



AV-215 Bronze Sleeve Packed Water Level Gauge (Screwed Ends)

Features

With automatic shut off device in the water arm (LH or RH), Screwed Ends

Test Pressure

Max. BOP : 250 Psi g

Max. Working Temp. : 225°C

Body Test Pressure : 500 Psig (Hyd.)

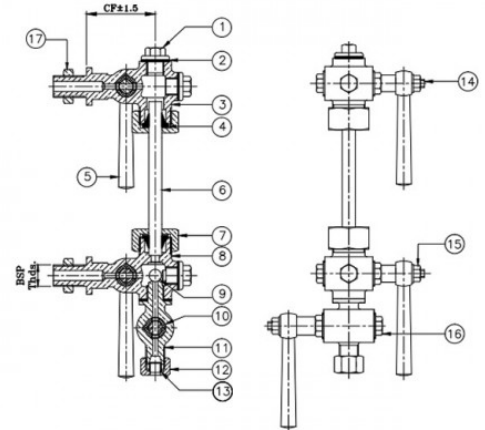
Suitability

Water



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|------------------|------------------|-----------------------|
| 1 | Plug | Bronze | IBR 282 (a) (iv) Gr.B |
| 2 | Gasket | C.A.F | - |
| 3 | Upper Arm | Bronze | IBR 282 (a) (iv) Gr.B |
| 4 | Cone | Rubber | - |
| 5 | Handle | M.I. | IS : 14329 |
| 6 | Glass Tube | Glass | (At Customer Scope) |
| 7 | Nut | Bronze | IBR 282 (a) (iv) Gr.B |
| 8 | Lower Arm | Bronze | IBR 282 (a) (iv) Gr.B |
| 9 | Ball | Stainless Steel | AISI 304 |
| 10 | Sleeve | Moulded Asbestos | - |
| 11 | Drain Valve Body | Bronze | IBR 282 (a) (iv) Gr.B |
| 12 | Union Nut | Bronze | IBR 282 (a) (iv) Gr.B |
| 13 | Nipple | Bronze | IBR 282 (a) (iv) Gr.B |
| 14 | Stem | Stainless Steel | ASTM A276 TYPE 410 |
| 15 | Nut | Carbon Steel | - |
| 16 | Bottom Nut | Bronze | IBR 282 (a) (iv) Gr.B |
| 17 | Locking Nut | Bronze | IBR 282 (a) (iv) Gr.B |



Dimensional Data

| Nominal Size (mm) | CF ±1.5 |
|-------------------|---------|
| 15 (1/2") | 80 |
| 16 (5/8") | 90 |
| 20 (3/4") | 90 |



AV-215A Bronze Gauge Glass Protector for Sleeve Packed Water Level Gauge

Features

Bronze (IBR Clause 282(a) (IV) Gr.B)

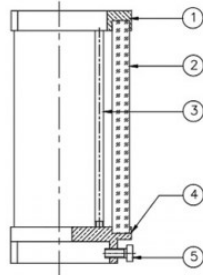
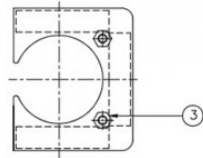
Suitability

Water



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------|-----------------|------------------------|
| 1 | Top Cover | Bronze | IBR 282 (a) (iv) Gr. B |
| 2 | Glass Slab | Toughened Glass | - |
| 3 | Rod And Nut | Brass | - |
| 4 | Lower Cover | Bronze | IBR 282 (a) (iv) Gr. B |
| 5 | Screw | Brass | - |



Dimensional Data

| Size (mm) |
|---------------------------|
| 204x50x10mm TO 300x50x10m |



AV-216 Bronze Asbestos Packed Water Level Gauge (Screwed Ends)



Features

Left hand or Right hand operation, Screwed Ends

Test Pressure

Max. BOP : 150 Psig (Steam)

Max. Working Temp. : 220°C

Body Test Pressure : 300 Psig (Hyd.)

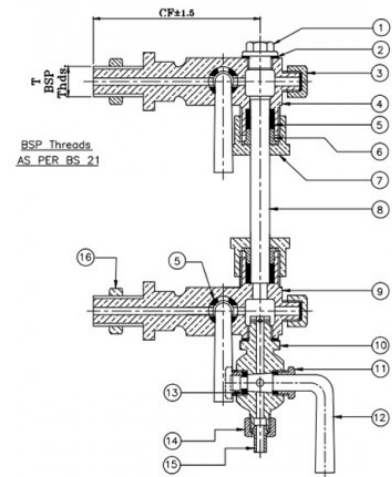
Suitability

Water



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|------------------|--------------------|------------------------|
| 1 | Plug | Bronze | IBR 282 (a) (iv) Gr. B |
| 2 | Gasket | CAF | - |
| 3 | Nut | Bronze | IBR 282 (a) (iv) Gr. B |
| 4 | Upper Arm | Bronze | IBR 282 (a) (iv) Gr. B |
| 5 | Gland Packing | Graphited Asbestos | - |
| 6 | Gland | Bronze | IBR 282 (a) (iv) Gr. B |
| 7 | Gland Nut | Bronze | IBR 282 (a) (iv) Gr. B |
| 8 | Glass Tube | Glass | (At Customer Scope) |
| 9 | Lower Arm | Bronze | IBR 282 (a) (iv) Gr. B |
| 10 | Drain Valve Body | Bronze | IBR 282 (a) (iv) Gr. B |
| 11 | Nut | Bronze | IBR 282 (a) (iv) Gr. B |
| 12 | Plug | Bronze | IBR 282 (a) (iv) Gr. B |
| 13 | Ring | CAF | - |
| 14 | Union Nut | Bronze | IBR 282 (a) (iv) Gr. B |
| 15 | Nozzle | Bronze | IBR 282 (a) (iv) Gr. B |



Dimensional Data

| Nominal Size (mm) | CF ± 1.5 | T |
|-------------------|----------|------|
| 15 | 88 | 1/2" |
| 16 | 125 | 5/8" |
| 20 | 125 | 3/4" |



AV-216A Bronze Asbestos Packed Water Level Gauge (Flanged Ends)



Features

Left hand or Right hand operation
Flanged ends as per BS-10, Table-F

Test Pressure

Max. B.O.P. : 150 Psig (Steam)
Max. Working Temp. : 220°C
Body Test Pressure : 300 Psig (Hyd.)

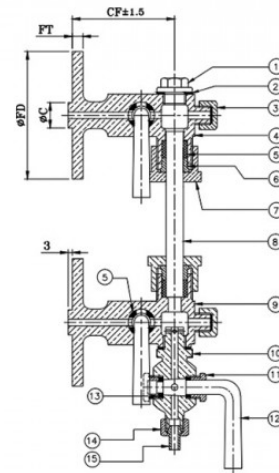
Suitability

Water



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|------------------|--------------------|------------------------|
| 1 | Plug | Bronze | IBR 282 (a) (iv) Gr. B |
| 2 | Gasket | CAF | - |
| 3 | Nut | Bronze | IBR 282 (a) (iv) Gr. B |
| 4 | Upper Arm | Bronze | IBR 282 (a) (iv) Gr. B |
| 5 | Gland Packing | Graphited Asbestos | - |
| 6 | Gland | Bronze | IBR 282 (a) (iv) Gr. B |
| 7 | Gland Nut | Bronze | IBR 282 (a) (iv) Gr. B |
| 8 | Glass Tube | Glass | (At Customer Scope) |
| 9 | Lower Arm | Bronze | IBR 282 (a) (iv) Gr. B |
| 10 | Drain Valve Body | Bronze | IBR 282 (a) (iv) Gr. B |
| 11 | Nut | Bronze | IBR 282 (a) (iv) Gr. B |
| 12 | Plug | Bronze | IBR 282 (a) (iv) Gr. B |
| 13 | Ring | CAF | - |
| 14 | Union Nut | Bronze | IBR 282 (a) (iv) Gr. B |
| 15 | Nozzle | Bronze | IBR 282 (a) (iv) Gr. B |



Dimensional Data

| Nominal Size (mm) | CF ± 1.5 | ØFD | FT | ØC |
|-------------------|----------|-------|-----|------|
| 15 | 77 | 95.3 | 7.9 | 19 |
| 20 | 96 | 101.6 | 7.9 | 26.4 |



AV-220 Bronze Thermodynamic Steam Trap

Features

Stainless Steel Trim and Stainless Steel Strainer
Screwed Female BSP Taper Threads BS 21

Test Pressure

Body : 500 Psig (Hyd.)
Max. Steam Working Pressure : 250 Psig at 225°C

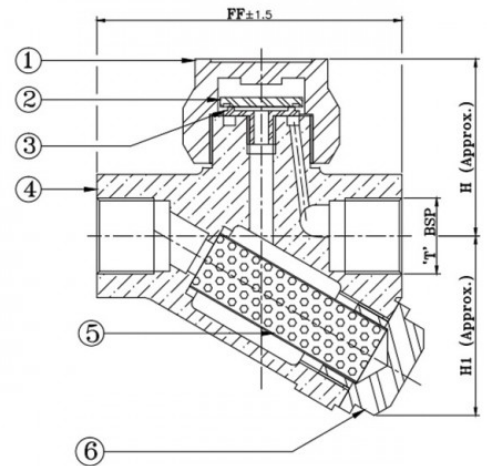
Suitability

Steam



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------|-----------------|-------------------------------|
| 1 | Top Nut | Stainless Steel | AISI 410 |
| 2 | Disc | Stainless Steel | AISI 410 |
| 3 | Seat | Stainless Steel | AISI 410 |
| 4 | Body | Bronze | IBR Clause 282 (a) (IV) Gr. B |
| 5 | Screen | Stainless Steel | TYPE 304 |
| 6 | Cover | Stainless Steel | AISI 410 |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | T | H | H1 |
|-------------------|---------|------|----|----|
| 15 | 83 | 1/2" | 60 | 56 |
| 20 | 95 | 3/4" | 60 | 62 |
| 25 | 117 | 1" | 70 | 76 |



AV-221 Bronze Parallel Slide Blow Off Valve (Flanged Ends)

Features

Rack and Pinion Operated with Seat, Supplied with Operating Key
Flanged ends to BS 10, Table-H

Test Pressure

Body : 500 Psig (Hyd.)
Working Pressure : 250 Psig (Steam)
Max. Working Temp. : 225°C

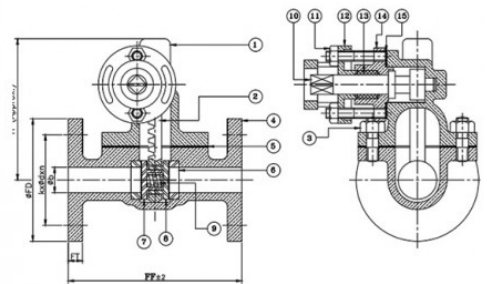
Suitability

Water, Steam



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|----------------|-----------------|-----------------------|
| 1 | Bonnet | Bronze | IBR 282 (a) (iv) Gr.B |
| 2 | Rack | C.S.S | ASTM A217 Gr. CA15 |
| 3 | Studs and Nuts | Carbon Steel | - |
| 4 | Body | Bronze | IBR 282 (a) (iv) Gr.B |
| 5 | Gasket | Non Asbestos | - |
| 6 | Body Seat Ring | Stainless Steel | AISI-410 + Stellite |
| 7 | Male Disc | Stainless Steel | AISI-410 + Stellite |
| 8 | Female Disc | Stainless Steel | AISI-410 + Stellite |
| 9 | Spring | Spring Steel | - |
| 10 | Pinion | C.S.S | ASTM A217 Gr. CA15 |
| 11 | Studs and Nuts | Carbon Steel | - |
| 12 | Gland Flange | S.G Iron | EN 1563 Gr. GJS-40-15 |
| 13 | Gland Packing | Non Asbestos | - |
| 14 | Stuffing Box | S.G Iron | EN 1563 Gr. GJS-40-15 |
| 15 | Gasket | Non Asbestos | - |



Dimensional Data

| Nominal Size (mm) | FF ±2 | H | Øb | ØFD | FT | k | n | Ød |
|-------------------|-------|-----|------|--------|-------|---------|---|--------|
| 25 | 167 | 142 | 25 | 4.3/4" | 7/16" | 3.7/16" | 4 | 11/16" |
| 32 | 173 | 158 | 32 | 5.1/4" | 7/16" | 3.7/8" | 4 | 11/16" |
| 40 | 190 | 205 | 38 | 5.1/2" | 1/2" | 4.1/8" | 4 | 11/16" |
| 50 | 206 | 227 | 50 | 6.1/2" | 1/2" | 5" | 4 | 11/16" |
| 65 | 228 | 270 | 63.5 | 7.1/4" | 9/16" | 5.3/4" | 8 | 11/16" |
| 80 | 254 | 312 | 76.2 | 8 | 5/8" | 6.1/2" | 8 | 11/16" |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



AV-222 Bronze Fusible Plug (Two Piece Design)

Features

Two Piece Design
Screwed Male BSP Taper Threads BS 21

Test Pressure

Body : 500 Psig (Hyd.)
Max. Steam working pressure : 250 Psig
Max. Working Temp. : 225°C

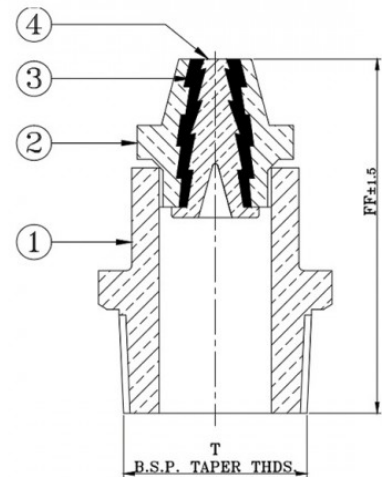
Suitability

Steam



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|---------------|--------------|---|
| 1 | Body | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC 491 K |
| 2 | Cone | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC 491 K |
| 3 | Fusible Alloy | Pb.Sn. Alloy | IBR 333 |
| 4 | Plug | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC 491 K |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | T |
|-------------------|---------|-------|
| 15 | 53 | 1/2 |
| 20 | 56 | 3/4 |
| 25 | 70 | 1 |
| 32 | 83 | 1 1/4 |
| 40 | 89 | 1 1/2 |
| 50 | 100 | 2 |



AV-223 Bronze Fusible Plug (One Piece Design)

Features

One Piece design
Screwed Male BSP Taper Threads (BS-21)

Test Pressure

Body : 500 Psig (Hyd.)
Max. Steam Working Pressure : 250 Psig
Max. Working Temp. : 250°C

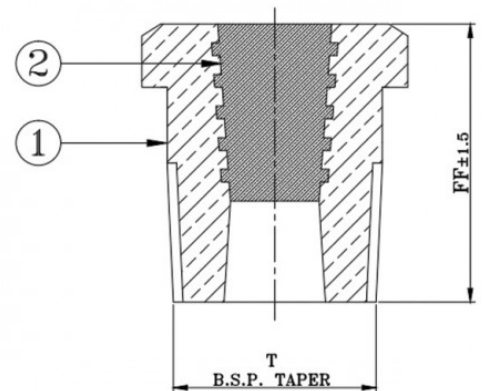
Suitability

Steam



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|---------------|---------------|---|
| 1 | Body | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 2 | Fusible Alloy | Pb. Sn. Alloy | IBR 333 |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | T |
|-------------------|---------|------|
| 15 | 32 | 1/2" |
| 20 | 38 | 3/4" |
| 25 | 44 | 1" |



AV-224 Bronze Combined Cock & Feed Check Valve

Features

Flanges as per BS-10 Table 'F' FF (Undrilled)

Test Pressure

300 Psig (Hyd.)

Max. B.O.P. : 150 Psig

Max. Working Temp. : 220°C

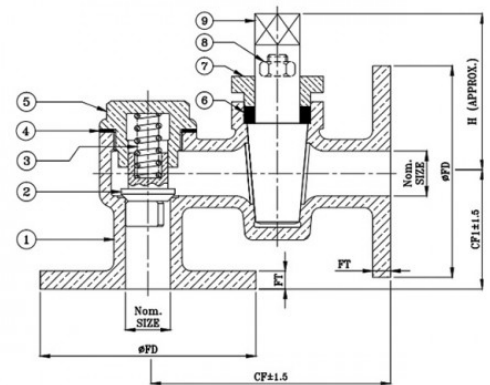
Suitability

Water, Steam



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------------|--------------------|---|
| 1 | Body | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 2 | Disc | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 3 | Spring | Carbon Steel | IBR 307 |
| 4 | Gasket | C.A.F. | IS 2712 |
| 5 | Cover | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 6 | Packing | Graphited Asbestos | - |
| 7 | Gland Flange | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 8 | Gland Studs & Nuts | Carbon Steel | - |
| 9 | Plug | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |



Dimensional Data

| Nominal Size (mm) | CF ±1.5 | CF1 ±1.5 | H | ØFD | FT |
|-------------------|---------|----------|-----|-------|------|
| 15 | 103 | 46 | 62 | 95.3 | 7.9 |
| 20 | 111 | 49 | 80 | 101.6 | 7.9 |
| 25 | 135 | 60 | 89 | 120.7 | 9.5 |
| 32 | 150 | 67 | 103 | 133.4 | 9.5 |
| 40 | 168 | 73 | 102 | 139.7 | 11.1 |
| 50 | 198 | 81 | 140 | 165.1 | 11.1 |



AV-227 Gun Metal Vertical Non Return Valve (Two Piece Design)

Features

Screwed Female BSP Taper Threads BS 21

Test Pressure

Body : 500 Psig (Hyd.)
 Max. B.O.P. : 250 Psig (Steam)
 Max. Working Temp. : 220°C

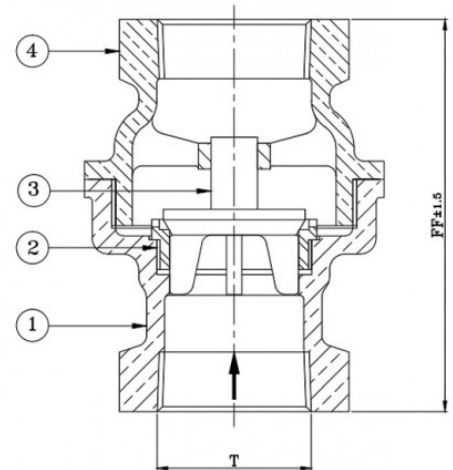
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|----------------|-----------------|---|
| 1 | Inlet Body | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC 491 K |
| 2 | Body Seat Ring | Stainless Steel | ASTM A276 Type 410 |
| 3 | Disc | Stainless Steel | ASTM A276 Type 410 / ASTM A217 Gr. CA 15 |
| 4 | Outlet Body | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC 491 K |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | T |
|-------------------|---------|--------|
| 15 | 73 | 1/2" |
| 20 | 83 | 3/4" |
| 25 | 97 | 1" |
| 32 | 120 | 1 1/4" |
| 40 | 127 | 1 1/2" |
| 50 | 157 | 2" |



AV-228 Bronze Vertical Non Return Valve (Two Piece Design)

Features

Screwed in Cover, Renewable Stainless Steel Seat & Disc, SS Trim
Flanges as per BS 10 Table 'H'

Test Pressure

Body : 500 Psig (Hyd.)
Max. B.O.P. : 250 Psig

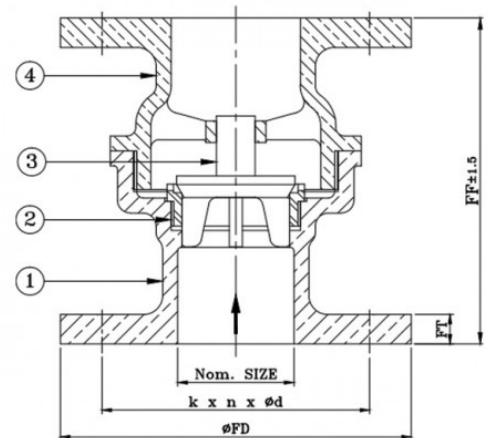
Suitability

Water, Steam



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|----------------|-----------------|---|
| 1 | Inlet Body | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC 491 K |
| 2 | Body Seat Ring | Stainless Steel | ASTM A276 Type 410 |
| 3 | Disc | Stainless Steel | ASTM A276 Type 410 / ASTM A217 Gr. CA 15 |
| 4 | Outlet Body | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC 491 K |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | ØFD | FT | k | n | Ød |
|-------------------|---------|-------|------|-------|---|------|
| 15 | 70 | 114.3 | 9.5 | 82.6 | 4 | 17.5 |
| 20 | 76 | 114.3 | 9.5 | 82.6 | 4 | 17.5 |
| 25 | 95 | 120.7 | 11.1 | 87.3 | 4 | 17.5 |
| 32 | 106 | 133.4 | 11.1 | 98.4 | 4 | 17.5 |
| 40 | 123 | 139.7 | 12.7 | 104.8 | 4 | 17.5 |
| 50 | 140 | 165.1 | 12.7 | 127 | 4 | 17.5 |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



AV-229 Bronze Pressure Reducing Valve Diaphragm Type

Features

Spring Loaded, Outlet Pressure Range Available 5/60, 20/80 & 40/125 PSIG, Cu-Alloy Trim
Screwed Female BSP Taper Threads BS 21

Test Pressure

Body : 500 Psig (Hyd.)
Max. Working Pressure : 250 Psig

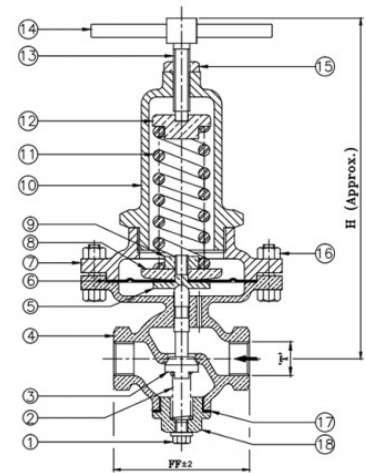
Suitability

Steam



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|-------------------|-----------------|------------------------|
| 1 | Drain Plug | Bronze | IBR 282 (a) (iv) Gr. B |
| 2 | Spring | Carbon Steel | - |
| 3 | Valve Disc | Bronze | IBR 282 (a) (iv) Gr. B |
| 4 | Body | Bronze | IBR 282 (a) (iv) Gr. B |
| 5 | Disc | Bronze | IBR 282 (a) (iv) Gr. B |
| 6 | Diaphragm | Stainless Steel | AISI 304 |
| 7 | Bonnet | Cast Iron | IBR 86 to 93 Gr.A |
| 8 | Lower Spring Disc | Bronze | IBR 282 (a) (iv) Gr. B |
| 9 | Disc Nut | Bronze / Brass | IBR 282 (a) (iv) Gr. B |
| 10 | Spring Chamber | Cast Iron | IBR 86 to 93 Gr.A |
| 11 | Spring | Carbon Steel | - |
| 12 | Upper Spring Disc | Bronze | IBR 282 (a) (iv) Gr. B |
| 13 | Adjusting Screw | Carbon Steel | - |
| 14 | Tommy Bar | Carbon Steel | - |
| 15 | Locking Nut | Carbon Steel | - |
| 16 | Bolts And Nuts | Carbon Steel | - |
| 17 | Gasket | C.A.F | - |
| 18 | Bottom Cover | Gun Metal | BSEN 1982 Gr. CC491K |



Dimensional Data

| Nominal Size (mm) | FF ±2 | H | T |
|-------------------|-------|-----|--------|
| 15 | 76 | 240 | 1/2" |
| 20 | 108 | 278 | 3/4" |
| 25 | 114 | 325 | 1" |
| 32 | 133 | 345 | 1.1/4" |
| 40 | 137 | 380 | 1.1/2" |
| 50 | 170 | 410 | 2" |



AV-230 Bronze Spring Loaded Safety Valve (Right Angle)

Features

Spring Loaded, Enclosed discharge
Inlet Screwed male BSP taper threads as per BS 21

Test Pressure

Body : 300 Psig (Hyd.)
Max. Set Pressure : 150 Psig
Max. Working Temp. : 220°C

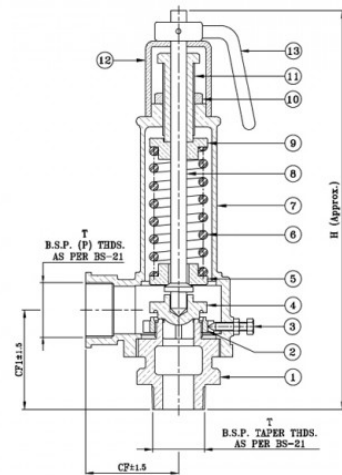
Suitability

Water, Steam



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|-------------------|-------------------------|---|
| 1 | Body | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 2 | Regulating Ring | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 3 | Locking Screw | Brass | - |
| 4 | Disc | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 5 | Lower Spring Disc | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 6 | Spring | Stainless Steel | IBR 307/ AISI 304 |
| 7 | Spring Chamber | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 8 | Stem | Brass / Stainless Steel | IS 6912 Gr. FLB / ASTM A276 TYPE 410 |
| 9 | Upper Spring Disc | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 10 | Check Nut | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 11 | Adjusting Screw | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 12 | Cap | Aluminium | - |
| 13 | Lever | Bronze | IBR 282 (a) (iv) Gr. B |



Dimensional Data

| Nominal Size (mm) | CF ±1.5 | CF1 ±1.5 | H | T |
|-------------------|---------|----------|-----|--------|
| 15 | 48 | 62 | 220 | 1/2" |
| 20 | 48 | 62 | 220 | 3/4" |
| 25 | 60 | 74 | 235 | 1" |
| 32 | 74 | 81 | 291 | 1.1/4" |
| 40 | 75 | 91 | 300 | 1.1/2" |
| 50 | 81 | 110 | 360 | 2" |



AV-230A Bronze Spring Loaded Safety Valve (Angle Type) (Flanged Ends)

Features

Enclosed discharge
Flanges as per BS-10, Table-F (Undrilled)

Test Pressure

Body : 300 Psi g (Hyd.)
Max. Set Pressure : 150 Psi g
Max. Working Temp. : 220°C

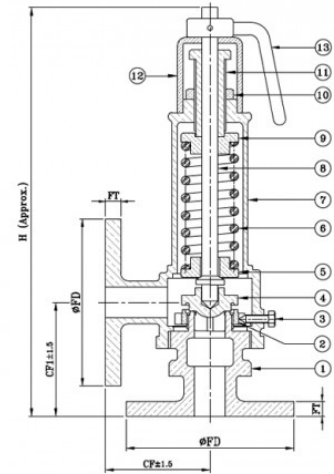
Suitability

Steam



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|-------------------|-------------------------|---|
| 1 | Body | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 2 | Regulating Ring | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 3 | Locking Screw | Brass | - |
| 4 | Disc | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 5 | Lower Spring Disc | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 6 | Spring | Stainless Steel | IBR 307/ AISI 304 |
| 7 | Spring Chamber | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 8 | Stem | Brass / Stainless Steel | IS 6912 Gr. FLB / ASTM A276 TYPE 410 |
| 9 | Upper Spring Disc | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 10 | Check Nut | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 11 | Adjusting Screw | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 12 | Cap | Aluminium | - |
| 13 | Lever | Bronze | IBR 282 (a) (iv) Gr. B |



Dimensional Data

| Nominal Size (mm) | CF ± 1.5 | CF1 ± 1.5 | H | ØFD | FT |
|-------------------|----------|-----------|-----|-------|------|
| 25 | 74 | 72 | 239 | 120.7 | 9.5 |
| 40 | 86 | 87 | 295 | 139.7 | 11.1 |



AV-231 Bronze Spring Loaded Safety Valve (Open Discharge)

Features

Screwed male BSP taper threads as per BS 21

Test Pressure

Body : 300 Psig (Hyd.)
 Max. Set Pressure : 150 Psig
 Max. Working Temp. : 220°C

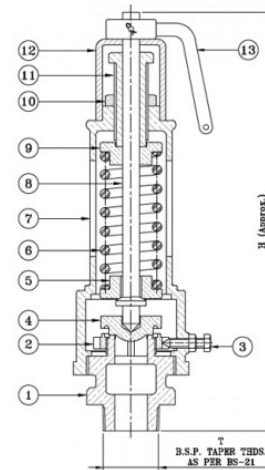
Suitability

Water, Steam



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|-------------------|-------------------------|---|
| 1 | Body | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 2 | Regulating Ring | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 3 | Locking Screw | Brass | - |
| 4 | Disc | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 5 | Lower Spring Disc | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 6 | Spring | Stainless Steel | IBR 307 / AISI 304 |
| 7 | Spring Chamber | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 8 | Stem | Brass / Stainless Steel | IS 6912 Gr. FLB / ASTM A276 TYPE 410 |
| 9 | Upper Spring Disc | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 10 | Check Nut | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 11 | Adjusting Screw | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 12 | Cap | Aluminium | - |
| 13 | Lever | Bronze / Aluminium | IBR 282 (a) (iv) Gr. B / - |



Dimensional Data

| Nominal Size (mm) | H | T |
|-------------------|-----|--------|
| 15 | 204 | 1/2" |
| 20 | 205 | 3/4" |
| 25 | 228 | 1" |
| 32 | 291 | 1.1/4" |
| 40 | 300 | 1.1/2" |
| 50 | 360 | 2" |



AV-232 Bronze Pop Type Safety Valve (Open/Enclosed Discharge)

Features

Spring Loaded, Open Discharge
Inlet Screwed Male BSP Taper Threads BS 21

Test Pressure

Body : 500 Psig (Hyd.)
Max. B.O.P. : 250 Psig
Max. working temp. : 220°C

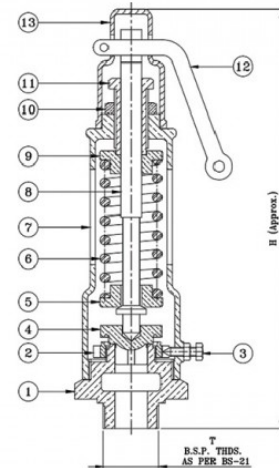
Suitability

Steam



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|-------------------|--------------|---|
| 1 | Body | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 2 | Regulating Ring | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 3 | Locking Screw | Brass | - |
| 4 | Disc | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 5 | Lower Spring Disc | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 6 | Spring | Carbon Steel | - |
| 7 | Spring Chamber | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 8 | Stem | Forged Brass | - |
| 9 | Upper Spring Disc | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 10 | Check Nut | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 11 | Adjusting Screw | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 12 | Lever | Bronze | IBR 282 (a) (iv) Gr. B |
| 13 | Cap | Aluminium | - |



Dimensional Data

| Nominal Size (mm) | H | T |
|-------------------|-----|--------|
| 15 | 279 | 3/4" |
| 20 | 317 | 1 |
| 25 | 325 | 1.1/4" |
| 32 | 396 | 1.1/2" |
| 40 | 400 | 2 |
| 50 | 450 | 2.1/2" |



AV-233 Bronze Pop Type Safety Valve (Flanged Ends)

Features

Pop Type, Spring Loaded, Open Discharge or Enclosed Discharge
Flanges as per BS-10 Table 'H' FF (Undrilled)

Test Pressure

Body - 500 Psig (Hyd.)
Max. Set pressure : 250 Psig
Max. working temp. : 220°C

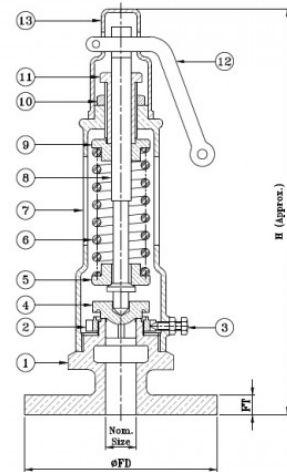
Suitability

Steam



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|-------------------|--------------|---|
| 1 | Body | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 2 | Regulating Ring | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 3 | Locking Screw | Brass | - |
| 4 | Disc | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 5 | Lower Spring Disc | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 6 | Spring | Carbon Steel | - |
| 7 | Spring Chamber | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 8 | Stem | Forged Brass | - |
| 9 | Upper Spring Disc | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 10 | Check Nut | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 11 | Adjusting Screw | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 12 | Lever | Carbon Steel | - |
| 13 | Cap | Aluminium | - |



Dimensional Data

| Nominal Size (mm) | H | ØFD | FT |
|-------------------|-----|-------|------|
| 15 | 287 | 114.3 | 9.5 |
| 20 | 324 | 114.3 | 9.5 |
| 25 | 325 | 120.7 | 11.1 |
| 32 | 398 | 133.4 | 11.1 |
| 40 | 400 | 139.7 | 12.7 |
| 50 | 451 | 165.1 | 12.7 |



AV-234 Bronze Pop Type Right Angle Safety Valve (Enclosed Discharge)

Features

Spring Loaded, Enclosed Discharge

Inlet Screwed Male BSP Taper Threads BS 21, Outlet Screwed Female BSP Parallel Threads BS 21

Test Pressure

Body : 500 Psig (Hyd.)

Max. set pressure : 250 Psig

Max. working temp. : 220°C

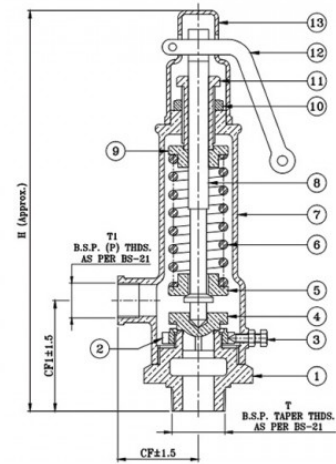
Suitability

Steam



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|-------------------|--------------|---|
| 1 | Body | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 2 | Regulating Ring | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 3 | Locking Screw | Brass | - |
| 4 | Disc | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 5 | Lower Spring Disc | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 6 | Spring | Carbon Steel | - |
| 7 | Spring Chamber | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 8 | Stem | Forged Brass | - |
| 9 | Upper Spring Disc | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 10 | Check Nut | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 11 | Adjusting Screw | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 12 | Lever | Carbon Steel | - |
| 13 | Cap | Aluminium | - |



Dimensional Data

| Nominal Size (mm) | CF ± 1.5 | CF1 ± 1.5 | H | T | T1 |
|-------------------|----------|-----------|-----|--------|--------|
| 15 | 45 | 75 | 298 | 3/4" | 1/2" |
| 20 | 65 | 85 | 317 | 1" | 3/4" |
| 25 | 65 | 89 | 325 | 1.1/4" | 1 |
| 32 | 66 | 98 | 396 | 1.1/2" | 1.1/4" |
| 40 | 66 | 110 | 400 | 2" | 1.1/2" |
| 50 | 86 | 113 | 450 | 2.1/2" | 2 |



AV-235 Bronze Pop Type Safety Valve Right Angle (Open/Enclosed Discharge)



Features

Spring Loaded, Open Discharge or Enclosed Discharge
Flanges as per BS 10 Table 'H' FF (Undrilled)

Test Pressure

Body : 500 Psig (Hyd.)
Max. set pressure : 250 Psig
Max. working temp. : 220°C

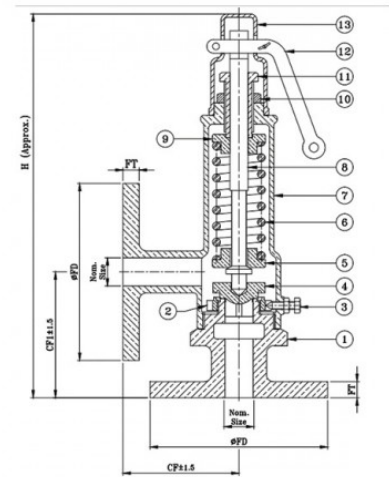
Suitability

Water, Steam



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|-------------------|--------------|---|
| 1 | Body | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 2 | Regulating Ring | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 3 | Locking Screw | Brass | - |
| 4 | Disc | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 5 | Lower Spring | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 6 | Spring | Carbon Steel | - |
| 7 | Spring Chamber | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 8 | Stem | Forged Brass | - |
| 9 | Upper Spring Disc | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 10 | Check Nut | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 11 | Adjusting Screw | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 12 | Lever | Carbon Steel | - |
| 13 | Cap | Aluminium | - |



Dimensional Data

| Nominal Size (mm) | CF ±1.5 | CF1 ±1.5 | H | ØFD | FT |
|-------------------|---------|----------|-----|-------|------|
| 15 | 70 | 66 | 287 | 114.3 | 9.5 |
| 20 | 74 | 73 | 324 | 114.3 | 9.5 |
| 25 | 74 | 75 | 325 | 120.7 | 11.1 |
| 32 | 83 | 93 | 398 | 133.4 | 11.1 |
| 40 | 83 | 95 | 400 | 139.7 | 12.7 |
| 50 | 111 | 110 | 451 | 165.1 | 12.7 |



AV-236 Bronze Controllable Feed Check Valve

Features

Outside Screw, Yoke Type, Rising Stem, Renewable Stainless Steel Working Parts, Straight/Right Angle Pattern
Screwed Female BSP Taper Threads BS 21

Test Pressure

500 Psig (Hyd.)
Max. Steam working pressure : 250 Psig
Max. working temp. : 220°C

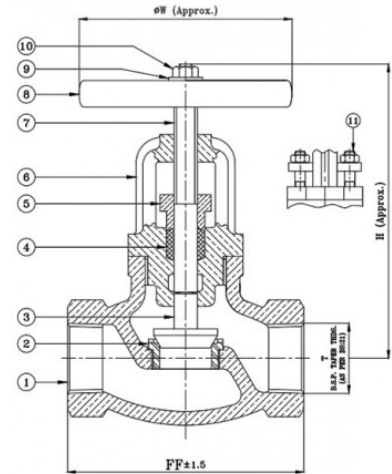
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------------|--------------------|---|
| 1 | Body | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 2 | Body Seat Ring | Stainless Steel | ASTM A276 Type 410 |
| 3 | Disc | Stainless Steel | ASTM A276 Type 410 |
| 4 | Gasket | C.A.F. | ASTM A276 Type 410 |
| 5 | Packing | Graphited Asbestos | - |
| 6 | Gland Flange | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 7 | Bonnet | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 8 | Stem | Stainless Steel | ASTM A276 Type 410 |
| 9 | Handwheel | Cast Iron | EN 1561 Gr. GJL 200 |
| 10 | Washer | Carbon Steel | - |
| 11 | Handwheel Nut | Carbon Steel | - |
| 12 | Studs & Nuts | Carbon Steel | - |
| 13 | Gland Studs & Nuts | Carbon Steel | - |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | ØW | T |
|-------------------|---------|-----|-----|--------|
| 15 | 83 | 115 | 80 | 1/2" |
| 20 | 95 | 115 | 80 | 3/4" |
| 25 | 111 | 145 | 100 | 1" |
| 32 | 133 | 168 | 127 | 1 1/4" |
| 40 | 152 | 170 | 127 | 1 1/2" |
| 50 | 178 | 195 | 150 | 2" |



AV-236A Bronze Right Angle Controllable Feed Check Valve

Features

Outside Screw, Yoke Type, Screwed in bonnet / Bolted Bonnet, Rising Stem, Renewable Seat & Disc, SS Trim
Screwed Female BSP Taper Threads (BS-21)

Test Pressure

500 Psi g (Hyd.)
Max. Steam working pressure : 250 Psi g
Max. working temp. : 220°C

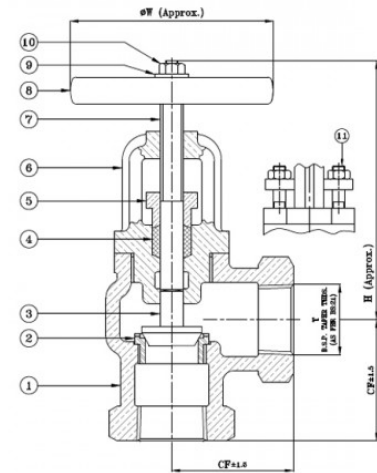
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------------|--------------------|---|
| 1 | Body | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 2 | Body Seat Ring | Stainless Steel | ASTM A276 TYPE 410 |
| 3 | Disc | Stainless Steel | ASTM A276 TYPE 410 |
| 4 | Packing | Graphited Asbestos | - |
| 5 | Gland Flange | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 6 | Bonnet | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 7 | Stem | Stainless Steel | ASTM A276 TYPE 410 |
| 8 | Handwheel | Cast Iron | EN 1561 Gr. GJL 200 |
| 9 | Washer | Carbon Steel | - |
| 10 | Handwheel Nut | Carbon Steel | - |
| 11 | Gland Studs & Nuts | Carbon Steel | - |



Dimensional Data

| Nominal Size (mm) | CF ±1.5 | H | ØW | T |
|-------------------|---------|-----|-----|--------|
| 15 | 41 | 105 | 80 | 1/2" |
| 20 | 48 | 105 | 80 | 3/4" |
| 25 | 57 | 125 | 100 | 1" |
| 32 | 67 | 140 | 127 | 1 1/4" |
| 40 | 76 | 153 | 127 | 1 1/2" |
| 50 | 89 | 175 | 150 | 2" |



AV-237 Bronze Controllable Feed Check Valve (Flanged Ends)

Features

Bolted Bonnet, Yoke type, Outside screw, Rising Stem, Flanged ends as per BS 10, Table-H (Undrilled)

Test Pressure

Body : 500 Psig (Hyd.)
 Max. Steam Working Pressure : 250 Psig
 Max. Working Temp. : 220°C

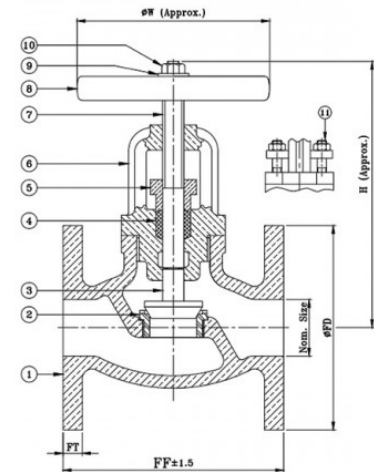
Suitability

Water, Steam



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------------|--------------------|---|
| 1 | Body | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 2 | Body Seat Ring | Stainless Steel | ASTM A276 Type 410 |
| 3 | Disc | Stainless Steel | ASTM A276 Type 410 |
| 4 | Gasket | C.A.F. | ASTM A276 Type 410 |
| 5 | Packing | Graphited Asbestos | - |
| 6 | Gland Flange | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 7 | Bonnet | Bronze | IBR 282 (a) (iv) Gr. B / BSEN 1982 Gr. CC491K |
| 8 | Stem | Stainless Steel | ASTM A276 Type 410 |
| 9 | Handwheel | Cast Iron | EN 1561 Gr. GJL 200 |
| 10 | Washer | Carbon Steel | - |
| 11 | Handwheel Nut | Carbon Steel | - |
| 12 | Studs & Nuts | Carbon Steel | - |
| 13 | Gland Studs & Nuts | Carbon Steel | - |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | ØW | ØFD | FT |
|-------------------|---------|-----|-----|-------|------|
| 15 | 102 | 115 | 80 | 114.3 | 9.5 |
| 20 | 117 | 115 | 80 | 114.3 | 9.5 |
| 25 | 127 | 145 | 100 | 120.7 | 11.1 |
| 32 | 140 | 168 | 127 | 133.4 | 11.1 |
| 40 | 150 | 170 | 127 | 139.7 | 12.7 |
| 50 | 178 | 195 | 150 | 165.1 | 12.7 |



AV-238 Bronze Sight Glass Single Window Flow Indicator (Screwed Ends)

Features

BSP taper threads as per BS-21

Test Pressure

Body : 500 Psi g (Hyd.)

Max. BOP Working Pressure : 250 Psi g (Steam)

Max. Working Temp. : 220°C

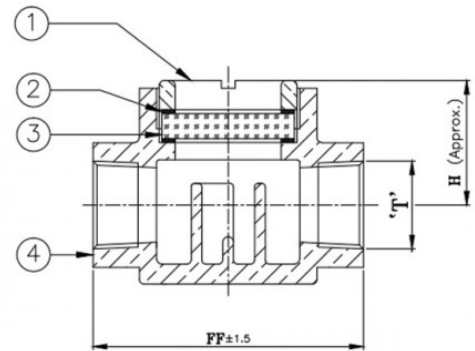
Suitability

Water, Steam



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------|-----------|--|
| 1 | Cover | Bronze | IBR 282 (a) (iv) Gr.B / BSEN 1982 Gr. CC491K |
| 2 | Gasket | C.A.F | - |
| 3 | Glass | Toughened | - |
| 4 | Body | Bronze | IBR 282 (a) (iv) Gr.B / BSEN 1982 Gr. CC491K |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | T |
|-------------------|---------|----|--------|
| 15 | 89 | 40 | 1/2" |
| 20 | 92 | 42 | 3/4" |
| 25 | 102 | 47 | 1" |
| 32 | 105 | 52 | 1.1/4" |
| 40 | 110 | 55 | 1.1/2" |
| 50 | 115 | 62 | 2" |



AV-239 Bronze Inspector's Test Gauge Cock (Screwed Ends)

Features

With Bend threaded M20 x 1.5 connection for inspector's gauge

Test Pressure

Body : 500 Psig (Hyd.)

Max. BOP Working Pressure : 250 Psig (Steam)

Max. Working Temp. : 220°C

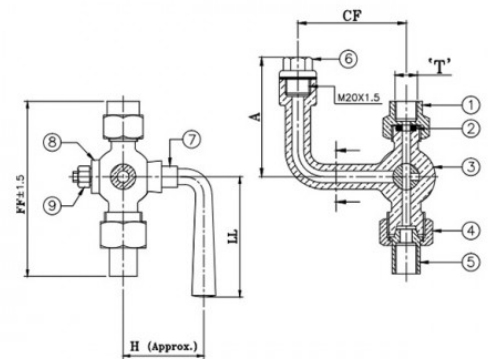
Suitability

Water, Steam



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------|----------|--|
| 1 | Nut | Bronze | IBR 282 (a) (iv) Gr.B / BSEN 1982 Gr. CC491K |
| 2 | Washer | Lead | - |
| 3 | Body | Bronze | IBR 282 (a) (iv) Gr.B / BSEN 1982 Gr. CC491K |
| 4 | Union Nut | Bronze | IBR 282 (a) (iv) Gr.B / BSEN 1982 Gr. CC491K |
| 5 | Tail Pipe | Bronze | IBR 282 (a) (iv) Gr.B / BSEN 1982 Gr. CC491K |
| 6 | Plug | Bronze | IBR 282 (a) (iv) Gr.B / BSEN 1982 Gr. CC491K |
| 7 | Plug | Bronze | IBR 282 (a) (iv) Gr.B / BSEN 1982 Gr. CC491K |
| 8 | Washer | Bronze | IBR 282 (a) (iv) Gr.B / BSEN 1982 Gr. CC491K |
| 9 | Nut | Brass | - |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | LL | A | CF | T |
|-------------------|---------|----|----|----|----|------|
| 10 | 146 | 60 | 91 | 87 | 84 | 3/8" |
| 15 | 146 | 60 | 91 | 87 | 84 | 1/2" |



AV-241 Bronze Pressure Gauge Cock

Features

Fitted with Pressure Gauge Coupling Nut & Tail Pipe, Screwed Female Ends

Test Pressure

Body : 500 Psig (Hyd.)

Max. BOP Working Pressure : 250 Psig (Steam)

Max. Working Temp. : 220°C

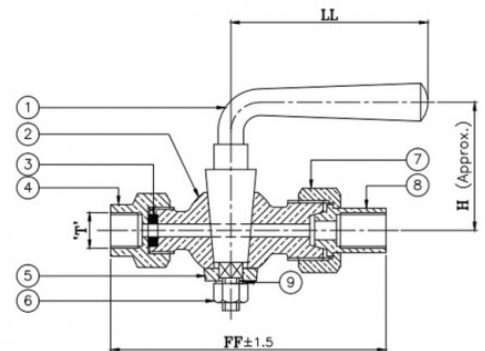
Suitability

Water, Steam



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|---------------|--------------|------------------------|
| 1 | Plug | Bronze | IBR 282 (a) (iv) Gr. B |
| 2 | Body | Bronze | IBR 282 (a) (iv) Gr. B |
| 3 | Washer | Lead | - |
| 4 | Nut | Bronze | IBR 282 (a) (iv) Gr. B |
| 5 | Washer | Bronze | IBR 282 (a) (iv) Gr. B |
| 6 | Nut | Brass | - |
| 7 | Union Nut | Bronze | IBR 282 (a) (iv) Gr. B |
| 8 | Tail Pipe | Bronze | IBR 282 (a) (iv) Gr. B |
| 9 | Spring Washer | Spring Steel | - |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | LL | T |
|-------------------|---------|----|----|------|
| 10 | 135 | 62 | 90 | 3/8" |
| 15 | 135 | 62 | 90 | 1/2" |



AV-242 Bronze Fusible Plug (Loco Type)

Features

Test Pressure

Body : 500 Psig (Hyd.)

Max. BOP Working Pressure : 250 Psig

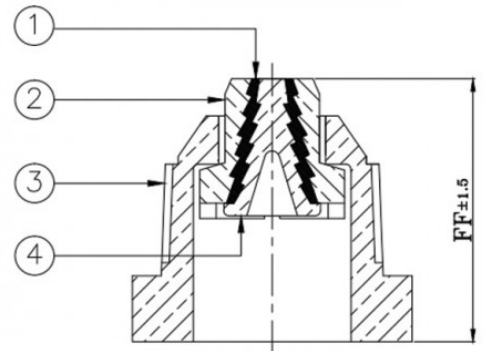
Suitability

Water, Steam



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|---------------|----------------|-----------------------|
| 1 | Fusible Alloy | Lead-Tin Alloy | IBR 333 |
| 2 | Plug | Bronze | IBR 282 (a) (iv) Gr.B |
| 3 | Body | Bronze | IBR 282 (a) (iv) Gr.B |
| 4 | Cone | Bronze | IBR 282 (a) (iv) Gr.B |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 |
|-------------------|---------|
| 25 | 53 |
| 32 | 53 |



AV-251 Cast Iron Globe Steam Stop Valve, PN 16

Features

Bolted Bonnet, Yoke Type, Outside Screw, Rising Stem
 Flanges as per BSEN 1092-2:97 PN 16
 Product Specification : BSEN 13789:10

Testing Standard : BS EN 12266 Part-1

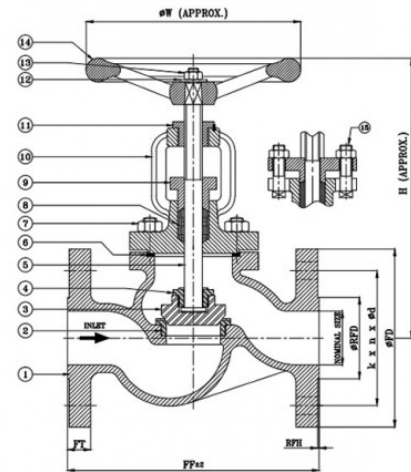
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|----------------|--|---|
| 1 | Body | Cast Iron | BS 1561 Gr. GJL 220 |
| 2 | Body Seat Ring | Stainless Steel | ASTM A276 Type 410 / IS 6603 / ASTM A217 Gr. CA15 |
| 3 | Disc | Stainless Steel | ASTM A276 TYPE 410 / ASTM A217 Gr. CA15 |
| 4 | Disc Nut | Stainless Steel | ASTM A276 Type 410 |
| 5 | Stem | Stainless Steel | ASTM A276 Type 410 |
| 6 | Gasket | C.A.F / Non Asbestos Fibre | - |
| 7 | Studs and Nuts | Carbon Steel | - |
| 8 | Packing | Flexible Graphite | - |
| 9 | Gland Flange | Cast Iron | BS 1561 Gr. GJL 220 |
| 10 | Bonnet | Cast Iron | BS 1561 Gr. GJL 220 |
| 11 | Yoke Bush | Stainless Steel / Al. Bronze / Alloyed Ductile Iron (Mo-Cu-Di) | ASTM A582 Type 416 / BS 1982 CC331G |
| 12 | Washer | Carbon Steel | - |
| 13 | Nut | Carbon Steel | - |
| 14 | Handwheel | M.I | - |
| 15 | T-Bolts & Nuts | Carbon Steel | - |



Dimensional Data

| Nominal Size (mm) | FF | H | ØW | ØFD | ØRFD | RFH | k | n | Ød | FT |
|-------------------|-----|-----|-----|-----|------|-----|-----|----|----|----|
| 15 | 130 | 175 | 100 | 95 | 46 | 2 | 65 | 4 | 14 | 14 |
| 20 | 150 | 180 | 100 | 105 | 56 | 2 | 75 | 4 | 14 | 16 |
| 25 | 160 | 210 | 100 | 115 | 65 | 3 | 85 | 4 | 14 | 16 |
| 32 | 180 | 240 | 165 | 140 | 76 | 3 | 100 | 4 | 19 | 18 |
| 40 | 200 | 255 | 165 | 150 | 84 | 3 | 110 | 4 | 19 | 18 |
| 50 | 230 | 265 | 165 | 165 | 99 | 3 | 125 | 4 | 19 | 20 |
| 65 | 290 | 317 | 200 | 185 | 118 | 3 | 145 | 4 | 19 | 20 |
| 80 | 310 | 330 | 200 | 200 | 132 | 3 | 160 | 8 | 19 | 22 |
| 100 | 350 | 380 | 250 | 220 | 156 | 3 | 180 | 8 | 19 | 24 |
| 125 | 400 | 410 | 250 | 250 | 184 | 3 | 210 | 8 | 19 | 26 |
| 150 | 480 | 440 | 315 | 285 | 211 | 3 | 240 | 8 | 23 | 26 |
| 200 | 600 | 490 | 400 | 340 | 266 | 3 | 295 | 8 | 23 | 26 |
| 250 | 730 | 630 | 400 | 395 | 319 | 3 | 350 | 12 | 23 | 29 |



k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



AV-251A C.I. Globe Steam Stop Valve, PN-10

Features

Bolted Bonnet, Outside Screw & Yoke Type, Rising Stem with Backseat Arrangement, Renewable Seat & Disc, S.S. Trim
Flanged as per BSEN 1092-2 PN-10

Test Pressure

Body : 16kg/cm² (230 Psi g) Hyd.
Seat : 10kg/cm² (159 Psi g) Hyd.

NOTE : S.G. Iron material available on customer request.

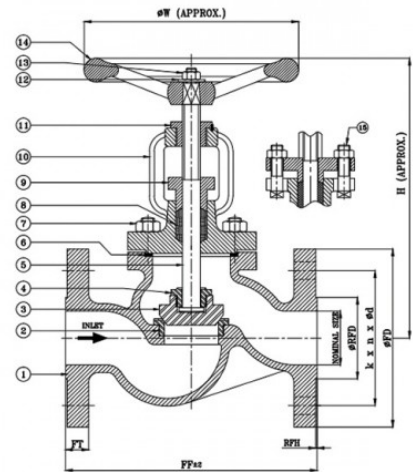
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|------------------|----------------------------|---|
| 1 | Body | C.I. | EN 1561 Gr. GJL 200 |
| 2 | Body Seat Ring | Stainless Steel | ASTM A276 TYPE 410 / IS 6603 / ASTM A217 Gr. CA15 |
| 3 | Disc | Stainless Steel | ASTM A276 TYPE 410 / IS 6603 / ASTM A217 Gr. CA15 |
| 4 | Disc Nut | Stainless Steel | ASTM A276 TYPE 410 |
| 5 | Stem | Stainless Steel | ASTM A276 TYPE 410 |
| 6 | Gasket | C.A.F / Non Asbestos Fibre | - |
| 7 | Studs & Nuts | Carbon Steel | - |
| 8 | Packing | Flexible Graphite | - |
| 9 | Gland Flange | C.I. | EN 1561 Gr. GJL 200 |
| 10 | Bonnet | C.I. | EN 1561 Gr. GJL 200 |
| 11 | Yoke Bush | Stainless Steel/Al. Bronze | ASTM A582 TYPE 416 / BS 1982 CC 331G |
| 12 | Washer | Carbon Steel | - |
| 13 | Nut | Carbon Steel | - |
| 14 | Handwheel | M.I. | - |
| 15 | T - Bolts & Nuts | Carbon Steel | - |



Dimensional Data

| Nominal Size (mm) | FF | H | ØW | ØFD | ØRFD | RFH | k | n | Ød | FT |
|-------------------|--------|-----|-----|-----|------|-----|-----|----|----|----|
| 200 | 600 ±4 | 490 | 400 | 340 | 266 | 3 | 295 | 8 | 23 | 26 |
| 250 | 730 ±4 | 630 | 400 | 395 | 319 | 3 | 350 | 12 | 23 | 28 |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



AV-252 C.I. Junction Steam Stop Valve, PN 16



Features

Bolted Bonnet, Outside Screw & Yoke Type
Flanges as per BSEN 1092-2 (PN 16)

Test Pressure

Body : 24 kg/cm²g (348 Psig) Hyd.
Seat : 16 kg/cm²g (255 Psig) Hyd.
Max. Working Temp. : 220°C

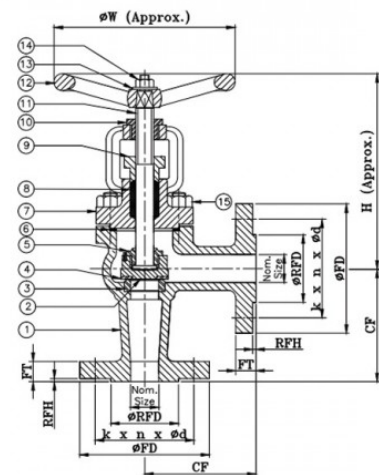
Suitability

Water, Steam



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|---|--------------------|--------------------|
| 1 | Body | Cast Iron | IBR 86 to 93 Gr. A |
| 2 | Disc Holder | Cast Iron | IBR 86 to 93 Gr. A |
| 3 | Body Seat Ring | Stainless Steel | ASTM A276 Type 410 |
| 4 | Disc | Stainless Steel | ASTM A276 Type 410 |
| 5 | Disc Nut | Stainless Steel | ASTM A276 Type 410 |
| 6 | Gasket | CAF | - |
| 7 | Bonnet | Cast Iron | IBR 86 to 93 Gr. A |
| 8 | Gland Packing | Graphited Asbestos | - |
| 9 | Gland | Cast Iron | IBR 86 to 93 Gr. A |
| 10 | Yoke Bush | Stainless Steel | ASTM A582 Type 416 |
| 11 | Stem | Stainless Steel | ASTM A276 Type 410 |
| 12 | Handwheel | Cast Iron | IS 210 Gr. FG200 |
| 13 | Washer | Carbon Steel | - |
| 14 | Nut | Carbon Steel | - |
| 15 | Studs And Nuts | Carbon Steel | - |
| 16 | T - Head Bolts & Nuts for Gland (Not Shown) | Carbon Steel | - |



Dimensional Data

| Nominal Size (mm) | CF | H | ØW | ØFD | FT | ØRFD | RFH | k | n | Ød |
|-------------------|--------|-----|-----|-----|----|------|-----|-----|---|----|
| 15 | 90 ±1 | 150 | 100 | 95 | 14 | 46 | 2 | 65 | 4 | 14 |
| 20 | 95 ±1 | 150 | 100 | 105 | 16 | 56 | 2 | 75 | 4 | 14 |
| 25 | 100 ±1 | 160 | 100 | 115 | 16 | 65 | 3 | 85 | 4 | 14 |
| 32 | 105 ±1 | 170 | 125 | 140 | 18 | 76 | 3 | 100 | 4 | 19 |
| 40 | 115 ±1 | 220 | 160 | 150 | 18 | 84 | 3 | 110 | 4 | 19 |
| 50 | 125 ±1 | 260 | 160 | 165 | 20 | 99 | 3 | 125 | 4 | 19 |
| 65 | 145 ±1 | 280 | 200 | 185 | 20 | 118 | 3 | 145 | 4 | 19 |
| 80 | 155 ±1 | 300 | 200 | 200 | 22 | 132 | 3 | 160 | 8 | 19 |
| 100 | 175 ±1 | 350 | 250 | 220 | 24 | 156 | 3 | 180 | 8 | 19 |
| 125 | 200 ±1 | 400 | 315 | 250 | 26 | 184 | 3 | 210 | 8 | 19 |
| 150 | 225 ±2 | 430 | 400 | 285 | 26 | 211 | 3 | 240 | 8 | 23 |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



AV-253 Cast Iron Horizontal Lift Check Valve, PN 16

Features

- Bolted Cover
- Flanged Ends as per BSEN 1092-2, (PN 16)
- Product Standard : BSEN 13789
- Testing Standard : BS EN 12266 Part-1

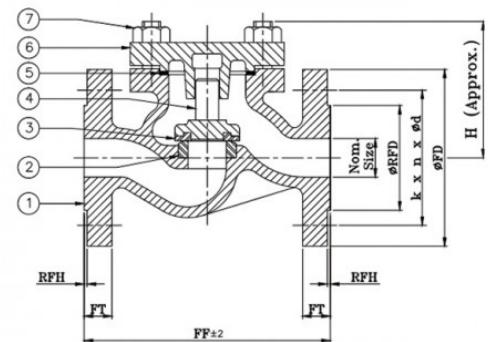
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|----------------|-----------------|---|
| 1 | Body | Cast Iron | IBR 86 to 93 Gr.A / IS 210 Gr. FG200 |
| 2 | Body Seat Ring | Stainless Steel | ASTM A276 Type 410 / ASTM A182 Gr. F6a / ASTM A217 Gr. CA15 |
| 3 | Disc Ring | Stainless Steel | ASTM A276 Type 410 / ASTM A182 Gr. F6a / ASTM A217 Gr. CA15 |
| 4 | Disc | Cast Iron | IBR 86 to 93 Gr.A / IS 210 Gr. FG200 |
| 5 | Gasket | CAF | - |
| 6 | Cover | Cast Iron | IBR 86 to 93 Gr.A / IS 210 Gr. FG200 |
| 7 | Studs and Nuts | Carbon Steel | - |



Dimensional Data

| Nominal Size (mm) | CF | H | ØFD | FT | ØRFD | RFH | | | |
|-------------------|--------|-----|-----|----|------|-----|-----|---|----|
| 15 | 130 ±2 | 75 | 95 | 14 | 46 | 2 | | | |
| 20 | 150 ±2 | 75 | 105 | 16 | 56 | 2 | | | |
| 25 | 160 ±2 | 84 | 115 | 16 | 65 | 3 | | | |
| 32 | 180 ±2 | 98 | 140 | 18 | 76 | 3 | | | |
| 40 | 200 ±2 | 106 | 150 | 18 | 84 | 3 | | | |
| 50 | 230 ±2 | 114 | 165 | 20 | 99 | 3 | | | |
| 65 | 290 ±3 | 128 | 185 | 20 | 118 | 3 | | | |
| 80 | 310 ±3 | 166 | 200 | 22 | 132 | 3 | | | |
| 100 | 350 ±3 | 172 | 220 | 24 | 156 | 3 | | | |
| 125 | 400 ±3 | 205 | 250 | 26 | 184 | 3 | 210 | 8 | 19 |
| 150 | 480 ±3 | 220 | 285 | 26 | 211 | 3 | 240 | 8 | 23 |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



AV-253A C.I. Horizontal Lift Check Valve, PN-10

Features

Bolted Cover, Renewable Seat & Disc, SS Trim
Flanged Ends as per BSEN 1092-2 (PN-10)

Test Pressure

Body : 16kg/cm² (230 Psi g) Hyd.
Seat : 10kg/cm² (142 Psi g) Hyd.

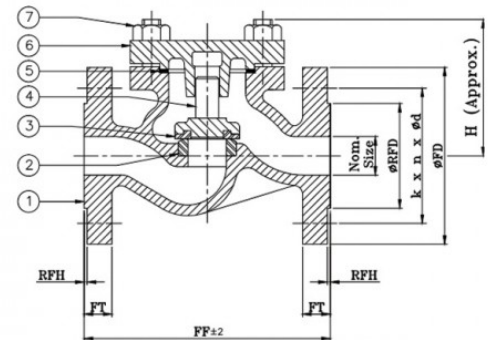
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|----------------|-----------------|---|
| 1 | Body | Cast Iron | IBR 86 to 93 Gr.A / IS 210 Gr. FG200 |
| 2 | Body Seat Ring | Stainless Steel | ASTM A276 TYPE 410 / ASTM A182 Gr. F6a / ASTM A217 Gr. CA15 |
| 3 | Disc Ring | Stainless Steel | ASTM A276 TYPE 410 / ASTM A182 Gr. F6a / ASTM A217 Gr. CA15 |
| 4 | Disc | Cast Iron | IBR 86 to 93 Gr.A / IS 210 Gr. FG200 |
| 5 | Gasket | C.A.F. | - |
| 6 | Cover | Cast Iron | IBR 86 to 93 Gr.A / IS 210 Gr. FG200 |
| 7 | Studs & Nuts | Carbon Steel | - |



Dimensional Data

| Nominal Size (mm) | FF ±4 | H | ØFD | FT | ØRFD | RFH | k | n | Ød |
|-------------------|-------|-----|-----|----|------|-----|-----|----|----|
| 200 | 600 | 250 | 340 | 26 | 266 | 3 | 295 | 8 | 23 |
| 250 | 730 | - | 395 | 28 | 319 | 3 | 350 | 12 | 23 |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



AV-255 Cast Iron Horizontal Lift Check Valve, PN 16

Features

Right Angle Pattern
Flanged Ends as per BSEN 1092-2 (PN-16)

Test Pressure

Body : 24 kg/cm²g (348 Psig) Hyd.
Seat : 17.6 kg/cm²g (255 Psig) Hyd.
Max. Working Temp. : 220°C

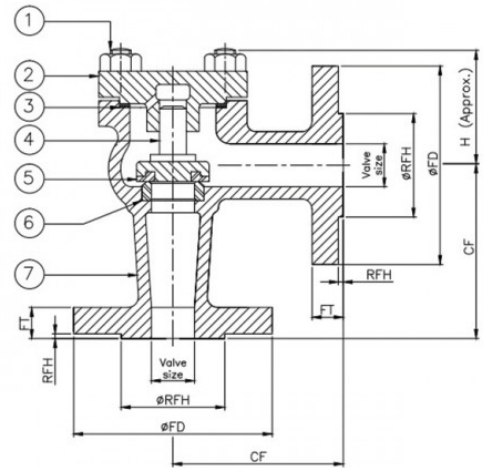
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|----------------|-----------------|---|
| 1 | Studs and Nuts | Carbon Steel | - |
| 2 | Cover | Cast Iron | IBR 86 to 93 Gr.A |
| 3 | Gasket | C.A.F. | - |
| 4 | Disc Holder | Cast Iron | IBR 86 to 93 Gr.A |
| 5 | Disc Ring | Stainless Steel | ASTM A276 Type 410 / ASTM A217 Gr. CA15 |
| 6 | Body Seat Ring | Stainless Steel | ASTM A276 Type 410 / ASTM A217 Gr. CA15 |
| 7 | Body | Cast Iron | IBR 86 to 93 Gr.A |



Dimensional Data

| Nominal Size (mm) | CF | H | ØFD | FT | ØRFD | RFH |
|-------------------|--------|-----|-----|----|------|-----|
| 15 | 90 ±1 | 60 | 95 | 14 | 46 | 2 |
| 20 | 95 ±1 | 60 | 105 | 16 | 56 | 2 |
| 25 | 100 ±1 | 62 | 115 | 16 | 65 | 3 |
| 32 | 105 ±1 | 70 | 140 | 18 | 76 | 3 |
| 40 | 115 ±1 | 75 | 150 | 18 | 84 | 3 |
| 50 | 125 ±1 | 80 | 165 | 20 | 99 | 3 |
| 65 | 145 ±1 | 100 | 185 | 20 | 118 | 3 |
| 80 | 155 ±1 | 110 | 200 | 22 | 132 | 3 |
| 100 | 175 ±1 | 120 | 220 | 24 | 156 | 3 |
| 125 | 200 ±1 | 130 | 250 | 26 | 184 | 3 |
| 150 | 225 ±2 | 150 | 285 | 26 | 211 | 3 |



AV-256 Cast Iron Y-Type Strainer (Flanged Ends)

Features

'Y' Type Strainer with Stainless Steel, Perforated Sheet Screen
Flanges as per BS-10 Table 'F'

Test Pressure

Body : 300 Psig (Hyd.)
Max. Steam working pressure : 150 Psig
Max. Working Temp. : 220°C

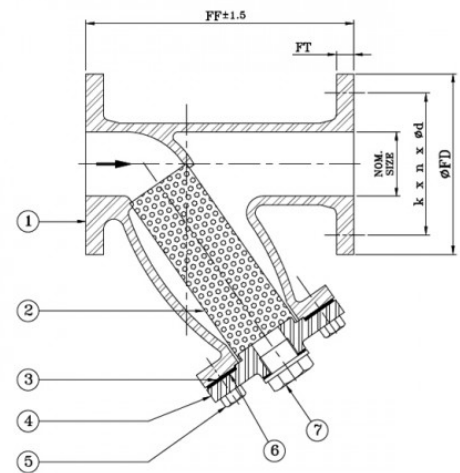
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------|-----------------|---|
| 1 | Body | Cast Iron | BSEN 1561 Gr. GJL200 / IBR 86 TO 93 Gr. A |
| 2 | Strainer | Stainless Steel | Type 304 (1 mm Dia. Perforation) |
| 3 | Gasket | C.A.F. | - |
| 4 | Cover | Cast Iron | BSEN 1561 Gr. GJL200 / IBR 86 TO 93 Gr. A |
| 5 | Studs & Nuts | Carbon Steel | - |
| 6 | Gasket | C.A.F. | - |
| 7 | Drain Plug | Cast Iron | BSEN 1561 Gr. GJL200 / IBR 86 TO 93 Gr. A |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | ØFD | k | n | Ød | FT |
|-------------------|---------|-------|-------|----|------|------|
| 25 | 162 | 120.7 | 87.3 | 4 | 17.5 | 12.7 |
| 40 | 206 | 139.7 | 104.8 | 4 | 17.5 | 15.9 |
| 50 | 210 | 165.1 | 127 | 4 | 17.5 | 19.1 |
| 65 | 248 | 184.2 | 146.1 | 8 | 17.5 | 19.1 |
| 80 | 270 | 203.2 | 165.1 | 8 | 17.5 | 19.1 |
| 100 | 381 | 228.6 | 190.5 | 8 | 17.5 | 22.3 |
| 125 | 416 | 279.4 | 235 | 8 | 22.3 | 25.4 |
| 150 | 451 | 304.8 | 260.4 | 12 | 22.3 | 25.4 |
| 200 | 523 | 368.3 | 323.9 | 12 | 22.3 | 28.6 |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



AV-257 Cast Iron Y-Type Strainer (Screwed Ends)

Features

BSP Taper Threads as per BS 21

Test Pressure

Body : 300 Psig (Hyd.)

Max. Steam Working Pressure : 150 Psig

Max. Working Temp. : 220°C

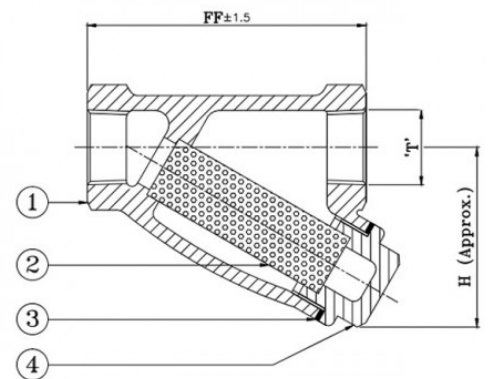
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------|-----------------|--------------------------|
| 1 | Body | Cast Iron | IBR 86 to 93 Gr.A |
| 2 | Screen | Stainless Steel | Type 304 1mm Perforation |
| 3 | Gasket | C.A.F | - |
| 4 | Cover | Cast Iron | IBR 86 to 93 Gr.A |



Dimensional Data

| Nominal Size (mm) | FF ± 1.5 | H | T |
|-------------------|----------|-----|--------|
| 15 | 76 | 62 | 1/2" |
| 20 | 98 | 71 | 3/4" |
| 25 | 140 | 90 | 1" |
| 32 | 152 | 115 | 1.1/4" |
| 40 | 178 | 142 | 1.1/2" |
| 50 | 222 | 162 | 2" |



AV-258 Cast Iron Accessible Feed Check Valve

Features

Bolted Bonnet, O/S Screw & Yoke Type, Curved Inlet, Without Inspection Branch Flanges as per BS-10 Table 'F'

Test Pressure

Test Pressure : 300 Psig (Hyd.)
Max. B.O.P. : 150 Psig
Max. Working Temp. : 220°C

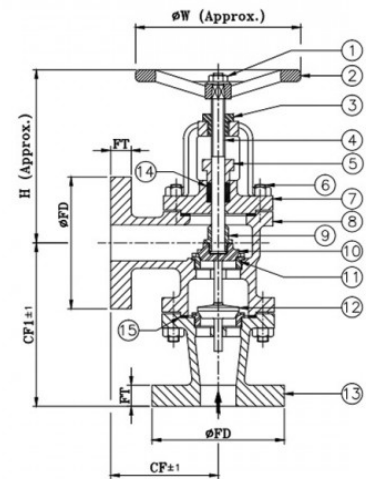
Suitability

Water, Steam



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|---|--------------------|---|
| 1 | Nut | Carbon Steel | - |
| 2 | Handwheel | Cast Iron / M.I. | IS 210 Gr. FG200 |
| 3 | Yoke Bush | Stainless Steel | ASTM A582 Type 416 / ASTM A276 Type 410 |
| 4 | Stem | Stainless Steel | ASTM A276 Type 410 |
| 5 | Gland | Cast Iron | IBR 86 TO 93 Gr. A / IS 210 Gr. FG200 |
| 6 | Studs and Nuts | Carbon Steel | - |
| 7 | Bonnet | Cast Iron | IBR 86 TO 93 Gr. A / IS 210 Gr. FG200 |
| 8 | Body | Cast Iron | IBR-86 TO 93 Gr. A / IS 210 Gr. FG200 |
| 9 | Disc Nut | Stainless Steel | ASTM A276 Type 410 |
| 10 | Disc | Stainless Steel | ASTM A276 Type 410 / ASTM A217 Gr. CA15 |
| 11 | Body Seat Ring | Stainless Steel | ASTM A276 Type 410 + Stellite |
| 12 | Check Valve Disc | Stainless Steel | ASTM A276 Type 410 / ASTM A217 Gr. CA15 |
| 13 | Inlet Body | Cast Iron | IBR-86 TO 93 Gr. A / IS 210 Gr. FG200 |
| 14 | Gland Packing | Graphited Asbestos | - |
| 15 | Gasket | CAF | - |
| 16 | Plug | Stainless Steel | ASTM A276 Type 410 |
| 17 | T-Head Bolts & Nuts for Gland (Not Shown) | Carbon Steel | - |



Dimensional Data

| Nominal Size (mm) | CF ±1 | CF1 ±1 | H | ØW | ØFD | FT |
|-------------------|-------|--------|-----|-----|-------|------|
| 25 | 116 | 152.5 | 190 | 175 | 120.7 | 12.7 |
| 32 | 108 | 167 | 200 | 175 | 133.4 | 15.9 |
| 40 | 114 | 173 | 210 | 175 | 139.7 | 15.9 |
| 50 | 127 | 203 | 230 | 175 | 165.1 | 19.1 |
| 65 | 152 | 238 | 275 | 250 | 184.2 | 19.1 |



AV-258A Cast Iron Accessible Feed Check Valve

Features

Bolted Bonnet, Outside Screw & Yoke Type, Straight Inlet, With Inspection Branch
Flanges as per BS-10 Table 'H' FF

Test Pressure

Body : 300 Psig (Hyd.)
Max. B.O.P. : 150 Psig (Steam)
Max. Working Temp. : 220°C

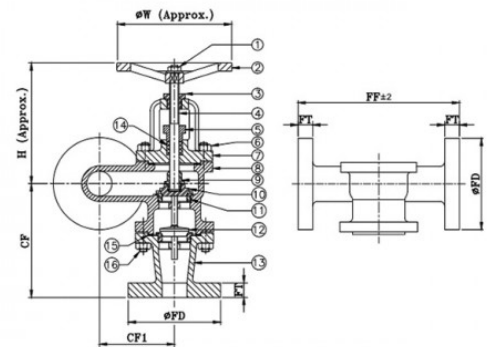
Suitability

Water, Steam



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|---|----------------------------|---|
| 1 | Nut | Carbon Steel | - |
| 2 | Handwheel | Cast Iron/M.I. | IS 210 Gr. FG200/ - |
| 3 | Yoke Bush | Stainless Steel/Al. Bronze | ASTM A276 Type 410 / BSEN 1982 Gr. CC3314 |
| 4 | Stem | Stainless Steel | ASTM A276 Type 410 |
| 5 | Gland | Cast Iron | IBR-86 TO 93 Gr. A / IS 210 Gr. FG200 |
| 6 | Studs and Nuts | Carbon Steel | - |
| 7 | Bonnet | Cast Iron | IBR-86 TO 93 Gr. A / IS 210 Gr. FG200 |
| 8 | Body | Cast Iron | IBR-86 TO 93 Gr. A / IS 210 Gr. FG200 |
| 9 | Disc Nut | Stainless Steel | ASTM A276 Type 410 |
| 10 | Disc | Stainless Steel | ASTM A276 Type 410 / ASTM A217 Gr. CA15 |
| 11 | Body Seat Ring | Stainless Steel | ASTM A276 Type 410 |
| 12 | Check Valve Disc | Stainless Steel | ASTM A276 Type 410 / ASTM A217 Gr. CA15 |
| 13 | Inlet Body | Cast Iron | IBR-86 TO 93 Gr. A / IS 210 Gr. FG200 |
| 14 | Gland Packing | Graphited Asbestos | - |
| 15 | Gasket | C.A.F. | - |
| 16 | Studs & Nuts | Carbon Steel | - |
| 17 | T-Head Bolts & Nuts for Gland (Not Shown) | Carbon Steel | - |



Dimensional Data

| Nominal Size (mm) | FF ±2 | CF ±1 | CF1 ±1 | H | ØW | ØFD | FT |
|-------------------|-------|-------|--------|-----|-----|-------|------|
| 40 | 228 | 173 | 102 | 210 | 175 | 139.7 | 22.3 |
| 50 | 254 | 203 | 124 | 230 | 175 | 165.1 | 25.4 |
| 65 | 280 | 238 | 140 | 275 | 250 | 184.2 | 25.4 |



AV-259 Cast Iron Stop Cum Non-Return Valve, PN 16

Features

Straight Right Angle Pattern, Bolted Bonnet, Outside Screw & Yoke Type
Flanges as per BSEN 1092-2 RF (PN 16)

Test Pressure

Body : 24 kg/cm²g (348 Psig) Hyd.
Seat : 17.6 kg/cm²g (255 Psig) Hyd.

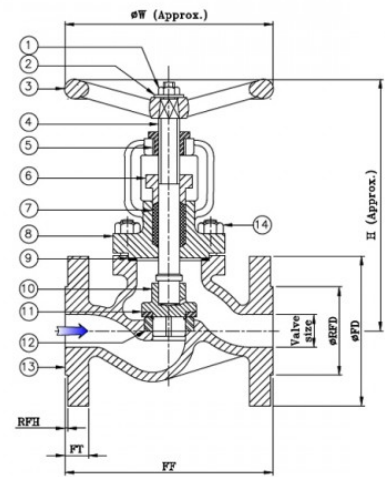
Suitability

Water, Steam, Oil



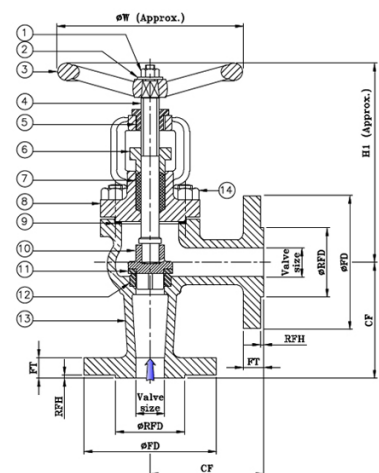
Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|-------------------------------|----------------------------|---|
| 1 | Nut | Carbon Steel | - |
| 2 | Washer | Carbon Steel | - |
| 3 | Handwheel | Cast Iron | IS 210 Gr. FG 200 |
| 4 | Stem | Stainless Steel | ASTM A276 Type 410 |
| 5 | Yoke Bush | Al. Bronze/Stainless Steel | BS 1982 Gr. CC331G / ASTM A582 Type 416 |
| 6 | Gland Flange | Cast Iron | IBR 86 TO 93 Gr.A |
| 7 | Gland Packing | Graphited Asbestos | - |
| 8 | Bonnet | Cast Iron | IBR 86 to 93 Gr.A |
| 9 | Gasket | C.A.F | - |
| 10 | Disc | Cast Iron | IBR 86 to 93 Gr.A |
| 11 | Disc Ring | Stainless Steel | ASTM A276 Type 410 |
| 12 | Body Seat Ring | Stainless Steel | ASTM A276 Type 410 |
| 13 | Body | Cast Iron | IBR 86 to 93 Gr.A |
| 14 | Studs and Nuts | Carbon Steel | - |
| 15 | T-Head Bolts & Nuts for Gland | Carbon Steel | - |



Dimensional Data

| Nominal Size (mm) | FF | H | CF | H1 | W | FD | FT | RFD | RFH |
|-------------------|--------|-----|--------|-----|-----|-----|----|-----|-----|
| 15 | 130 ±1 | 175 | 90 ±1 | 150 | 100 | 95 | 14 | 46 | 2 |
| 20 | 150 ±1 | 180 | 95 ±1 | 150 | 100 | 105 | 16 | 56 | 2 |
| 25 | 160 ±1 | 205 | 100 ±1 | 160 | 100 | 115 | 16 | 65 | 3 |
| 32 | 180 ±1 | 240 | 105 ±1 | 170 | 165 | 140 | 18 | 76 | 3 |
| 40 | 200 ±1 | 265 | 115 ±1 | 220 | 165 | 150 | 18 | 84 | 3 |
| 50 | 230 ±2 | 275 | 125 ±1 | 260 | 165 | 165 | 20 | 99 | 3 |
| 65 | 290 ±2 | 317 | 145 ±1 | 280 | 200 | 185 | 20 | 118 | 3 |
| 80 | 310 ±2 | 330 | 155 ±1 | 300 | 200 | 200 | 22 | 132 | 3 |
| 100 | 350 ±2 | 380 | 175 ±1 | 350 | 250 | 220 | 24 | 156 | 3 |
| 125 | 400 ±2 | 410 | 200 ±1 | 400 | 250 | 250 | 26 | 184 | 3 |
| 150 | 480 ±3 | 440 | 225 ±2 | 430 | 315 | 285 | 26 | 211 | 3 |





AV-260 Cast Iron Vertical Inverted Bucket Type Steam Trap

Features

With renewable Stainless Steel working parts
Screwed Female BSP Parallel Threads as per BS-21

Test Pressure

Body : 300 Psig (Hyd.)
Working pressure suitable saturated steam upto 150 Psig

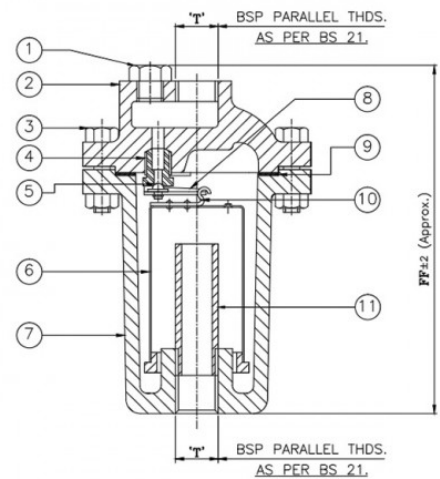
Suitability

Water, Steam



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|----------------|-----------------|--------------------|
| 1 | Plug | Carbon Steel | - |
| 2 | Cover | Cast Iron | IBR 86 to 93 Gr.A |
| 3 | Bolts and Nuts | Carbon Steel | - |
| 4 | Valve Seat | Stainless Steel | ASTM A276 Type 410 |
| 5 | Ball Seat | Stainless Steel | ASTM A276 Type 410 |
| 6 | Bucket | Stainless Steel | ASTM A276 Type 304 |
| 7 | Body | Cast Iron | IBR 86 to 93 Gr.A |
| 8 | Valve Lever | Stainless Steel | ASTM A276 Type 304 |
| 9 | Gasket | C.A.F. | - |
| 10 | Hook | Stainless Steel | ASTM A276 Type 304 |
| 11 | Syphon Pipe | Carbon Steel | - |



Dimensional Data

| Nominal Size (mm) | FF ±2 | T |
|-------------------|-------|--------|
| 15 | 210 | 1/2" |
| 20 | 210 | 3/4" |
| 25 | 275 | 1" |
| 32 | 395 | 1.1/4" |
| 40 | 395 | 1.1/2" |
| 50 | 452 | 2" |



AV-261 Cast Iron Spring Loaded Single Post High Lift Safety Valve

Features

Inlet Flanged to BS-10 Table 'F' FF (Undrilled) Outlet Flanged to BS-10 Table 'D' FF (Undrilled)

Test Pressure

Body Test Pressure : 300 Psig (Hyd.)
 Max. set pressure : 150 Psig (Steam)
 Working Temp. : 220°C

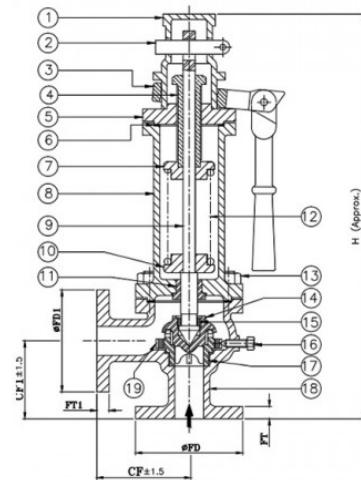
Suitability

Water, Steam



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|-------------------|-----------------|---|
| 1 | Cap | Cast Iron | IBR 86 To 93 Gr. A |
| 2 | Cotter | Cast Iron | IBR 86 To 93 Gr. A |
| 3 | Lever | Cast Iron | IBR 86 To 93 Gr. A |
| 4 | Adjusting Screw | Bronze | IBR 282 (a) (iv) Gr. B |
| 5 | Cover | Cast Iron | IBR 86 To 93 Gr. A |
| 6 | Gasket | C.A.F | - |
| 7 | Upper Spring Disc | Cast Iron | IBR 86 TO 93 Gr. A |
| 8 | Spring Chamber | Cast Iron | IBR 86 to 93 Gr. A |
| 9 | Stem | Stainless Steel | ASTM A276 Type 410 |
| 10 | Lower Spring Disc | Cast Iron | IBR 86 TO 93 Gr. A |
| 11 | Bush | Bronze | IBR 282 (a) (iv) Gr. B |
| 12 | Spring | Carbon Steel | IBR 307 To 314 |
| 13 | Bolts and Nuts | Carbon Steel | - |
| 14 | Disc | Stainless Steel | ASTM A217 Gr. CA15 / ASTM A 276 Type 410 + Stellite |
| 15 | Ring | Bronze | IBR 282 (a) (iv) Gr. B |
| 16 | Screw | Carbon Steel | - |
| 17 | Body Seat Ring | Stainless Steel | ASTM A276 Type 410 |
| 18 | Body | Cast Iron | IBR 86 TO 93 Gr. A |
| 19 | Adjusting Ring | Bronze | IBR 282 (a) (iv) Gr. B |



Dimensional Data

| Nominal Size (mm) | CF ±1.5 | CF1 ±1.5 | ØFD | FT | ØFD1 | FT1 | H |
|-------------------|---------|----------|-------|------|-------|------|-----|
| 25 | 108 | 89 | 120.7 | 12.7 | 114.3 | 12.7 | 460 |
| 40 | 121 | 102 | 139.7 | 15.9 | 133.4 | 15.9 | 536 |
| 50 | 140 | 121 | 165.1 | 19.1 | 152.4 | 17.5 | 587 |



AV-262 Cast Iron Double Post Safety Valve

Features

High Lift, Spring Loaded with Stainless Steel Seat, Stainless Steel Stem
Inlet Flanged to BS-10 Table 'F' FF (Undrilled), Outlet Flanged to BS-10 Table 'D' FF (Undrilled)

Test Pressure

Body : 300 Psig (Hyd.)
Max. set Pressure : 150 Psig (Steam)
Max. Working Temp. : 220°C

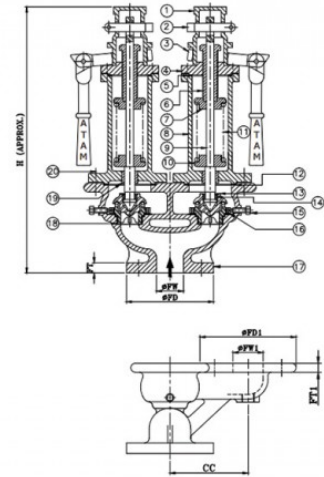
Suitability

Steam



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|-------------------|-----------------|--|
| 1 | Cap | Cast Iron | IBR 86 To 93 Gr.A |
| 2 | Cotter | Cast Iron | IBR 86 To 93 Gr.A |
| 3 | Lever | Cast Iron | IBR 86 To 93 Gr.A |
| 4 | Cover | Cast Iron | IBR 86 To 93 Gr.A |
| 5 | Gasket | C.A.F. | - |
| 6 | Adjusting Screw | Bronze | IBR 282 (a) (iv) Gr.B |
| 7 | Upper Spring Disc | Cast Iron | IBR 86 To 93 Gr.A |
| 8 | Spring Chamber | Cast Iron | IBR 86 To 93 Gr.A |
| 9 | Stem | Stainless Steel | AISI 410 |
| 10 | Lower Spring Disc | Cast Iron | IBR 86 To 93 Gr.A |
| 11 | Spring | Spring Steel | IBR 307 |
| 12 | Gasket | C.A.F. | - |
| 13 | Disc | Stainless Steel | ASTM A217 Gr. CA15 / ASTM A276 Type 410 + Stellite |
| 14 | Ring | Bronze | IBR 282 (a) (iv) Gr.B |
| 15 | Screw | Carbon Steel | - |
| 16 | Regulating Ring | Bronze | IBR 282 (a) (iv) Gr.B |
| 17 | Body | Cast Iron | IBR 86 to 93 Gr.A |
| 18 | Body Seat Ring | Stainless Steel | ASTM A276 Type 410 + Stellite |
| 19 | Bush | Bronze | IBR 282 (a) (iv) Gr.B |
| 20 | Bolts and Nuts | Carbon Steel | - |



Dimensional Data

| Nominal Size (mm) | CC | ØFW | ØFD | FT | ØFW1 | ØFD1 | FT1 | H |
|-------------------|-------|------|-------|------|------|-------|------|-----|
| 25 | 152.4 | 38.1 | 139.7 | 15.9 | 38.1 | 133.4 | 15.9 | 480 |
| 40 | 165 | 57.2 | 184.2 | 19.1 | 63.5 | 165.1 | 17.5 | 565 |
| 50 | 190.5 | 73 | 203.2 | 22.3 | 76.2 | 184.2 | 19.1 | 630 |



AV-263 Cast Iron Pilot Operated Pressure Reducing Valve

Features

With Stainless Steel working part, Renewable Seat
Flanged Ends as per BS-10, Table F

Test Pressure

Body : 300 Psig (Hyd.)
Max working pressure : 150 Psig (Steam)
Max. working temp. : 220°C

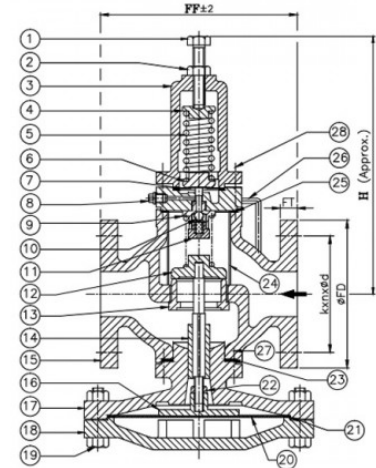
Suitability

Steam



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--|-----------------------------|----------------------------------|
| 1 | Adjusting Screw | Carbon Steel | - |
| 2 | Locking Nut | Carbon Steel | - |
| 3 | Spring Housing | S.G.I. | EN 1563 Gr. GJS - 400-15 |
| 4 | Spring Top Disc | Stainless Steel | AISI 410 |
| 5 | Pressure Adjusting Spring | Stainless Steel | AISI 304 |
| 6 | Spring Bottom Disc | Stainless Steel | AISI 410 |
| 7 | Diaphragm | Stainless Steel | AISI 304 |
| 8 | Side Plug | Stainless Steel | AISI 410 |
| 9 | Pilot Value Body | Stainless Steel | AISI 304 |
| 10 | Ball | Stainless Steel | AISI 304 |
| 11 | Pilot Valve Spring Retaining Check Nut | Stainless Steel | AISI 304 |
| 12 | Main Valve Disc | Stainless Steel | AISI 410 + STELLITE |
| 13 | Body Seat Ring | Stainless Steel | AISI 410 + STELLITE |
| 14 | Push Rod Guide Sleeve | Stainless Steel | AISI 410 |
| 15 | Main Valve Body | Cast Iron | IBR 86 TO 93 Gr. A |
| 16 | Main Diaphragm Disc | Gun Metal / Stainless Steel | IBR 282 (a) (iv) Gr.B / AISI 410 |
| 17 | Half Upper Cover | Cast Iron | IBR 86 TO 93 Gr. A |
| 18 | Half Lower Cover | Cast Iron | IBR 86 TO 93 Gr. A |
| 19 | Bolts & Nuts | Carbon Steel | - |
| 20 | Diaphragm | Stainless Steel | AISI 304 |
| 21 | Gasket | C.A.F. | IS 2712 |
| 22 | Push Rod Lock Nut | Stainless Steel | AISI 410 |
| 23 | Gasket | C.A.F. | IS 2712 |
| 24 | Strainer Screen | Stainless Steel | AISI 304 |
| 25 | Gasket | C.A.F. | - |
| 26 | By Pass Assy. | - | - |
| 27 | Studs & Nuts | Carbon Steel | - |
| 28 | Studs & Nuts | Carbon Steel | - |



Dimensional Data

| Nominal Size (mm) | FF ±2 | H | ØFD | FT | k | n | Ød |
|-------------------|-------|-----|-------|------|------|---|------|
| 25 | 165 | 215 | 120.7 | 12.7 | 87.3 | 4 | 17.5 |



| Nominal Size (mm) | FF ±2 | H | ØFD | FT | k | n | Ød |
|--------------------------|--------------|----------|------------|-----------|----------|----------|-----------|
| 40 | 203 | 245 | 139.7 | 15.9 | 104.8 | 4 | 17.5 |
| 50 | 248 | 295 | 165.1 | 19.1 | 127 | 4 | 17.5 |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



AV-264 Cast Iron Moisture Separator



Features

Horizontal Type

Flanges as per BS-10 Table 'F' FF (Undrilled)

Test Pressure

Body : 300 Psig Hyd.

Max. B.O.P. : 150 Psig (Steam)

Max. Working Temp. : 220°C

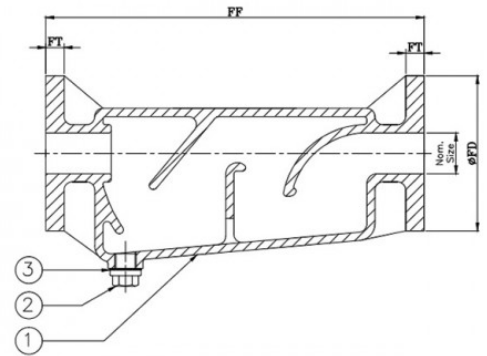
Suitability

Steam



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------|--------------|--------------------|
| 1 | Body | Cast Iron | IBR 86 To 93 Gr. A |
| 2 | Plug | Carbon Steel | - |
| 3 | Gasket | CAF | IS 2712 |



Dimensional Data

| Nominal Size (mm) | FF | ØFD | FT |
|-------------------|--------|-------|------|
| 25 | 300 ±2 | 120.7 | 12.7 |
| 40 | 370 ±2 | 139.7 | 15.9 |
| 50 | 370 ±2 | 165.1 | 19.1 |
| 65 | 480 ±3 | 184.2 | 19.1 |
| 80 | 480 ±3 | 203.2 | 19.1 |
| 100 | 692 ±4 | 228.6 | 22.3 |
| 150 | 795 ±4 | 304.8 | 25.4 |



AV-265 Cast Iron Full Lift Safety Valve

Features

Spring Loaded, With Stainless Steel, Working Parts
Inlet Flanged to BS-10 Table 'F' FF (Undrilled), Outlet Flanged to BS-10 Table 'D' FF (Undrilled)

Test Pressure

Body : 300 Psig (Hyd.)
Max. set pressure : 150 Psig (Steam)
Max. working temp. : 220°C

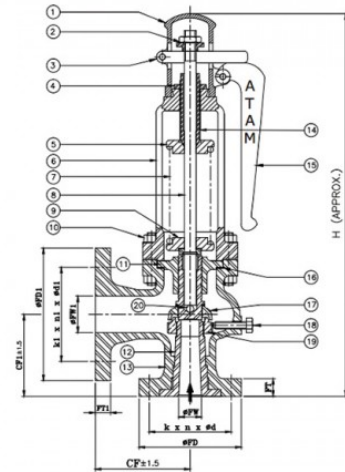
Suitability

Steam



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|-------------------|----------------------------------|---|
| 1 | Cap | Cast Iron | IBR 86 To 93 Gr.A |
| 2 | Locking Nut | Bronze | IBR 282 (a) (iv) Gr.B |
| 3 | Fork | Cast Carbon Steel | IBR 73 To 80 |
| 4 | Check Nut | Stainless Steel | AISI 410 |
| 5 | Upper Spring Disc | Cast Carbon Steel / Carbon Steel | IBR 73 To 80 / - |
| 6 | Bonnet | Cast Iron | IBR 86 To 93 Gr. A |
| 7 | Spring | Carbon Steel | - |
| 8 | Stem | Stainless Steel | AISI 410 |
| 9 | Lower Spring Disc | Cast Carbon Steel / Carbon Steel | IBR 73 To 80 / - |
| 10 | Bolts/Stud & Nuts | Carbon Steel | - |
| 11 | Disc Guide | Stainless Steel | AISI 410 |
| 12 | Nozzle | Stainless Steel | AISI 410 + STELLITE |
| 13 | Body | Cast Iron | IBR 86 TO 93 Gr.A |
| 14 | Adjusting Screw | Bronze | IBR 282 (a) (iv) Gr.B |
| 15 | Handle | S.G. Iron / Cast Iron | - |
| 16 | Gasket | C.A.F. | - |
| 17 | Disc | C.S.S./ Stainless Steel | ASTM A217 Gr. CA15 / AISI 410 +STELLITE |
| 18 | Bolt | Carbon Steel | - |
| 19 | Regulating Ring | Bronze | IBR 282 (a) (iv) Gr.B |
| 20 | Ball | Stainless Steel | - |



Dimensional Data

| Nominal Size (mm) | CF ±1.5 | ØFW | ØFD | FT | k | n | Ød | CF1 | ØFW1 | ØFD1 | FT1 | k1 | n1 | Ød1 | H |
|-------------------|---------|-----|-------|------|-------|---|------|-----|------|-------|------|-------|----|------|-----|
| 25x40 | 100 | 26 | 120.7 | 12.7 | 87.3 | 4 | 17.5 | 95 | 40 | 133.4 | 15.9 | 98.4 | 4 | 14.3 | 435 |
| 40x50 | 130 | 40 | 139.7 | 15.9 | 104.8 | 4 | 17.5 | 112 | 50 | 152.4 | 17.5 | 114.3 | 4 | 17.5 | 520 |



AV-266 Cast Iron Vertical Check Valve

Features

Single Piece Design
Flanged Ends as per BSEN 1092-2, PN 16

Test Pressure

Body : 24 kg/cm²g (341 Psig) Hyd
Seat : 17.6 kg/cm²g (250 Psig) Hyd
B.O.P. : 13 kg/cm²g (185 Psig) (Steam)
Max. working temp. : 220°C

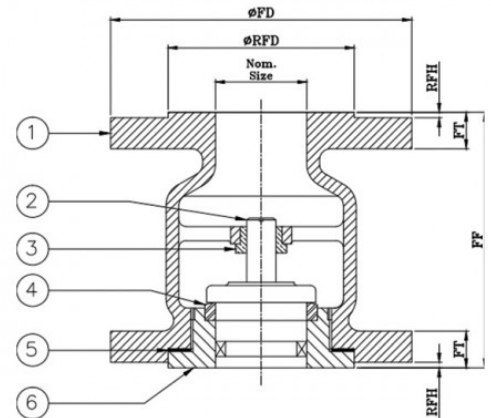
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|----------------|-----------------|---|
| 1 | Body | Cast Iron | IBR 86 to 93 Gr.A |
| 2 | Disc | Stainless Steel | ASTM A276 Type 410 / ASTM A182 Gr. F6A / ASTM A217 Gr. CA15 |
| 3 | Bush | Bronze | IBR 282 (a) (iv) Gr. B |
| 4 | Body Seat Ring | Stainless Steel | ASTM A276 Type 410 / ASTM A182 Gr. F6A / ASTM A217 Gr. CA15 |
| 5 | Gasket | C.A.F. | - |
| 6 | Insert | Cast Iron | IBR 86 to 93 Gr.A |



Dimensional Data

| Nominal Size (mm) | FF | ϕFD | FT | ϕRFD | RFH | k | n | ϕd |
|-------------------|--------|-----------|----|------------|-----|-----|---|----------|
| 40 | 130 ±2 | 150 | 18 | 84 | 3 | 110 | 4 | 19 |
| 50 | 140 ±2 | 165 | 20 | 99 | 3 | 125 | 4 | 19 |
| 65 | 160 ±2 | 185 | 20 | 118 | 3 | 145 | 4 | 19 |
| 80 | 185 ±2 | 200 | 22 | 132 | 3 | 160 | 8 | 19 |
| 100 | 210 ±2 | 220 | 24 | 156 | 3 | 180 | 8 | 19 |
| 125 | 250 ±2 | 250 | 26 | 184 | 3 | 210 | 8 | 19 |
| 150 | 480 ±2 | 285 | 26 | 211 | 3 | 240 | 8 | 23 |

k - P.C.D; n - Number of Holes; ϕd - Diameter of Holes



AV-268 C.S.S. Wafer Type Non Slam Check Valve

Features

Suitable for Insertion between PN-10/PN-16/Class-150/BS-10 Table-E/F

Test Pressure

Body : 24 Bar (Hyd.)

Seat : 17.6 Bar (Hyd.)

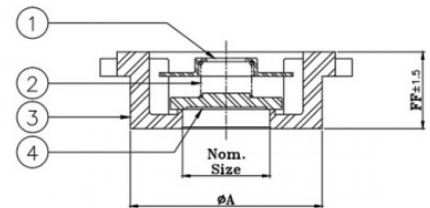
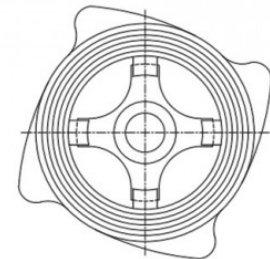
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------|-----------------|---------------|
| 1 | Spring Cover | Stainless Steel | AISI 304 |
| 2 | Spring | Stainless Steel | - |
| 3 | Body | C.S.S. | ASTM A351 CF8 |
| 4 | Disc | Stainless Steel | AISI 304 |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | ØA |
|-------------------|---------|----|
| 15 | 16 | 38 |
| 20 | 20 | 47 |
| 25 | 22 | 54 |
| 40 | 32 | 76 |
| 50 | 40 | 93 |



AV-269 Cast Iron Ball Float Steam Trap Valve

Features

Horizontal Type, Side Inlet Side Outlet, SS working parts
Screwed Female BSP Parallel Threads to (BS-21)

Test Pressure

Body : 300 Psig (Hyd.) Steam : 150 Psig
Max. Working Pressure : 150 Psig
Max. Working Temp. : 220°C

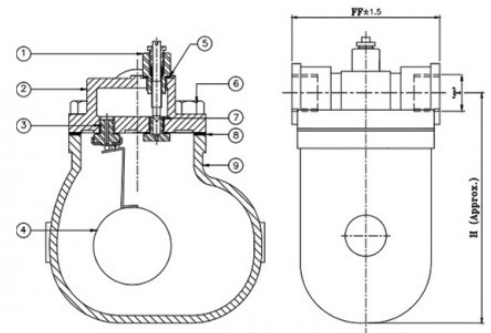
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|---------------|-----------------|-------------------|
| 1 | SLR Assembly | Stainless Steel | AISI 304 |
| 2 | Cover | Cast Iron | IBR 86 TO 93 Gr.A |
| 3 | Seat Assembly | Stainless Steel | AISI 304 |
| 4 | Ball Float | Stainless Steel | AISI 304 |
| 5 | Washer | Copper | - |
| 6 | Bolts & Nuts | Carbon Steel | - |
| 7 | Nipple | Stainless Steel | AISI 410 |
| 8 | Gasket | C.A.F. | - |
| 9 | Body | Cast Iron | IBR 86 TO 93 Gr.A |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | T |
|-------------------|---------|-----|--------|
| 1" (25) | 140 | 200 | 1" |
| 1 1/2" (40) | 273 | 250 | 1 1/2" |



AV-270 Stainless Steel Thermo Dynamic Steam Trap

Features

Screwed Ends

Test Pressure

Body : 900 Psi g (Hyd.), 450 Psi g (Steam)

Max. Service Temp. : 425°C

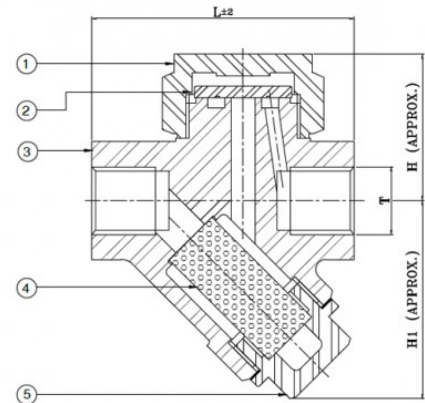
Suitability

Steam



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------|-----------------|---------------|
| 1 | Cover | Stainless Steel | Type 304 |
| 2 | Disc | Stainless Steel | Type 410 |
| 3 | Body | Stainless Steel | Type 304 |
| 4 | Screen | Stainless Steel | Type 304 |
| 5 | Plug | Stainless Steel | Type 304 |



T-B.S.P. THDS. AS PER BS:21

Dimensional Data

| Nominal Size (mm) | L ± 2 | T | H | H1 |
|-------------------|-------|------|----|----|
| 15 | 78 | 1/2" | 44 | 61 |
| 20 | 78 | 3/4" | 44 | 61 |
| 25 | 88 | 1" | 48 | 68 |



AV-276 C.C.S. Globe Steam Stop Valve, PN 40

Features

Bolted Bonnet, Yoke Type, Outside Screw, Rising Stem, Stainless Steel Trim with Back Arrangement Conforming BS 5160 / DIN 2401
 Flanged Ends as per BSEN 1092-1, PN 40
 Product Standard : BSEN-13709:02 (BS-5160)

Test Pressure

Body : 60 Bar (Hyd.)
 Seat : 40 Bar (Hyd.)
 Max. Working Temp. : 400°C
 Testing Standard : BSEN-12266 Part-1

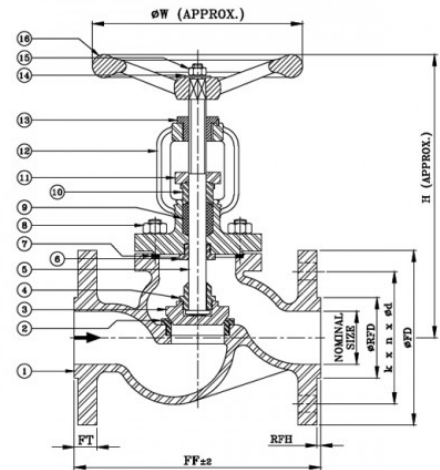
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|----------------|-----------------------------|---|
| 1 | Body | C.C.S. | ASTM A216 Gr. WCB |
| 2 | Body Seat Ring | Stainless Steel | ASTM A276 Type 410 / IS 6603 / ASTM A217 Gr. CA15 |
| 3 | Disc | Stainless Steel | ASTM A276 Type 410 / ASTM A217 Gr. CA15 |
| 4 | Disc Nut | Stainless Steel | ASTM A276 Type 410 |
| 5 | Stem | Stainless Steel | ASTM A276 Type 410 |
| 6 | Back Seat Bush | Stainless Steel | ASTM A276 Type 410 |
| 7 | Gasket | Non Asbestos Fibre | - |
| 8 | Studs & Nuts | Carbon Steel | - |
| 9 | Packing | Flexible Graphite | - |
| 10 | Gland | Stainless Steel | ASTM A276 Type 410 |
| 11 | Gland Flange | C.C.S. | ASTM A216 Gr. WCB |
| 12 | Bonnet | C.C.S. | ASTM A216 Gr. WCB |
| 13 | Yoke Bush | Stainless Steel /Al. Bronze | ASTM A582 Type 416 / BS 1982 CC331G |
| 14 | Handwheel | Cast Iron / M.I. | - |
| 15 | Studs & Nuts | Carbon Steel | - |



Dimensional Data

| Nominal Size (mm) | FF | ϕFD | ϕRFD | RFH | k | n | ϕd | FT |
|-------------------|-------------|-----------|------------|-----|-----|----|----------|----|
| 15 | 130 \pm 2 | 95 | 45 | 2 | 65 | 4 | 14 | 16 |
| 20 | 150 \pm 2 | 105 | 58 | 2 | 75 | 4 | 14 | 18 |
| 25 | 160 \pm 2 | 115 | 68 | 2 | 85 | 4 | 14 | 18 |
| 32 | 180 \pm 2 | 140 | 78 | 2 | 100 | 4 | 18 | 18 |
| 40 | 200 \pm 2 | 150 | 88 | 3 | 110 | 4 | 18 | 18 |
| 50 | 230 \pm 2 | 165 | 102 | 3 | 125 | 4 | 18 | 20 |
| 65 | 290 \pm 3 | 185 | 122 | 3 | 145 | 8 | 18 | 22 |
| 80 | 310 \pm 3 | 200 | 138 | 3 | 160 | 8 | 18 | 24 |
| 100 | 350 \pm 3 | 235 | 162 | 3 | 190 | 8 | 22 | 24 |
| 125 | 400 \pm 3 | 270 | 188 | 3 | 220 | 8 | 26 | 26 |
| 150 | 480 \pm 3 | 300 | 218 | 3 | 250 | 8 | 26 | 28 |
| 200 | 600 \pm 4 | 375 | 285 | 3 | 320 | 12 | 30 | 34 |

k - P.C.D; n - Number of Holes; ϕd - Diameter of Holes



AV-277 C.C.S. Horizontal Lift Check Valve (Flanged Ends)



Features

Flanged End as per BSEN 1092-1, PN-40, RF
Product Standard : BS-13709 (BS-5160)

Test Pressure

Body : 60 Bar (Hyd.)
Seat : 40 Bar (Hyd.)
Max. Working Temp. : 400°C
Testing Standard : BS-12266, Part-1

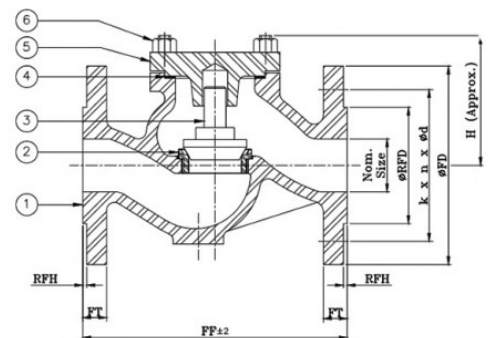
Suitability

Water, Steam



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|----------------|----------------------------------|---|
| 1 | Body | C.C.S. | ASTM A216 Gr. WCB |
| 2 | Body Seat Ring | Stainless Steel / F.S.S./ C.A.S. | ASTM A276 Type 410 / ASTM A182 Gr. F6A / ASTM A217 Gr. CA15 |
| 3 | Disc | S.S. | ASTM A276 Type 410 |
| 4 | Gasket | C.A.F / Non Asbestos Fibre | - |
| 5 | Cover | C.C.S. | ASTM A216 Gr. WCB |
| 6 | Studs And Nuts | Carbon Steel | - |



Dimensional Data

| Nominal Size (mm) | FF | H | ØFD | FT | ØRFD | RFH | k | n | Ød |
|-------------------|--------|-----|-----|----|------|-----|-----|----|----|
| 15 | 130 ±2 | 75 | 95 | 16 | 45 | 2 | 65 | 4 | 14 |
| 20 | 150 ±2 | 80 | 105 | 18 | 58 | 2 | 75 | 4 | 14 |
| 25 | 160 ±2 | 88 | 115 | 18 | 68 | 2 | 85 | 4 | 14 |
| 32 | 180 ±2 | 96 | 140 | 18 | 78 | 2 | 100 | 4 | 18 |
| 40 | 200 ±2 | 100 | 150 | 18 | 88 | 3 | 110 | 4 | 18 |
| 50 | 230 ±2 | 116 | 165 | 20 | 102 | 3 | 125 | 4 | 18 |
| 65 | 290 ±3 | 140 | 185 | 22 | 122 | 3 | 145 | 8 | 18 |
| 80 | 310 ±3 | 152 | 200 | 24 | 138 | 3 | 160 | 8 | 18 |
| 100 | 350 ±3 | 178 | 235 | 24 | 162 | 3 | 190 | 8 | 22 |
| 125 | 400 ±3 | 215 | 270 | 26 | 188 | 3 | 220 | 8 | 26 |
| 150 | 480 ±3 | 260 | 300 | 28 | 218 | 3 | 250 | 8 | 26 |
| 200 | 600 ±4 | 335 | 375 | 34 | 285 | 3 | 320 | 12 | 30 |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



AV-278 C.C.S. Parallel Slide Blow Off Valve

Features

Bolted Bonnet, Rack and Pinion Operated
Flanged Ends as per BS-10 Table 'J' FF (Undrilled)

Test Pressure

Body : 700 Psi g (Hyd.)
Max. B.O.P. : 350 Psi g at 400°C

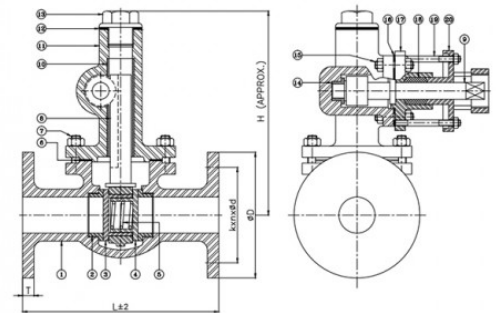
Suitability

Water, Steam



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|----------------|--|------------------------------|
| 1 | Body | C.C.S | ASTM A 216 Gr. WCB |
| 2 | Body Seat Ring | Stainless Steel | AISI 410 + STELLITED |
| 3 | Female Disc | Stainless Steel | AISI 410 + STELLITED |
| 4 | Male Disc | Stainless Steel | AISI 410 + STELLITED |
| 5 | Spring | Carbon Steel | IBR 307 |
| 6 | Gasket | SP.WD.Stainless Steel 304 With Graphoil Filler | - |
| 7 | Studs & Nuts | Carbon Steel | - |
| 8 | Rack | Stainless Steel/ C.A.S. | AISI 410/ ASTM A217 Gr. CA15 |
| 9 | Pinion | Stainless Steel/ C.A.S. | AISI 410/ ASTM A217 Gr. CA15 |
| 10 | Bush | Bronze | IBR 282 (a) Gr. B |
| 11 | Bonnet | C.C.S | ASTM A216 Gr. WCB |
| 12 | Gasket | Non Asbestos | - |
| 13 | Plug | Stainless Steel | AISI 410 |
| 14 | Bush | Stainless Steel | AISI 410 |
| 15 | Studs & Nuts | Carbon Steel | - |
| 16 | Gasket | Non Asbestos | - |
| 17 | Stuffing Box | C.C.S | ASTM A216 Gr. WCB |
| 18 | Gland Packing | Graphoil | - |
| 19 | Studs & Nuts | Carbon Steel | - |
| 20 | Gland Flange | C.C.S | ASTM A216 Gr. WCB |



Dimensional Data

| Nominal Size (mm) | L ±2 | H | ØD | T | k | n | Ød |
|-------------------|------|-----|-------|------|-------|---|------|
| 25 | 203 | 225 | 120.7 | 19.1 | 87.3 | 4 | 17.5 |
| 32 | 242 | 260 | 133.4 | 19.1 | 98.4 | 4 | 17.5 |
| 40 | 267 | 280 | 139.7 | 22.3 | 104.8 | 4 | 17.5 |
| 50 | 305 | 312 | 165.1 | 25.4 | 127 | 4 | 22.3 |
| 65 | 330 | 320 | 184.2 | 25.4 | 146.1 | 8 | 22.3 |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



AV-279 C.C.S. Y-Type Strainer

Features

Flanged End as per BS-10 Table 'J' FF (Undrilled)

Test Pressure

Body : 700 Psig (Hyd.)

Max. Working Pressure : 350 Psig (Steam)

Max. Working Temp. : Upto 400°C

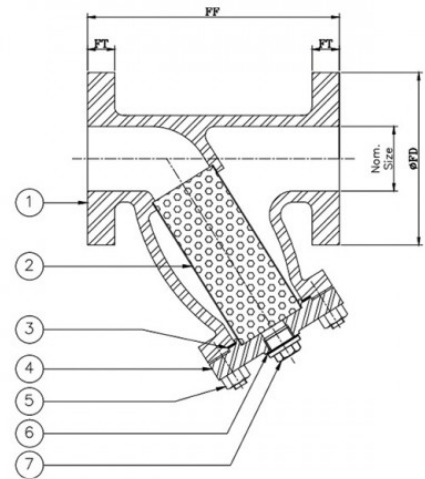
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|----------------|----------------------------|--------------------|
| 1 | Body | C.C.S. | ASTM A216 Gr. WCB |
| 2 | Screen | Stainless Steel (Type 304) | Ø1mm Perforation |
| 3 | Gasket | C.A.F. | - |
| 4 | Cover | C.C.S. | ASTM A216 Gr. WCB |
| 5 | Studs And Nuts | Carbon Steel | - |
| 6 | Gasket | C.A.F. | BS 1832 |
| 7 | Drain Plug | Stainless Steel | ASTM A276 Type 410 |



Dimensional Data

| Nominal Size (mm) | FF | ØFD | FT |
|-------------------|--------|-------|------|
| 25 | 181 ±2 | 120.7 | 19.1 |
| 40 | 260 ±2 | 139.7 | 22.3 |
| 50 | 277 ±2 | 165.1 | 25.4 |
| 65 | 277 ±2 | 184.2 | 25.4 |
| 80 | 294 ±2 | 203.2 | 31.8 |
| 100 | 403 ±3 | 228.6 | 34.9 |
| 125 | 429 ±3 | 279.4 | 38.1 |
| 150 | 476 ±3 | 304.8 | 38.1 |
| 200 | 670 ±4 | 368.3 | 41.3 |



AV-280 C.C.S. Junction Globe Valve, PN 40

Features

Cast Steel Junction Steam Stop Valve, Bolted Bonnet, Outside screw, Yoke Type, Renewable Seat & Disc, SS Trim with Back Seat
 Flanged Ends as per BSEN 1092-1, RF PN 40 (Drilled)
 Product Standard : BSEN-13709

Test Pressure

Body : 60 Bar (Hyd.)
 Seat : 40 Bar (Hyd.)
 Max. Working Temp. : Upto 400°C

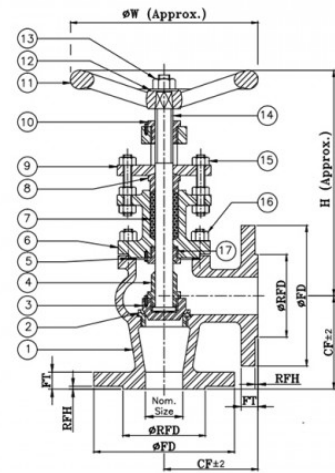
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|------------------------|-----------------------------|---|
| 1 | Body | C.C.S. | ASTM A216 Gr. WCB |
| 2 | Body Seat Ring | Stainless Steel | ASTM A276 Type 410 / ASTM A182 Gr. F6a / ASTM A217 Gr. CA15 |
| 3 | Disc | Stainless Steel | ASTM A276 Type 410 / ASTM A182 Gr. F6a / ASTM A217 Gr. CA15 |
| 4 | Disc Nut | Stainless Steel | ASTM A276 Type 410 |
| 5 | Gasket | C.A.F. / Non Asbestos Fibre | - |
| 6 | Bonnet | C.C.S. | ASTM A216 Gr. WCB |
| 7 | Gland Packing | Graphited Asbestos | - |
| 8 | Gland | Stainless Steel | ASTM A276 Type 410 |
| 9 | Gland Flange | C.C.S. | ASTM A216 Gr. WCB |
| 10 | Yoke Bush | Stainless Steel | ASTM A582 Type 416 / ASTM A276 Type 410 |
| 11 | Handwheel | Cast Iron / M.I. | IS 210 Gr. FG200/ - |
| 12 | Washer | Carbon Steel | - |
| 13 | Nut | Carbon Steel | - |
| 14 | Stem | Stainless Steel | ASTM A276 Type 410 |
| 15 | Studs & Nuts For Gland | Carbon Steel | - |
| 16 | Studs & Nuts | Carbon Steel | - |
| 17 | Back Seat Bush | Stainless Steel | ASTM A276 Type 410 |



Dimensional Data

| Nominal Size (mm) | CF ±2 | H | ØW | ØFD | FT | ØRFD | RFH | k | n | Ød |
|-------------------|-------|-----|-----|-----|----|------|-----|-----|---|----|
| 25 | 100 | 210 | 160 | 115 | 18 | 68 | 2 | 85 | 4 | 14 |
| 32 | 105 | 245 | 160 | 140 | 18 | 78 | 2 | 100 | 4 | 18 |
| 40 | 115 | 275 | 200 | 150 | 18 | 88 | 3 | 110 | 4 | 18 |
| 50 | 125 | 275 | 200 | 165 | 20 | 102 | 3 | 125 | 4 | 18 |
| 65 | 145 | 305 | 250 | 185 | 22 | 122 | 3 | 145 | 8 | 18 |
| 80 | 155 | 305 | 250 | 200 | 24 | 138 | 3 | 160 | 8 | 18 |
| 100 | 175 | 360 | 315 | 235 | 24 | 162 | 3 | 190 | 8 | 22 |
| 125 | 200 | 410 | 315 | 270 | 26 | 188 | 3 | 220 | 8 | 26 |
| 150 | 225 | 505 | 400 | 300 | 28 | 218 | 3 | 250 | 8 | 26 |



k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



AV-280A Cast Carbon Steel Stop Cum Non-Return Valve, PN-40



Features

Bolted Bonnet, O/S & Yoke Type, Rising Stem, Renewable Seat & Flat Disc, SS Trim
Straight, Right Angle Pattern, Flanged Ends as per BSEN-1092-1 PN-40 RF (Drilled)

Test Pressure

Body : 60 Bar (Hyd.)
Seat : 40 Bar (Hyd.)

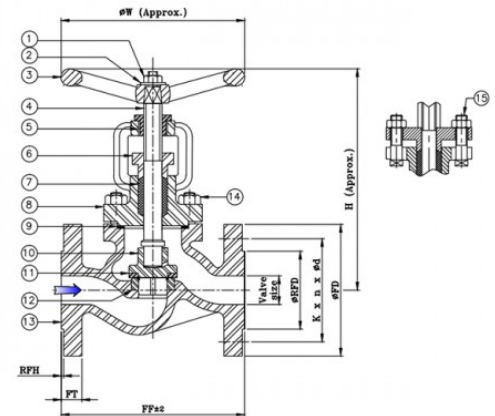
Suitability

Water, Steam, Oil



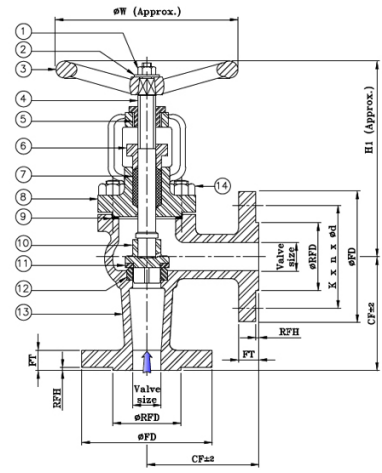
Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|-------------------------------|--------------------|---|
| 1 | Nut | Carbon Steel | - |
| 2 | Washer | Carbon Steel | - |
| 3 | Handwheel | C.I./ M.I. | - |
| 4 | Stem | S.S. | ASTM A276 TYPE 410 |
| 5 | Yoke Bush | Al. Bronze/ S.S. | BS 1982 Gr. CC 331G/ ASTM A582 TYPE 416 |
| 6 | Gland Flange | C.C.S. | ASTM A216 Gr. WCB |
| 7 | Gland Packing | Graphited Asbestos | - |
| 8 | Bonnet | C.C.S. | ASTM A216 Gr. WCB |
| 9 | Gasket | C.A.F | - |
| 10 | Disc | S.S./ C.C.S | ASTM A276 TYPE 410/ ASTM A216 Gr. WCB |
| 11 | Disc Ring | S.S./ S.S. | ASTM A276 TYPE 410/ ASTM A217 Gr. CA15 |
| 12 | Body Seat Ring | S.S. | ASTM A276 TYPE 410 |
| 13 | Body | C.C.S. | ASTM A216 Gr. WCB |
| 14 | Studs & Nuts | Carbon Steel | - |
| 15 | T-Head Bolts & Nuts for Gland | Carbon Steel | - |



Dimensional Data

| Nominal Size (mm) | FF ±2 | H | CF ±2 | H1 | ØW | ØFD | ØRFD | RFH | K | n | Ød | FT |
|-------------------|-------|-----|-------|-----|-----|-----|------|-----|-----|---|----|----|
| 25 | 160 | 240 | 100 | 210 | 160 | 115 | 68 | 2 | 85 | 4 | 14 | 18 |
| 32 | 180 | 297 | 105 | 245 | 160 | 140 | 78 | 2 | 100 | 4 | 18 | 18 |
| 40 | 200 | 322 | 115 | 275 | 200 | 150 | 88 | 3 | 110 | 4 | 18 | 18 |
| 50 | 230 | 348 | 125 | 275 | 200 | 165 | 102 | 3 | 125 | 4 | 18 | 20 |
| 65 | 290 | 412 | 145 | 305 | 250 | 185 | 122 | 3 | 145 | 8 | 18 | 22 |
| 80 | 310 | 458 | 155 | 305 | 250 | 200 | 138 | 3 | 160 | 8 | 18 | 24 |
| 100 | 350 | 529 | 175 | 360 | 315 | 235 | 162 | 3 | 190 | 8 | 22 | 24 |
| 125 | 400 | 600 | 200 | 410 | 315 | 270 | 188 | 3 | 220 | 8 | 26 | 26 |
| 150 | 480 | 690 | 225 | 505 | 400 | 300 | 218 | 3 | 250 | 8 | 26 | 28 |





AV-281 C.C.S. Sleeve Packed Water Level Gauge

Features

Cast Steel Sleeve Packed water level gauge, Flanged with Automatic Shut Deice in the water arm available for left hand or right hand mounting

Test Pressure

Body : 700 Psig
 Max. B.O.P. : 350 Psig (Steam)
 Max. Working Temp. : Upto 400°C

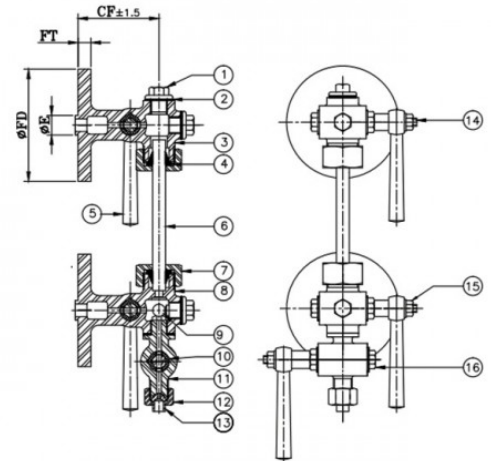
Suitability

Water



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|------------------|------------------|---------------------|
| 1 | Plug | Carbon Steel | - |
| 2 | Gasket | C.A.F | - |
| 3 | Upper Arm | C.C.S. | ASTM A216 Gr. WCB |
| 4 | Cone | Rubber | - |
| 5 | Handle | M.S. | - |
| 6 | Glass Tube | Glass | (On Customer Scope) |
| 7 | Nut | Bronze | IBR 282 (a)(iv) GRB |
| 8 | Lower Arm | C.C.S. | ASTM A216 Gr. WCB |
| 9 | Ball | Stainless Steel | AISI 304 |
| 10 | Sleeve | Moulded Asbestos | - |
| 11 | Drain Value Body | C.C.S. | ASTM A216 Gr. WCB |
| 12 | Union Nut | Bronze | IBR 282 (a)(iv) GRB |
| 13 | Nipple | Stainless Steel | ASTM A276 Type 410 |
| 14 | Stem | Stainless Steel | ASTM A276 Type 304 |
| 15 | Nut | Carbon Steel | - |
| 16 | Bottom Nut | Carbon Steel | - |



Dimensional Data

| Nominal Size (mm) | CF ±1.5 | ØFD | FT | ØE |
|-------------------|---------|-------|------|------|
| 20 | 95 | 114.3 | 15.9 | 25.4 |



AV-282 C.C.S. Accessible Feed Check Valve (Angle Type)

Features

Bolted Bonnet, Outside Screw, Yoke Type, Rising Stem, SS Trim with Back Seat Arrangement
Flanges as per BS-10 Table 'J' FF (Undrilled)

Test Pressure

Body : 700 Psig (Hyd.)
Max. B.O.P. : 350 Psig
Max. Working Temp. : 400°C

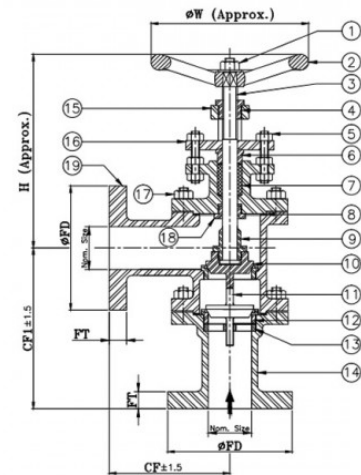
Suitability

Water, Steam



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|----------------------|--------------------|---|
| 1 | Nut | Carbon Steel | - |
| 2 | Handwheel | Cast Iron / M.I. | IS 210 Gr. FG200 |
| 3 | Stem | Stainless Steel | ASTM A276 Type 410 |
| 4 | Yoke Bush | Stainless Steel | ASTM A582 Type 416 / ASTM A276 Type 410 |
| 5 | Gland Studs and Nuts | Carbon Steel | - |
| 6 | Gland Follower | Stainless Steel | ASTM A276 Type 410 |
| 7 | Gland Packing | Graphited Asbestos | - |
| 8 | Gasket | C.A.F. | - |
| 9 | Disc Nut | Stainless Steel | ASTM A276 Type 410 |
| 10 | Disc | Stainless Steel | ASTM A276 Type 410 / ASTM A217 Gr. CA15 |
| 11 | Check Valve Disc | Stainless Steel | ASTM A276 Type 410 / ASTM A217 Gr. CA15 |
| 12 | Body Seat Ring | Stainless Steel | ASTM A276 Type 410 + Stellite |
| 13 | Disc Guide | Bronze | IBR 282 (a) (iv) Gr.B |
| 14 | Inlet Body | Cast Carbon Steel | IBR 73 to 80 / ASTM A216 Gr. WCB |
| 15 | Bonnet | Cast Carbon Steel | IBR 73 to 80 / ASTM A216 Gr. WCB |
| 16 | Gland Flange | Cast Carbon Steel | IBR 73 to 80 / ASTM A216 Gr. WCB |
| 17 | Studs and Nuts | Carbon Steel | - |
| 18 | Back Seat Bush | Stainless Steel | ASTM A276 Type 410 |
| 19 | Body | Cast Carbon Steel | IBR 73 to 80 / ASTM A216 Gr. WCB |



Dimensional Data

| Nominal Size (mm) | CF ±1.5 | CF1 ±1.5 | H | ØW | ØFD | FT |
|-------------------|---------|----------|-----|-----|-------|------|
| 25 | 127 | 165 | 225 | 160 | 120.7 | 19.1 |
| 40 | 140 | 161 | 245 | 200 | 139.7 | 22.3 |
| 50 | 152 | 215 | 255 | 200 | 165.1 | 25.4 |
| 65 | 178 | 240 | 285 | 250 | 184.2 | 25.4 |
| 80 | 203 | 265 | 315 | 250 | 203.2 | 31.8 |



AV-283 C.C.S. Single Post Hi-Lift Safety Valve

Features

High Lift with Stainless Steel Steam, Spring Loaded, Right Angle Pattern, High Lift, Renewable Seat & Disc
 Inlet Flange to BS-10 Table-H F/F (Undrilled), Outlet Flanged to BS-10 Table-D FF (Undrilled)

Test Pressure

Body : 500 Psi g (Hyd.)
 Max. Set Pressure : 250 Psi g
 Max. Working Temp. : 400°C

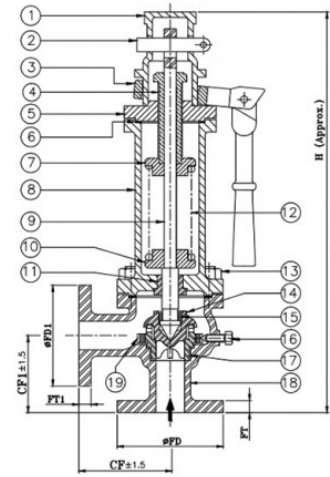
Suitability

Steam



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|-------------------|-------------------|--|
| 1 | Cap | Cast Iron | IBR 86 to 93 Gr.A |
| 2 | Cotter | Bronze | IBR 282 (a) (iv) Gr.B |
| 3 | Lever | Cast Iron | IBR 86 to 93 Gr.A |
| 4 | Adjusting Screw | Stainless Steel | AISI 410 |
| 5 | Cover | Cast Iron | IBR 86 to 93 Gr.A |
| 6 | Gasket | C.A.F | - |
| 7 | Upper Spring Disc | Cast Iron | IBR 86 to 93 Gr.A |
| 8 | Spring Chamber | Cast Iron | IBR 86 to 93 Gr.A |
| 9 | Stem | Stainless Steel | ASTM A276 Type 410 |
| 10 | Lower Spring Disc | Cast Iron | IBR 86 to 93 Gr.A |
| 11 | Bush | Bronze | IBR 282 (a) (iv) Gr.B |
| 12 | Spring | Carbon Steel | IBR 307 TO 314 |
| 13 | Bolts and Nuts | Carbon Steel | - |
| 14 | Disc | Stainless Steel | ASTM A217 Gr. CA15 / ASTM A276 Type 410 + Stellite |
| 15 | Ring | Bronze | IBR 282 (a) (iv) Gr.B |
| 16 | Screw | Carbon Steel | - |
| 17 | Body Seat Ring | Stainless Steel | ASTM A276 Type 410 + Stellite |
| 18 | Body | Cast Carbon Steel | IBR 73 TO 80 |
| 19 | Adjusting Ring | Bronze | IBR 282 (a) (iv) Gr.B |



Dimensional Data

| Nominal Size (mm) | CF ±1.5 | CF1 ±1.5 | ØFD | FT | ØFD1 | FT1 | H |
|-------------------|---------|----------|-------|------|-------|------|-----|
| 25 | 108 | 89 | 120.7 | 14.3 | 114.3 | 9.5 | 455 |
| 40 | 121 | 102 | 139.7 | 17.5 | 133.4 | 12.7 | 525 |
| 50 | 140 | 121 | 165.1 | 19.1 | 152.4 | 14.3 | 580 |



AV-284 Cast Steel Double Post Safety Valve

Features

High Life, Spring Loaded with S.S. Seat, S.S. Stem
 Inlet Flange to BS-10 Table 'H' FF (Undrilled), Outlet Flanged to BS-10 Table-D (Undrilled)

Test Pressure

Body : 500 Psig (Hyd.)
 Max. Working Pressure : 250 Psig (Steam)
 Max. Working Temp. : 400°C

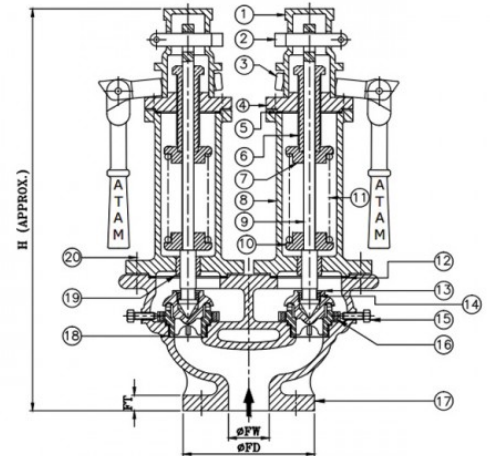
Suitability

Steam



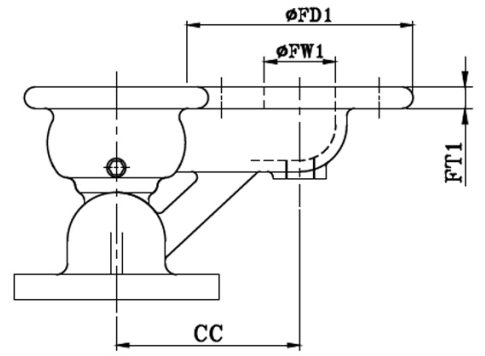
Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|-------------------|-----------------|--|
| 1 | Cap | Cast Iron | IBR 86 to 93 Gr.A |
| 2 | Cotter | Bronze | IBR 282 (a) (iv) Gr.B |
| 3 | Lever | Cast Iron | IBR 86 to 93 Gr.A |
| 4 | Cover | Cast Iron | IBR 86 to 93 Gr.A |
| 5 | Gasket | C.A.F. | - |
| 6 | Adjusting Screw | Stainless Steel | AISI 410 |
| 7 | Upper Spring Disc | Cast Iron | IBR 86 to 93 Gr.A |
| 8 | Spring Chamber | Cast Iron | IBR 86 to 93 Gr.A |
| 9 | Stem | Stainless Steel | AISI 410 |
| 10 | Lower Spring Disc | Cast Iron | IBR 86 to 93 Gr.A |
| 11 | Spring | Spring Steel | IBR 307 |
| 12 | Gasket | C.A.F. | - |
| 13 | Disc | Stainless Steel | ASTM A217 Gr. CA15 / ASTM A276 Type 410 + Stellite |
| 14 | Ring | Bronze | IBR 282 (a) (iv) Gr.B |
| 15 | Screw | Carbon Steel | - |
| 16 | Regulating Ring | Bronze | IBR 282 (a) (iv) Gr.B |
| 17 | Body | Cast Steel | IBR 73 to 80 |
| 18 | Body Seat Ring | Stainless Steel | ASTM A276 Type 410 + Stellite |
| 19 | Bush | Bronze | IBR 282 (a) (iv) Gr.B |
| 20 | Bolts and Nuts | Carbon Steel | - |



Dimensional Data

| Nominal Size (mm) | CC | ØFW | ØFD | FT | ØFW1 | ØFD1 | FT1 | H |
|-------------------|-------|------|-------|------|------|-------|------|-----|
| 25 | 152.4 | 38.1 | 139.7 | 17.5 | 38.1 | 133.4 | 12.7 | 480 |
| 40 | 165 | 57.2 | 184.2 | 19.1 | 63.5 | 165.1 | 14.3 | 565 |
| 50 | 190.5 | 73 | 203.2 | 22.3 | 76.2 | 184.2 | 14.3 | 630 |





AV-285 Cast Carbon Steel Full-Lift Safety Valve (Flanged Ends)



Features

Right Angle Pattern, Spring Loaded, Full Lift, Renewable Seat & Disc, With SS working part
Inlet Flange to BS-10 Table 'H' FF (Undrilled), Outlet Flanged to BS-10 Table 'D' FF (Undrilled)

Test Pressure

Body : 500 Psig (Hyd.)
Max. Set Pressure : 250 Psig
Max. Working Temp. : 400°C

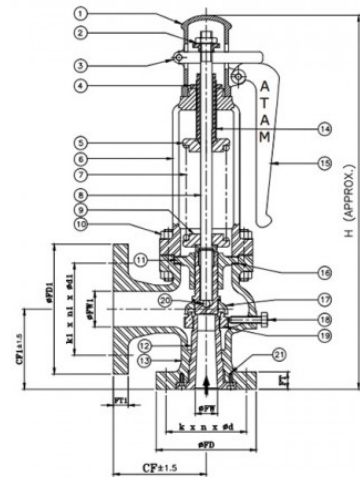
Suitability

Steam



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|-------------------|----------------------------------|--|
| 1 | Cap | Cast Iron | IBR 86 TO 93 Gr.A |
| 2 | Locking Nut | Carbon Steel | - |
| 3 | Fork | Cast Carbon Steel | IBR 73 TO 80 |
| 4 | Check Nut | Stainless Steel | AISI 410 |
| 5 | Upper Spring Disc | Cast Carbon Steel / Carbon Steel | IBR 73 TO 80 / - |
| 6 | Bonnet | Cast Carbon Steel | IBR 73 TO 80 |
| 7 | Spring | Carbon Steel | - |
| 8 | Stem | Stainless Steel | AISI 410 |
| 9 | Lower Spring Disc | Cast Carbon Steel / Carbon Steel | IBR 73 TO 80 / - |
| 10 | Bolts/Stud & Nuts | Carbon Steel | - |
| 11 | Disc Guide | Cast Carbon Steel | IBR 73 TO 80 |
| 12 | Nozzle | Stainless Steel | AISI 410 + STELLITE |
| 13 | Body | Cast Carbon Steel | IBR 73 TO 80 |
| 14 | Adjusting Screw | Stainless Steel | AISI 410 |
| 15 | Handle | S.G. Iron / Cast Iron | - |
| 16 | Gasket | C.A.F | - |
| 17 | Disc | Stainless Steel | ASTM A217 Gr. CA 15 / AISI 410 +STELLITE |
| 18 | Bolt | Carbon Steel | - |
| 19 | Regulating Ring | C.S.S. | ASTM A351 Gr. CF 8 |
| 20 | Ball | Stainless Steel | - |
| 21 | Screw | Carbon Steel | - |



Dimensional Data

| Nominal Size (mm) | CF ±1.5 | ØFW | ØFD | FT | k | n | Ød | CF1 ±1.5 | ØFW1 | ØFD1 | FT1 | k1 | n1 | Ød1 | H |
|-------------------|---------|-----|-------|------|-------|---|------|----------|------|-------|------|-------|----|------|------|
| 25 x 40 | 100 | 26 | 120.7 | 14.3 | 87.3 | 4 | 17.5 | 95 | 40 | 133.4 | 12.7 | 98.4 | 4 | 14.3 | 435 |
| 40 x 50 | 130 | 40 | 139.7 | 17.5 | 104.8 | 4 | 17.5 | 112 | 50 | 152.4 | 14.3 | 114.3 | 4 | 17.5 | 520 |
| 50 x 80 | 140 | 50 | 165.1 | 19.1 | 127 | 4 | 17.5 | 130 | 76 | 184.2 | 14.3 | 146.1 | 4 | 17.5 | 580 |
| 80 x 100 | 200 | 76 | 203.2 | 22.3 | 165.1 | 8 | 17.5 | 190 | 100 | 215.9 | 17.5 | 177.8 | 4 | 17.5 | 860 |
| 100 x 150 | 205 | 100 | 228.6 | 25.4 | 190.5 | 8 | 17.5 | 220 | 152 | 279.4 | 17.5 | 235 | 8 | 17.5 | 1035 |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



AV-285A Cast Carbon Steel Spring Loaded Full-Lift Safety Valve

Features

Spring Loaded, Full Lift, Renewable Seat & Disc, SS Trim
Inlet Flanged to ASME B16.5 Class-300

Test Pressure

Body : 700 Psi g (Hyd.)
Set Pressure : Max. 350 Psi g

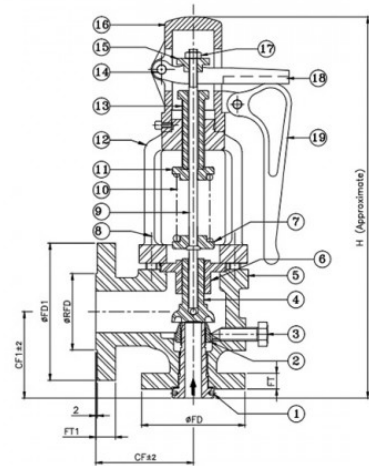
Suitability

Steam



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|-------------------|-------------------------------------|--|
| 1 | Nozzle | Stainless Steel / Cast Carbon Steel | ASTM A276 TYPE 410 / ASTM A217 Gr. CA15 + Stellite |
| 2 | Regulating Ring | Bronze | IBR 282 (a) (iv) Gr.B |
| 3 | Screw | Carbon Steel | - |
| 4 | Disc | Stainless Steel / Cast Carbon Steel | ASTM A276 TYPE 410 / ASTM A217 Gr. CA15 + Stellite |
| 5 | Body | Cast Carbon Steel | ASTM A216 Gr. WCB |
| 6 | Disc Guide | Stainless Steel / Cast Carbon Steel | ASTM A276 TYPE 410 / ASTM A217 Gr. CA15 |
| 7 | Lower Spring Disc | Carbon Steel | - |
| 8 | Studs And Nuts | Carbon Steel | - |
| 9 | Stem | Stainless Steel | ASTM A276 TYPE 410 |
| 10 | Spring | Carbon Steel | IBR 307 TO 314 |
| 11 | Upper Spring Disc | Carbon Steel | - |
| 12 | Yoke' | Cast Carbon Steel | ASTM A216 Gr. WCB |
| 13 | Adjusting Screw | Stainless Steel | ASTM A276 TYPE 410 |
| 14 | Pin | Steel | - |
| 15 | Locking Nut | Steel | - |
| 16 | Cap | Cast Carbon Steel | ASTM A216 Gr. WCB |
| 17 | Nut | Carbon Steel | - |
| 18 | Fulcrum | S.G. Iron | - |
| 19 | Lever | S.G. Iron | - |



Dimensional Data

| Nominal Size (mm) | CF ±2 | CF1 ±2 | ØFD | ØFD1 | ØRFD | FT | FT1 | H |
|-------------------|-------|--------|-----|------|-------|------|------|-----|
| 25×50 | 117 | 104.5 | 125 | 165 | 92.1 | 17.9 | 22.7 | 498 |
| 40×80 | 127 | 120 | 155 | 210 | 127 | 21.1 | 29 | 560 |
| 50×100 | 150 | 157 | 165 | 255 | 157.2 | 22.7 | 32.2 | - |



AV-286 C.C.S. Vertical Inverted Bucket Type Steam Trap (Screwed Ends)

Features

BSP Parallel Threads as per BS-21

Test Pressure

Body : 700 Psig (Hyd.)

Max. Working Pressure : 350 Psig (Steam)

Max. Working Temp. : 400°C

Suitability

Water, Steam

Photo Not Available

Material Combination

| P.No. | Name of Part | Material | Specification | Nos. |
|-------|----------------|-------------------|--------------------|------|
| 1 | Plug | Carbon Steel | - | 1 |
| 2 | Cover | Cast Carbon Steel | IBR 73 to 80 | 1 |
| 3 | Nuts and Bolts | Carbon Steel | - | - |
| 4 | Valve Seat | Stainless Steel | ASTM A276 Type 410 | 1 |
| 5 | Ball Seat | Stainless Steel | ASTM A276 Type 410 | 1 |
| 6 | Bucket | Stainless Steel | ASTM A276 Type 304 | 1 |
| 7 | Body | Cast Carbon Steel | IBR 73 to 80 | 1 |
| 8 | Valve Lever | Stainless Steel | ASTM A276 Type 304 | 1 |
| 9 | Gasket | C.A.F. | - | 1 |
| 10 | Hook | Stainless Steel | ASTM A276 Type 304 | 1 |
| 11 | Syphon Pipe | Carbon Steel | - | 1 |

Dimensional Data

| Nominal Size | FF | T | Weight (Kgs.) |
|--------------|-----|--------|---------------|
| 25 | 275 | 1" | 14.000 |
| 40 | 395 | 1.1/2" | 32.000 |
| 50 | 452 | 2" | 45.000 |



AV-287 Cast Steel Pilot Operated Pressure Reducing Valve

Features

Pilot Operated Outlet Pressure Range Available 5/45, 40/125 Psi g (Steam), Renewable Seat, SS Trim
 Flanges as per BS-10 Table 'F' FF (Undrilled)

Test Pressure

Body : 300 (Hyd.)
 Working Pressure : 150 Psi g (Steam)

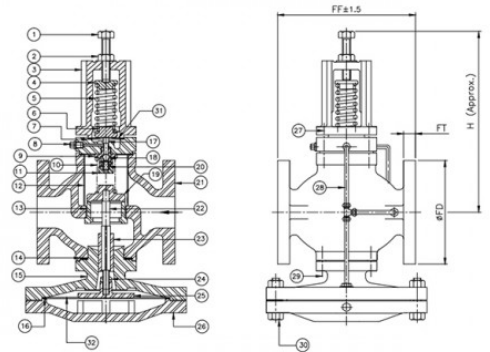
Suitability

Steam



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--|-----------------|----------------------------|
| 1 | Adjusting Screw | Carbon Steel | - |
| 2 | Locking Nut | Carbon Steel | - |
| 3 | Spring Housing | S.G.I. | EN 1563 Gr. GJS - 400 - 15 |
| 4 | Spring Top Disc | Stainless Steel | AISI 410 |
| 5 | Pressure Adjusting Spring | Spring Steel | IBR 307 TO 314 |
| 6 | Spring Bottom Disc | Stainless Steel | AISI 410 |
| 7 | Gasket | C.A.F. | - |
| 8 | Side Plug | Carbon Steel | - |
| 9 | Pilot Valve Body | Stainless Steel | AISI 304 |
| 10 | Main Valve Retuen Spring | Carbon Steel | IBR 307 TO 314 |
| 11 | Pilot Valve Spring Retaining Check Nut | Stainless Steel | AISI 304 |
| 12 | Strainer Screen | Stainless Steel | AISI 304 |
| 13 | Main Valve Body Seat Ring | Stainless Steel | AISI 410 + STELLITE |
| 14 | Gasket | C.A.F. | - |
| 15 | Main Diaphragm Chamber Top Half | C.S. | IBR 73 TO 80 Gr. A |
| 16 | Gasket | C.A.F. | - |
| 17 | Pilot Valve Plunger | Stainless Steel | AISI 304 |
| 18 | Ball | Stainless Steel | AISI 304 |
| 19 | Main Valve Disc | Stainless Steel | AISI 410 + STELLITE |
| 20 | Pilot Valve Spring | Stainless Steel | AISI 304 |
| 21 | Main Valve Body | C.S. | IBR 73 TO 80 Gr. A |
| 22 | Main Valve Push Rod | Stainless Steel | AISI 410 |
| 23 | Push Rod Guide Sleeve | Stainless Steel | AISI 410 |
| 24 | Push Rod Lock Nut | Stainless Steel | AISI 410 |
| 25 | Main Diaphragm Disc | Stainless Steel | AISI 410 |
| 26 | Main Diaphragm Chamber Lower Half | C.S. | IBR 73 TO 80 Gr. A |
| 27 | Studs and Nuts | Carbon Steel | - |
| 28 | Pipe Assembly | - | - |
| 29 | Studs and Nuts | Carbon Steel | - |
| 30 | Bolts and Nuts | Carbon Steel | - |
| 31 | Pilot Diaphragm | Stainless Steel | AISI 304 |





| P.No. | Name of Part | Material | Specification |
|-------|----------------|-----------------|---------------|
| 32 | Main Diaphragm | Stainless Steel | AISI 304 |

Dimensional Data

| Nominal Size (mm) | FF ± 1.5 | $\text{\O}FD$ | FT | H |
|-------------------|--------------|---------------|------|-----|
| 25 | 165 | 120.7 | 9.5 | 215 |
| 40 | 203 | 139.7 | 12.7 | 240 |
| 50 | 248 | 165.1 | 15.9 | 260 |



AV-288 (WCB) C.C.S. Gate Valve, Class-150

Features

Bolted Bonnet, Yoke Type, Outside Screw, Rising Stem, Renewable Seat, SS Trim, Non Rising Handwheel

Flanges as per ASME B16.5, Class-150 RF (Drilled)

Product Standard: API-600:09

Test Pressure

Body : 30 Bar (Hyd.)

Seat : 22 Bar (Hyd.)

Testing Standard : API-598:09

Suitability

Water, Steam, Oil

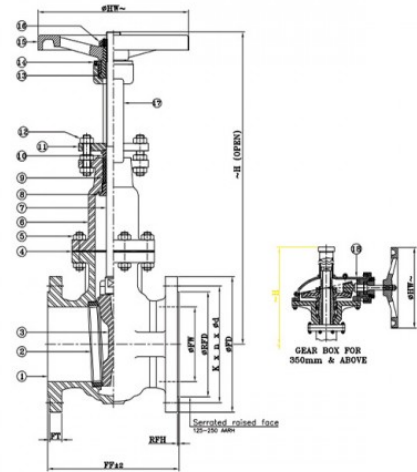


Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|---------------------------|--|---|
| 1 | Body | C.C.S | ASTM A216 Gr. WCB |
| 2 | Body Seat Ring | C.C.S/F.S.S. | ASTM A216 Gr. WCB + 13% Cr. Weld Deposite / ASTM A182 Gr. F6a |
| 3 | Wedge (Flexible) | C.C.S / C.S.S. | ASTM A216 Gr. WCB + 13% Cr. Weld Deposite/ ASTM 217 Gr. CA15 |
| 4 | Gasket | S.S. 304 Graphoil Filler With Inner Ring | - |
| 5 | Studs & Nuts | Alloy Steel/ H.T Steel | ASTM A193 Gr. B7 / ASTM A194 Gr. 2H |
| 6 | Bonnet | C.C.S | ASTM A216 Gr. WCB |
| 7 | Stem | Stainless Steel | ASTM A276 TYPE 410 |
| 8 | Back Seat Bush | Stainless Steel | ASTM A276 TYPE 410 |
| 9 | Gland Packing | Flexible Graphite | - |
| 10 | Gland Follower | Stainless Steel | ASTM A276 TYPE 410 |
| 11 | Gland Flange | C.C.S./ Carbon Steel | ASTM A216 Gr. WCB/ - |
| 12 | Gland Studs & Nuts | Alloy Steel/ H.T Steel | ASTM A193 Gr. B7 / ASTM A194 Gr. 2H |
| 13 | Yoke Sleeve | Al. Bronze/M.S. | BSEN 1982 Gr. CC331G / ASTM A582 Type 416 |
| 14 | Yoke sleeve Retaining Nut | Carbon Steel | - |
| 15 | Handwheel | M.I./ D.I. | - |

NOTE : 1. Parts marked with * are optional and are for particular sizes.

2. This item can be supplied in WC6, WC9 material also.



Dimensional Data

| Nominal Size (mm) | FF | FT | ØFW (Min.) | ØRFD | RFH | ØFD | k | n | Ød | ØHW | H |
|-------------------|--------|------|------------|-------|-----|-----|-------|---|------|-----|-----|
| 40 | 165 ±2 | 12.7 | 38.1 | 73 | 2 | 125 | 98.4 | 4 | 5/8" | 210 | 320 |
| 50 | 178 ±2 | 14.3 | 50.8 | 92.1 | 2 | 150 | 120.7 | 4 | 3/4" | 210 | 390 |
| 65 | 190 ±2 | 15.9 | 63.5 | 104.8 | 2 | 180 | 139.7 | 4 | 3/4" | 210 | 440 |
| 80 | 203 ±2 | 17.5 | 76.2 | 127 | 2 | 190 | 152.4 | 4 | 3/4" | 225 | 460 |
| 100 | 229 ±2 | 22.3 | 101.6 | 157.2 | 2 | 230 | 190.5 | 8 | 3/4" | 255 | 570 |
| 125 | 254 ±2 | 22.3 | 127 | 185.7 | 2 | 255 | 215.9 | 8 | 7/8" | 310 | 690 |



| Nominal Size (mm) | FF | FT | ØFW (Min.) | ØRFD | RFH | ØFD | k | n | Ød | ØHW | H |
|-------------------|--------|------|------------|-------|-----|-----|-------|----|--------|-----|------|
| 150 | 267 ±2 | 23.9 | 152.4 | 215.9 | 2 | 280 | 241.3 | 8 | 7/8" | 310 | 780 |
| 200 | 292 ±2 | 27 | 203.2 | 269.9 | 2 | 345 | 298.5 | 8 | 7/8" | 400 | 975 |
| 250 | 330 ±2 | 28.6 | 254 | 323.8 | 2 | 405 | 362 | 12 | 1" | 460 | 1215 |
| 300 | 356 ±3 | 30.2 | 304.8 | 381 | 2 | 485 | 431.8 | 12 | 1" | 500 | 1350 |
| 350 | 381 ±3 | 33.4 | 336.6 | 412.8 | 2 | 535 | 476.3 | 12 | 1/1/8" | 450 | 1605 |
| 400 | 406 ±3 | 35 | 387.4 | 469.9 | 2 | 595 | 539.8 | 16 | 1/1/8" | 450 | 1960 |
| 450 | 432 ±3 | 38.1 | 436.2 | 533.4 | 2 | 635 | 577.9 | 16 | 1.1/4" | 450 | 2055 |
| 500 | 457 ±3 | 41.3 | 489 | 584.2 | 2 | 700 | 635 | 20 | 1.1/4" | 450 | 2410 |
| 600 | 508 ±3 | 46.1 | 590.6 | 692.2 | 2 | 815 | 749.3 | 20 | 1.3/8" | 450 | 2875 |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



AV-288 (CF8) C.S.S. Gate Valve, Class-150

Features

Bolted Bonnet, O/S & Yoke Type, Rising Stem, Renewable Seat, Solid or Flexible Wedge, SS 304 Trim.

Flanges as per ASME B16.5, Class-150 RF (Drilled)

Product Standard: BS-1414/API-600

Test Pressure

Body : 30 Bar (Hyd.)

Seat : 22 Bar (Hyd.)

Testing Standard : BSEN 12266-1/ API-598

Suitability

Water, Steam, Oil

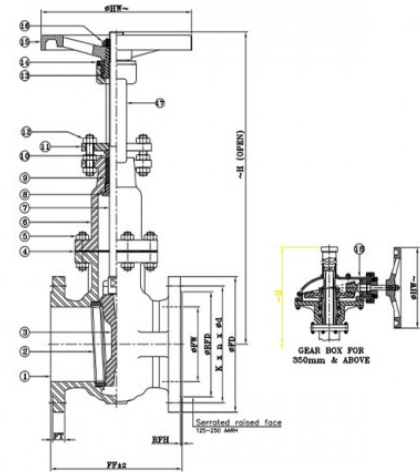


Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|---------------------------|--|--|
| 1 | Body | C.S.S | ASTM A351 Gr. CF8 |
| 2 | Body Seat Ring | C.S.S/ F.S.S. | ASTM A351 Gr. CF8/ASTM A182 Gr. F304 |
| 3 | Wedge | C.S.S | ASTM A351 Gr. CF8 |
| 4 | Gasket | S.S. 304 Graphoil Filler With Inner Ring | - |
| 5 | Studs & Nuts | Alloy Steel/ H.T Steel | ASTM A193 Gr. B7/B8/ASTM A194 Gr. 2H/8 |
| 6 | Bonnet | C.S.S | ASTM A351 Gr. CF8 |
| 7 | Stem | Stainless Steel | ASTM A276 TYPE 304 |
| 8 | Back Seat Bush | Stainless Steel | ASTM A276 TYPE 304 |
| 9 | Gland Packing | Flexible Graphite | - |
| 10 | Gland Follower | Stainless Steel | ASTM A276 TYPE 304 |
| 11 | Gland Flange | C.S.S. | ASTM A351 Gr. CF8 |
| 12 | Gland Studs & Nuts | Alloy Steel/ H.T Steel | ASTM A193 Gr. B7/B8/ASTM A194 Gr. 2H/8 |
| 13 | Yoke Sleeve | Al. Bronze | BSEN 1982 Gr. CC331G |
| 14 | Yoke sleeve Retaining Nut | C.S.S. | ASTM A351 Gr. CF8 |
| 15 | Handwheel | M.I./ D.I. | ASTM A338/ASTM A536 Gr. 80-55-06 |
| 16 | Handwheel Retaining Nut | C.S.S/S.S. | ASTM A351 Gr. CF8/ASTM A276 TYPE 304 |
| 17 | Yoke* | C.S.S. | ASTM A351 Gr. CF8 |
| 18 | Gear Box Assembly* | C.I. | - |

NOTE : 1. Parts marked with * are optional and are for particular sizes.

2. This item can be supplied in WC6, WC9 material also.



Dimensional Data

| Nominal Size (mm) | FF | FT | ØFW (Min.) | ØRFD | RFH | ØFD | k | n | Ød | ØHW | H |
|-------------------|--------|------|------------|-------|-----|-----|-------|---|------|-----|-----|
| 40 | 165 ±2 | 12.7 | 38.1 | 73 | 2 | 125 | 98.4 | 4 | 5/8" | 210 | 320 |
| 50 | 178 ±2 | 14.3 | 50.8 | 92.1 | 2 | 150 | 120.7 | 4 | 3/4" | 210 | 390 |
| 65 | 190 ±2 | 15.9 | 63.5 | 104.8 | 2 | 180 | 139.7 | 4 | 3/4" | 210 | 440 |



| Nominal Size (mm) | FF | FT | ØFW (Min.) | ØRFD | RFH | ØFD | k | n | Ød | ØHW | H |
|-------------------|--------|------|------------|-------|-----|-----|-------|----|--------|-----|------|
| 80 | 203 ±2 | 17.5 | 76.2 | 127 | 2 | 190 | 152.4 | 4 | 3/4" | 225 | 460 |
| 100 | 229 ±2 | 22.3 | 101.6 | 157.2 | 2 | 230 | 190.5 | 8 | 3/4" | 255 | 570 |
| 125 | 254 ±2 | 22.3 | 127 | 185.7 | 2 | 255 | 215.9 | 8 | 7/8" | 310 | 690 |
| 150 | 267 ±2 | 23.9 | 152.4 | 215.9 | 2 | 280 | 241.3 | 8 | 7/8" | 310 | 780 |
| 200 | 292 ±2 | 27 | 203.2 | 269.9 | 2 | 345 | 298.5 | 8 | 7/8" | 400 | 975 |
| 250 | 330 ±2 | 28.6 | 254 | 323.8 | 2 | 405 | 362 | 12 | 1" | 460 | 1215 |
| 300 | 356 ±3 | 30.2 | 304.8 | 381 | 2 | 485 | 431.8 | 12 | 1" | 500 | 1350 |
| 350 | 381 ±3 | 33.4 | 336.6 | 412.8 | 2 | 535 | 476.3 | 12 | 1/1/8" | 450 | 1605 |
| 400 | 406 ±3 | 35 | 387.4 | 469.9 | 2 | 595 | 539.8 | 16 | 1/1/8" | 450 | 1960 |
| 450 | 432 ±3 | 38.1 | 436.2 | 533.4 | 2 | 635 | 577.9 | 16 | 1.1/4" | 450 | 2055 |
| 500 | 457 ±3 | 41.3 | 489 | 584.2 | 2 | 700 | 635 | 20 | 1.1/4" | 450 | 2410 |
| 600 | 508 ±3 | 46.1 | 590.6 | 692.2 | 2 | 815 | 749.3 | 20 | 1.3/8" | 450 | 2875 |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



AV-288 (CF8M) C.S.S. Gate Valve, Class-150

Features

Bolted Bonnet, O/S & Yoke Type, Rising Stem, Renewable Seat, Solid or Flexible Wedge, SS 316 Trim.

Flanges as per ASME B16.5, Class-150 RF (Drilled)

Product Standard: BS-1414/API-600

Test Pressure

Body : 30 Bar (Hyd.)

Seat : 22 Bar (Hyd.)

Testing Standard : BSEN 12266-1/ API-598

Suitability

Water, Steam, Oil

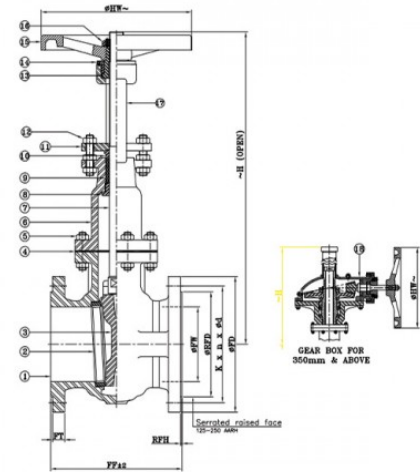


Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|---------------------------|--|--|
| 1 | Body | C.S.S | ASTM A351 Gr. CF8M |
| 2 | Body Seat Ring | C.S.S/ F.S.S. | ASTM A351 Gr. CF8M/ASTM A182 Gr. F316 |
| 3 | Wedge | C.S.S | ASTM A351 Gr. CF8M |
| 4 | Gasket | S.S. 316 Graphoil Filler With Inner Ring | - |
| 5 | Studs & Nuts | Alloy Steel/ H.T Steel | ASTM A193 Gr. B7/B8/ASTM A194 Gr. 2H/8 |
| 6 | Bonnet | C.S.S | ASTM A351 Gr. CF8M |
| 7 | Stem | Stainless Steel | ASTM A276 TYPE 316 |
| 8 | Back Seat Bush | Stainless Steel | ASTM A276 TYPE 316 |
| 9 | Gland Packing | Flexible Graphite | - |
| 10 | Gland Follower | Stainless Steel | ASTM A276 TYPE 316 |
| 11 | Gland Flange | C.S.S. | ASTM A351 Gr. CF8M |
| 12 | Gland Studs & Nuts | Alloy Steel/ H.T Steel | ASTM A193 Gr. B7/B8/ASTM A194 Gr. 2H/8 |
| 13 | Yoke Sleeve | Al. Bronze | BSEN 1982 Gr. CC331G |
| 14 | Yoke sleeve Retaining Nut | C.S.S. | ASTM A351 Gr. CF8M |
| 15 | Handwheel | M.I./ D.I. | ASTM A338/ASTM A536 Gr. 80-55-06 |
| 16 | Handwheel Retaining Nut | C.S.S/S.S. | ASTM A351 Gr. CF8M/ASTM A276 TYPE 316 |
| 17 | Yoke* | C.S.S. | ASTM A351 Gr. CF8M |
| 18 | Gear Box Assembly* | C.I. | - |

NOTE : 1. Parts marked with * are optional and are for particular sizes.

2. This item can be supplied in WC6, WC9 material also.



Dimensional Data

| Nominal Size (mm) | FF | FT | ØFW (Min.) | ØRFD | RFH | ØFD | k | n | Ød | ØHW | H |
|-------------------|--------|------|------------|-------|-----|-----|-------|---|------|-----|-----|
| 40 | 165 ±2 | 12.7 | 38.1 | 73 | 2 | 125 | 98.4 | 4 | 5/8" | 210 | 320 |
| 50 | 178 ±2 | 14.3 | 50.8 | 92.1 | 2 | 150 | 120.7 | 4 | 3/4" | 210 | 390 |
| 65 | 190 ±2 | 15.9 | 63.5 | 104.8 | 2 | 180 | 139.7 | 4 | 3/4" | 210 | 440 |



| Nominal Size (mm) | FF | FT | ØFW (Min.) | ØRFD | RFH | ØFD | k | n | Ød | ØHW | H |
|-------------------|--------|------|------------|-------|-----|-----|-------|----|--------|-----|------|
| 80 | 203 ±2 | 17.5 | 76.2 | 127 | 2 | 190 | 152.4 | 4 | 3/4" | 225 | 460 |
| 100 | 229 ±2 | 22.3 | 101.6 | 157.2 | 2 | 230 | 190.5 | 8 | 3/4" | 255 | 570 |
| 125 | 254 ±2 | 22.3 | 127 | 185.7 | 2 | 255 | 215.9 | 8 | 7/8" | 310 | 690 |
| 150 | 267 ±2 | 23.9 | 152.4 | 215.9 | 2 | 280 | 241.3 | 8 | 7/8" | 310 | 780 |
| 200 | 292 ±2 | 27 | 203.2 | 269.9 | 2 | 345 | 298.5 | 8 | 7/8" | 400 | 975 |
| 250 | 330 ±2 | 28.6 | 254 | 323.8 | 2 | 405 | 362 | 12 | 1" | 460 | 1215 |
| 300 | 356 ±3 | 30.2 | 304.8 | 381 | 2 | 485 | 431.8 | 12 | 1" | 500 | 1350 |
| 350 | 381 ±3 | 33.4 | 336.6 | 412.8 | 2 | 535 | 476.3 | 12 | 1/1/8" | 450 | 1605 |
| 400 | 406 ±3 | 35 | 387.4 | 469.9 | 2 | 595 | 539.8 | 16 | 1/1/8" | 450 | 1960 |
| 450 | 432 ±3 | 38.1 | 436.2 | 533.4 | 2 | 635 | 577.9 | 16 | 1.1/4" | 450 | 2055 |
| 500 | 457 ±3 | 41.3 | 489 | 584.2 | 2 | 700 | 635 | 20 | 1.1/4" | 450 | 2410 |
| 600 | 508 ±3 | 46.1 | 590.6 | 692.2 | 2 | 815 | 749.3 | 20 | 1.3/8" | 450 | 2875 |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



AV-288A (WCB) C.C.S. Gate Valve, Class-300

Features

Bolted Bonnet, O/S & Yoke Type, Rising Stem, Renewable Seat, Solid or Flexible Wedge, SS Trim
 Flanges as per ASME B16.5, Class-300 RF (Drilled)
 Product Standard: BS-1414/API-600

Test Pressure

Body : 76 Bar (Hyd.)
 Seat : 55 Bar (Hyd.)
 Testing Standard : BSEN-12266-1/ API-598

Suitability

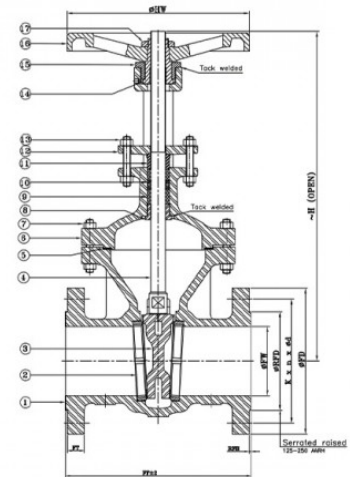
Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|---------------------------|--|--|
| 1 | Body | C.C.S | ASTM A216 Gr. WCB |
| 2 | Body Seat Ring | C.C.S/ F.S.S. | ASTM A216 Gr. WCB + 13% Cr. Weld Deposite/ ASTM A182 Gr. F6a |
| 3 | Wedge | C.S.S | ASTM A216 Gr. WCB + 13% Cr. Weld Deposite/ ASTM 217 Gr. CA15 |
| 4 | Stem | Stainless Steel | ASTM A276 TYPE 410 |
| 5 | Gasket | S.S. 304 Graphoil Filler With Inner Ring | - |
| 6 | Bonnet | C.C.S | ASTM A216 Gr. WCB |
| 7 | Body/ Bonnet Studs & Nuts | Alloy Steel/ H.T Steel | ASTM A193 Gr. B7/ASTM A194 Gr. 2H |
| 8 | Back Seat Bush | Stainless Steel | ASTM A276 TYPE 410 |
| 9 | Gland Packing | Flexible Graphite | - |
| 10 | Lantern Ring | S.S. | ASTM A276 TYPE 410 |
| 11 | Gland Follower | Stainless Steel | ASTM A276 TYPE 410 |
| 12 | Gland Flange | C.C.S./ C.S. | ASTM A216 Gr. WCB/ - |
| 13 | Gland Studs & Nuts | Alloy Steel/ H.T Steel | ASTM A193 Gr. B7/ASTM A194 Gr. 2H |
| 14 | Yoke Sleeve | Al. Bronze | BSEN 1982 Gr. CC331G |
| 15 | Yoke sleeve Retaining Nut | Carbon Steel | - |
| 16 | Handwheel | D.I./ M.I. | ASTM A536 Gr. 80-55-06/ ASTM A338 |
| 17 | Handwheel Retaining Nut | Carbon Steel | - |
| 18 | Gear Box Assembly* | C.I. | - |

NOTE : 1. Parts marked with * are optional and are for particular sizes.
 2. This item can be supplied in WC6, WC9 material also.



Dimensional Data

| Nominal Size (mm) | FF | FT | ØFW (Min.) | ØRFD | RFH | ØFD | k | n | Ød | ØHW | H |
|-------------------|--------|------|------------|------|-----|-----|-------|---|------|-----|-----|
| 40 | 190 ±2 | 19.1 | 38.1 | 73 | 2 | 155 | 114.3 | 4 | 7/8" | 210 | 410 |



| Nominal Size (mm) | FF | FT | ØFW (Min.) | ØRFD | RFH | ØFD | k | n | Ød | ØHW | H |
|-------------------|--------|------|------------|-------|-----|-----|-------|----|--------|-----|------|
| 50 | 216 ±2 | 20.7 | 50.8 | 92.1 | 2 | 165 | 127 | 8 | 3/4" | 210 | 435 |
| 65 | 241 ±2 | 23.9 | 63.5 | 104.8 | 2 | 190 | 149.2 | 8 | 7/8" | 210 | 495 |
| 80 | 282 ±2 | 27 | 76.2 | 127 | 2 | 210 | 168.3 | 8 | 7/8" | 210 | 455 |
| 100 | 305 ±2 | 30.2 | 101.6 | 157.2 | 2 | 255 | 200 | 8 | 7/8" | 300 | 620 |
| 125 | 381 ±2 | 33.4 | 127 | 185.7 | 2 | 280 | 235 | 8 | 7/8" | 300 | 915 |
| 150 | 403 ±2 | 35 | 152.4 | 215.9 | 2 | 320 | 269.9 | 12 | 7/8" | 400 | 875 |
| 200 | 419 ±2 | 39.7 | 203.2 | 269.9 | 2 | 380 | 330.2 | 12 | 1" | 450 | 1160 |
| 250 | 457 ±2 | 46.1 | 254 | 323.8 | 2 | 445 | 387.4 | 16 | 1.1/8" | 500 | 1455 |
| 300 | 502 ±3 | 49.3 | 304.8 | 381 | 2 | 520 | 450.8 | 16 | 1.1/4" | 450 | 1600 |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



AV-288A (CF8) C.S.S. Gate Valve, Class-300

Features

Bolted Bonnet, O/S & Yoke Type, Rising Stem, Renewable Seat, Solid or Flexible Wedge, SS 304 Trim

Flanges as per ASME B16.5, Class-300 RF (Drilled)

Product Standard: BS-1414/API-600

Test Pressure

Body : 76 Bar (Hyd.)

Seat : 55 Bar (Hyd.)

Testing Standard : BSEN-12266-1/ API-598

Suitability

Water, Steam, Oil

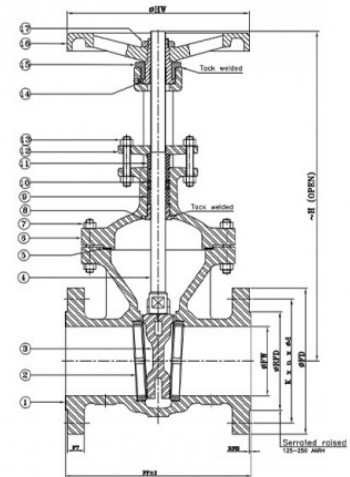


Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|---------------------------|---|--|
| 1 | Body | C.S.S | ASTM A351 Gr. CF8 |
| 2 | Body Seat Ring | C.S.S/F.S.S. | ASTM A351 Gr. CF8/ ASTM A182 Gr. F304 |
| 3 | Wedge | C.S.S | ASTM A351 Gr. CF8 |
| 4 | Stem | Stainless Steel | ASTM A276 TYPE 304 |
| 5 | Gasket | Spiral Wound S.S. 304 Graphoil Filler With Inner Ring | - |
| 6 | Bonnet | C.S.S | ASTM A351 Gr. CF8 |
| 7 | Studs & Nuts | Alloy Steel/ H.T Steel | ASTM A193 Gr. B7/B8/ASTM A194 Gr. 2H/8 |
| 8 | Back Seat Bush | Stainless Steel | ASTM A276 TYPE 304 |
| 9 | Gland Packing | Flexible Graphite | - |
| 10 | Lantern Ring | Stainless Steel | ASTM A276 TYPE 304 |
| 11 | Gland Follower | Stainless Steel | ASTM A276 TYPE 304 |
| 12 | Gland Flange | C.S.S. | ASTM A351 Gr. CF8 |
| 13 | Gland Studs & Nuts | Alloy Steel/ H.T Steel | ASTM A193 Gr. B7/B8/ASTM A194 Gr. 2H/8 |
| 14 | Yoke Sleeve | Al. Bronze | BSEN 1982 Gr. CC331G |
| 15 | Yoke sleeve Retaining Nut | C.S.S. | ASTM A351 Gr. CF8 |
| 16 | Handwheel | D.I./ M.I. | ASTM A536 Gr. 80-55-06/ ASTM A338 |
| 17 | Handwheel Retaining Nut | S.S./ C.S.S | ASTM A276 TYPE 304/ ASTM A351 GR. CF8 |
| 18 | Gear Box Assembly* | C.I. | - |

NOTE : 1. Parts marked with * are optional and are for particular sizes.

2. This item can be supplied in WC6, WC9 material also.



Dimensional Data

| Nominal Size (mm) | FF | FT | ØFW (Min.) | ØRFD | RFH | ØFD | k | n | Ød | ØHW | H |
|-------------------|--------|------|------------|-------|-----|-----|-------|---|------|-----|-----|
| 40 | 190 ±2 | 19.1 | 38.1 | 73 | 2 | 155 | 114.3 | 4 | 7/8" | 210 | 410 |
| 50 | 216 ±2 | 20.7 | 50.8 | 92.1 | 2 | 165 | 127 | 8 | 3/4" | 210 | 435 |
| 65 | 241 ±2 | 23.9 | 63.5 | 104.8 | 2 | 190 | 149.2 | 8 | 7/8" | 210 | 495 |



| Nominal Size (mm) | FF | FT | ØFW (Min.) | ØRFD | RFH | ØFD | k | n | Ød | ØHW | H |
|-------------------|--------|------|------------|-------|-----|-----|-------|----|--------|-----|------|
| 80 | 282 ±2 | 27 | 76.2 | 127 | 2 | 210 | 168.3 | 8 | 7/8" | 210 | 455 |
| 100 | 305 ±2 | 30.2 | 101.6 | 157.2 | 2 | 255 | 200 | 8 | 7/8" | 300 | 620 |
| 125 | 381 ±2 | 33.4 | 127 | 185.7 | 2 | 280 | 235 | 8 | 7/8" | 300 | 915 |
| 150 | 403 ±2 | 35 | 152.4 | 215.9 | 2 | 320 | 269.9 | 12 | 7/8" | 400 | 875 |
| 200 | 419 ±2 | 39.7 | 203.2 | 269.9 | 2 | 380 | 330.2 | 12 | 1" | 450 | 1160 |
| 250 | 457 ±2 | 46.1 | 254 | 323.8 | 2 | 445 | 387.4 | 16 | 1.1/8" | 500 | 1455 |
| 300 | 502 ±3 | 49.3 | 304.8 | 381 | 2 | 520 | 450.8 | 16 | 1.1/4" | 450 | 1600 |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



AV-288A (CF8M) C.S.S. Gate Valve, Class-300

Features

Bolted Bonnet, O/S & Yoke Type, Rising Stem, Renewable Seat, Solid or Flexible Wedge, SS 316 Trim

Flanges as per ASME B16.5, Class-300 RF (Drilled)

Product Standard: BS-1414/API-600

Test Pressure

Body : 76 Bar (Hyd.)

Seat : 55 Bar (Hyd.)

Testing Standard : BSEN-12266-1/ API-598

Suitability

Water, Steam, Oil

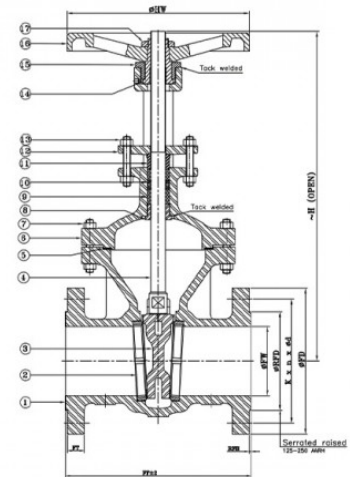


Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|---------------------------|---|--|
| 1 | Body | C.S.S | ASTM A351 Gr. CF8M |
| 2 | Body Seat Ring | C.S.S/F.S.S. | ASTM A351 Gr. CF8M/ ASTM A182 Gr. F316 |
| 3 | Wedge | C.S.S | ASTM A351 Gr. CF8M |
| 4 | Stem | Stainless Steel | ASTM A276 TYPE 316 |
| 5 | Gasket | Spiral Wound S.S. 316 Graphoil Filler With Inner Ring | - |
| 6 | Bonnet | C.S.S | ASTM A351 Gr. CF8M |
| 7 | Studs & Nuts | Alloy Steel/ H.T Steel | ASTM A193 Gr. B7/B8/ASTM A194 Gr. 2H/8 |
| 8 | Back Seat Bush | Stainless Steel | ASTM A276 TYPE 316 |
| 9 | Gland Packing | Flexible Graphite | - |
| 10 | Lantern Ring | Stainless Steel | ASTM A276 TYPE 316 |
| 11 | Gland Follower | Stainless Steel | ASTM A276 TYPE 316 |
| 12 | Gland Flange | C.S.S. | ASTM A351 Gr. CF8M |
| 13 | Gland Studs & Nuts | Alloy Steel/ H.T Steel | ASTM A193 Gr. B7/B8/ASTM A194 Gr. 2H/8 |
| 14 | Yoke Sleeve | Al. Bronze | BSEN 1982 Gr. CC331G |
| 15 | Yoke sleeve Retaining Nut | C.S.S. | ASTM A351 Gr. CF8M |
| 16 | Handwheel | D.I./ M.I. | ASTM A536 Gr. 80-55-06/ ASTM A338 |
| 17 | Handwheel Retaining Nut | S.S./ C.S.S. | ASTM A276 TYPE 316/ ASTM A351 GR. CF8M |
| 18 | Gear Box Assembly* | C.I. | - |

NOTE : 1. Parts marked with * are optional and are for particular sizes.

2. This item can be supplied in WC6, WC9 material also.



Dimensional Data

| Nominal Size (mm) | FF | FT | ØFW (Min.) | ØRFD | RFH | ØFD | k | n | Ød | ØHW | H |
|-------------------|--------|------|------------|-------|-----|-----|-------|---|------|-----|-----|
| 40 | 190 ±2 | 19.1 | 38.1 | 73 | 2 | 155 | 114.3 | 4 | 7/8" | 210 | 410 |
| 50 | 216 ±2 | 20.7 | 50.8 | 92.1 | 2 | 165 | 127 | 8 | 3/4" | 210 | 435 |
| 65 | 241 ±2 | 23.9 | 63.5 | 104.8 | 2 | 190 | 149.2 | 8 | 7/8" | 210 | 495 |



| Nominal Size (mm) | FF | FT | ØFW (Min.) | ØRFD | RFH | ØFD | k | n | Ød | ØHW | H |
|-------------------|--------|------|------------|-------|-----|-----|-------|----|--------|-----|------|
| 80 | 282 ±2 | 27 | 76.2 | 127 | 2 | 210 | 168.3 | 8 | 7/8" | 210 | 455 |
| 100 | 305 ±2 | 30.2 | 101.6 | 157.2 | 2 | 255 | 200 | 8 | 7/8" | 300 | 620 |
| 125 | 381 ±2 | 33.4 | 127 | 185.7 | 2 | 280 | 235 | 8 | 7/8" | 300 | 915 |
| 150 | 403 ±2 | 35 | 152.4 | 215.9 | 2 | 320 | 269.9 | 12 | 7/8" | 400 | 875 |
| 200 | 419 ±2 | 39.7 | 203.2 | 269.9 | 2 | 380 | 330.2 | 12 | 1" | 450 | 1160 |
| 250 | 457 ±2 | 46.1 | 254 | 323.8 | 2 | 445 | 387.4 | 16 | 1.1/8" | 500 | 1455 |
| 300 | 502 ±3 | 49.3 | 304.8 | 381 | 2 | 520 | 450.8 | 16 | 1.1/4" | 450 | 1600 |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



AV-288B (WCB) C.C.S. Gate Valve, Class-600

Features

Bolted Bonnet, O/S & Yoke Type, Rising Stem, Renewable Seat, Solid or Flexible Wedge, SS Trim
 Flanges as per ASME B16.5, Class-600 RF (Drilled)
 Product Standard: BS-1414/API-600

Test Pressure

Body : 153 Bar (Hyd.)
 Seat : 112 Bar (Hyd.)

Suitability

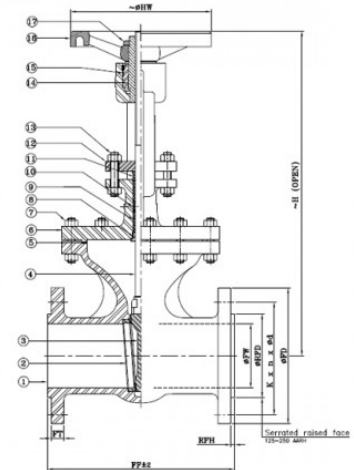
Water, Steam, Oil

Photo Not Available

Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|---------------------------|--|--|
| 1 | Body | C.C.S | ASTM A216 Gr. WCB |
| 2 | Body Seat Ring | C.C.S/ F.S.S. | ASTM A216 Gr. WCB + 13% Cr. Weld Deposite/ ASTM A182 Gr. F6a |
| 3 | Wedge | C.S.S | ASTM A216 Gr. WCB + 13% Cr. Weld Deposite/ ASTM 217 Gr. CA15 |
| 4 | Stem | Stainless Steel | ASTM A276 TYPE 410 |
| 5 | Gasket | Spiral Wound Spiral Wound S.S. 304 Graphoil Filler With Inner Ring | - |
| 6 | Bonnet | C.C.S | ASTM A216 Gr. WCB |
| 7 | Body/ Bonnet Studs & Nuts | Alloy Steel/ H.T Steel | ASTM A193 Gr. B7/ASTM A194 Gr. 2H |
| 8 | Back Seat Bush | Stainless Steel | ASTM A276 TYPE 410 |
| 9 | Gland Packing | Flexible Graphite | - |
| 10 | Lantern Ring | S.S. | ASTM A276 TYPE 410 |
| 11 | Gland Follower | Stainless Steel | ASTM A276 TYPE 410 |
| 12 | Gland Flange | C.C.S./ C.S. | ASTM A216 Gr. WCB/ - |
| 13 | Gland Studs & Nuts | Alloy Steel/ H.T Steel | ASTM A193 Gr. B7/ASTM A194 Gr. 2H |
| 14 | Yoke Sleeve | Al. Bronze | BSEN 1982 Gr. CC331G |
| 15 | Yoke sleeve Retaining Nut | Carbon Steel | - |
| 16 | Handwheel | D.I./ M.I. | ASTM A536 Gr. 80-55-06/ ASTM A338 |
| 17 | Handwheel Retaining Nut | Carbon Steel | - |
| 18 | Gear Box Assembly* | C.I. | - |

NOTE : 1. Parts marked with * are optional and are for particular sizes.
 2. This item can be supplied in WC6, WC9 material also.



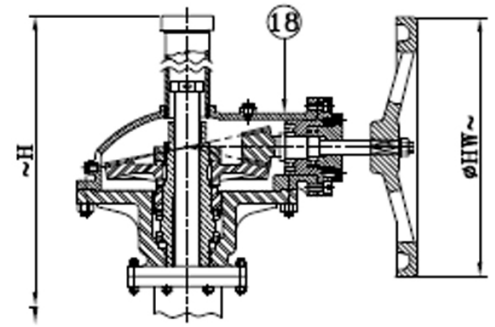
Dimensional Data

| Nominal Size (mm) | FF | FT | ØFW | ØRFD | RFH | ØFD | K | n | Ød | ØHW | H |
|-------------------|--------|------|------|-------|-----|-----|-------|---|------|-----|-----|
| 40 | 241 ±2 | 22.3 | 38.1 | 73 | 7 | 155 | 114.3 | 4 | 7/8" | 210 | 410 |
| 50 | 292 ±2 | 25.4 | 50.8 | 92.1 | 7 | 165 | 127 | 8 | 3/4" | 210 | 470 |
| 65 | 330 ±2 | 28.6 | 63.5 | 104.8 | 7 | 190 | 149.2 | 8 | 7/8" | 210 | 540 |



| Nominal Size (mm) | FF | FT | ØFW | ØRFD | RFH | ØFD | K | n | Ød | ØHW | H |
|-------------------|--------|------|-------|-------|-----|-----|-------|----|--------|-----|------|
| 80 | 356 ±2 | 31.8 | 76.2 | 127 | 7 | 210 | 168.3 | 8 | 7/8" | 254 | 610 |
| 100 | 432 ±2 | 38.1 | 102 | 157.2 | 7 | 275 | 215.9 | 8 | 1" | 350 | 725 |
| 125 | 508 ±2 | 44.5 | 127 | 185.7 | 7 | 330 | 266.7 | 8 | 1.1/8" | 400 | 870 |
| 150 | 559 ±2 | 47.7 | 153 | 215.9 | 7 | 355 | 292.1 | 12 | 1.1/8" | 500 | 1050 |
| 200 | 660 ±2 | 55.6 | 200 | 269.9 | 7 | 420 | 349.2 | 12 | 1.1/4" | 450 | 1345 |
| 250 | 787 ±2 | 63.5 | 247.7 | 323.8 | 7 | 510 | 431.8 | 16 | 1.3/8" | 450 | 1370 |
| 300 | 838 ±3 | 66.7 | 298.5 | 381 | 7 | 560 | 489 | 20 | 1.3/8" | 450 | 1645 |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



GEAR BOX FOR
200mm & ABOVE



AV-288B (CF8) C.S.S. Gate Valve, Class-600

Features

Yoke Type, Outside Screw, Rising Stem
 Flanges as per ASME B16.5, CClass-600 RF (Drilled)
 Product Standard: API:09:600:

Test Pressure

Body : 153 Bar (Hyd.)
 Back Seat & Seat : 112 Bar (Hyd.)
 Seat : 6.9 Bar (Air)
 Working Conditions : (Max cold workin pressure 102.1 Bar. Hyd.)
 Testing Standard : API 596:09

Suitability

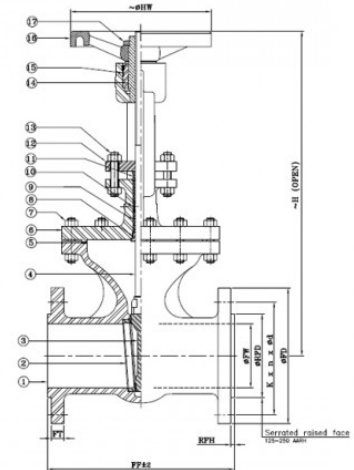
Water, Steam, Oil

Photo Not Available

Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|---------------------------|---|--|
| 1 | Body | C.S.S | ASTM A351 Gr. CF8 |
| 2 | Body Seat Ring | C.S.S/F.S.S. | ASTM A351 Gr. CF8/ ASTM A182 Gr. F304 |
| 3 | Wedge | C.S.S | ASTM A351 Gr. CF8 |
| 4 | Stem | Stainless Steel | ASTM A276 TYPE 304 |
| 5 | Gasket | Spiral Wound S.S. 304 Graphoil Filler With Inner Ring | - |
| 6 | Bonnet | C.S.S | ASTM A351 Gr. CF8 |
| 7 | Studs & Nuts | Alloy Steel/ H.T Steel | ASTM A193 Gr. B7/B8/ASTM A194 Gr. 2H/8 |
| 8 | Back Seat Bush | Stainless Steel | ASTM A276 TYPE 304 |
| 9 | Gland Packing | Flexible Graphite | - |
| 10 | Lantern Ring | Stainless Steel | ASTM A276 TYPE 304 |
| 11 | Gland Follower | Stainless Steel | ASTM A276 TYPE 304 |
| 12 | Gland Flange | C.S.S. | ASTM A351 Gr. CF8 |
| 13 | Gland Studs & Nuts | Alloy Steel/ H.T Steel | ASTM A193 Gr. B7/B8/ASTM A194 Gr. 2H/8 |
| 14 | Yoke Sleeve | Al. Bronze | BSEN 1982 Gr. CC331G |
| 15 | Yoke sleeve Retaining Nut | C.S.S. | ASTM A351 Gr. CF8 |
| 16 | Handwheel | D.I./ M.I. | ASTM A536 Gr. 80-55-06/ ASTM A338 |
| 17 | Handwheel Retaining Nut | S.S./ C.S.S | ASTM A276 TYPE 304/ ASTM A351 GR. CF8 |
| 18 | Gear Box Assembly* | C.I. | - |

NOTE : 1. Parts marked with * are optional and are for particular sizes.
 2. This item can be supplied in WC6, WC9 material also.



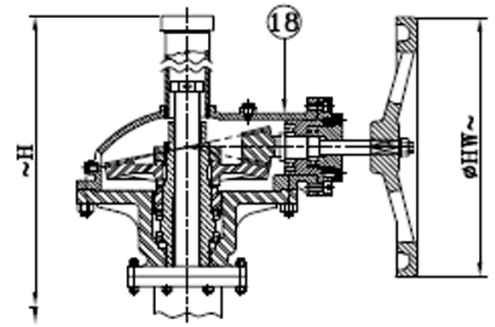
Dimensional Data

| Nominal Size (mm) | FF | FT | ØFW | ØRFD | RFH | ØFD | K | n | Ød | ØHW | H |
|-------------------|--------|------|------|-------|-----|-----|-------|----|--------|-----|------|
| 40 | 241 ±2 | 22.3 | 38.1 | 73 | 7 | 155 | 114.3 | 4 | 7/8" | 210 | 410 |
| 50 | 292 ±2 | 25.4 | 50.8 | 92.1 | 7 | 165 | 127 | 8 | 3/4" | 210 | 470 |
| 65 | 330 ±2 | 28.6 | 63.5 | 104.8 | 7 | 190 | 149.2 | 8 | 7/8" | 210 | 540 |
| 80 | 356 ±2 | 31.8 | 76.2 | 127 | 7 | 210 | 168.3 | 8 | 7/8" | 254 | 610 |
| 100 | 432 ±2 | 38.1 | 102 | 157.2 | 7 | 275 | 215.9 | 8 | 1" | 350 | 725 |
| 125 | 508 ±2 | 44.5 | 127 | 185.7 | 7 | 330 | 266.7 | 8 | 1.1/8" | 400 | 870 |
| 150 | 559 ±2 | 47.7 | 153 | 215.9 | 7 | 355 | 292.1 | 12 | 1.1/8" | 500 | 1050 |



| Nominal Size (mm) | FF | FT | ØFW | ØRFD | RFH | ØFD | K | n | Ød | ØHW | H |
|-------------------|--------|------|-------|-------|-----|-----|-------|----|--------|-----|------|
| 200 | 660 ±2 | 55.6 | 200 | 269.9 | 7 | 420 | 349.2 | 12 | 1.1/4" | 450 | 1345 |
| 250 | 787 ±2 | 63.5 | 247.7 | 323.8 | 7 | 510 | 431.8 | 16 | 1.3/8" | 450 | 1370 |
| 300 | 838 ±3 | 66.7 | 298.5 | 381 | 7 | 560 | 489 | 20 | 1.3/8" | 450 | 1645 |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



GEAR BOX FOR
200mm & ABOVE



AV-288B (CF8M) C.S.S. Gate Valve, Class-600



Features

Yoke Type, Outside Screw, Rising Stem
 Flanges as per ASME B16.5, CClass-600 RF (Drilled)
 Product Standard: API:09:600:

Test Pressure

Body : 153 Bar (Hyd.)
 Back Seat & Seat : 112 Bar (Hyd.)
 Seat : 6.9 Bar (Air)
 Working Conditions : (Max cold workin pressure 102.1 Bar. Hyd.)
 Testing Standard : API 596:09

Suitability

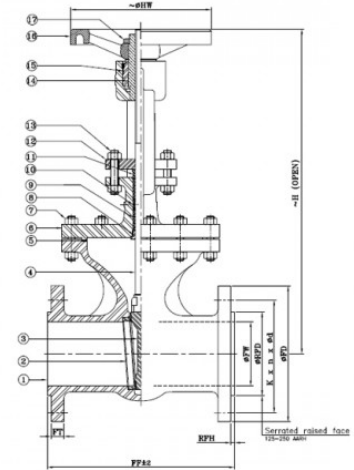
Water, Steam, Oil

Photo Not Available

Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|---------------------------|---|--|
| 1 | Body | C.S.S | ASTM A351 Gr. CF8M |
| 2 | Body Seat Ring | C.S.S/F.S.S. | ASTM A351 Gr. CF8M/ ASTM A182 Gr. F316 |
| 3 | Wedge | C.S.S | ASTM A351 Gr. CF8M |
| 4 | Stem | Stainless Steel | ASTM A276 TYPE 316 |
| 5 | Gasket | Spiral Wound S.S. 316 Graphoil Filler With Inner Ring | - |
| 6 | Bonnet | C.S.S | ASTM A351 Gr. CF8M |
| 7 | Studs & Nuts | Alloy Steel/ H.T Steel | ASTM A193 Gr. B7/B8/ASTM A194 Gr. 2H/8 |
| 8 | Back Seat Bush | Stainless Steel | ASTM A276 TYPE 316 |
| 9 | Gland Packing | Flexible Graphite | - |
| 10 | Lantern Ring | Stainless Steel | ASTM A276 TYPE 316 |
| 11 | Gland Follower | Stainless Steel | ASTM A276 TYPE 316 |
| 12 | Gland Flange | C.S.S. | ASTM A351 Gr. CF8M |
| 13 | Gland Studs & Nuts | Alloy Steel/ H.T Steel | ASTM A193 Gr. B7/B8/ASTM A194 Gr. 2H/8 |
| 14 | Yoke Sleeve | Al. Bronze | BSEN 1982 Gr. CC331G |
| 15 | Yoke sleeve Retaining Nut | C.S.S. | ASTM A351 Gr. CF8M |
| 16 | Handwheel | D.I./ M.I. | ASTM A536 Gr. 80-55-06/ ASTM A338 |
| 17 | Handwheel Retaining Nut | S.S./ C.S.S. | ASTM A276 TYPE 316/ ASTM A351 GR. CF8M |
| 18 | Gear Box Assembly* | C.I. | - |

NOTE : 1. Parts marked with * are optional and are for particular sizes.
 2. This item can be supplied in WC6, WC9 material also.



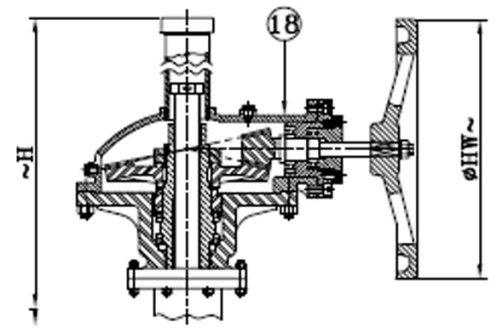
Dimensional Data

| Nominal Size (mm) | FF | FT | ØFW | ØRFD | RFH | ØFD | K | n | Ød | ØHW | H |
|-------------------|--------|------|------|-------|-----|-----|-------|----|--------|-----|------|
| 40 | 241 ±2 | 22.3 | 38.1 | 73 | 7 | 155 | 114.3 | 4 | 7/8" | 210 | 410 |
| 50 | 292 ±2 | 25.4 | 50.8 | 92.1 | 7 | 165 | 127 | 8 | 3/4" | 210 | 470 |
| 65 | 330 ±2 | 28.6 | 63.5 | 104.8 | 7 | 190 | 149.2 | 8 | 7/8" | 210 | 540 |
| 80 | 356 ±2 | 31.8 | 76.2 | 127 | 7 | 210 | 168.3 | 8 | 7/8" | 254 | 610 |
| 100 | 432 ±2 | 38.1 | 102 | 157.2 | 7 | 275 | 215.9 | 8 | 1" | 350 | 725 |
| 125 | 508 ±2 | 44.5 | 127 | 185.7 | 7 | 330 | 266.7 | 8 | 1.1/8" | 400 | 870 |
| 150 | 559 ±2 | 47.7 | 153 | 215.9 | 7 | 355 | 292.1 | 12 | 1.1/8" | 500 | 1050 |



| Nominal Size (mm) | FF | FT | ØFW | ØRFD | RFH | ØFD | K | n | Ød | ØHW | H |
|-------------------|--------|------|-------|-------|-----|-----|-------|----|--------|-----|------|
| 200 | 660 ±2 | 55.6 | 200 | 269.9 | 7 | 420 | 349.2 | 12 | 1.1/4" | 450 | 1345 |
| 250 | 787 ±2 | 63.5 | 247.7 | 323.8 | 7 | 510 | 431.8 | 16 | 1.3/8" | 450 | 1370 |
| 300 | 838 ±3 | 66.7 | 298.5 | 381 | 7 | 560 | 489 | 20 | 1.3/8" | 450 | 1645 |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



GEAR BOX FOR
200mm & ABOVE



AV-289 (WCB) Globe Valve, Class-150

Features

Yoke Type, Outside Screw, Rising Stem
 Flanges as per ASME B16.5, Class-600 RF (Drilled)
 Product Standard: API:09:600:

Test Pressure

Body : 153 Bar (Hyd.)
 Back Seat & Seat : 112 Bar (Hyd.)
 Seat : 6.9 Bar (Air)
 Working Conditions : (Max cold workin pressure 102.1 Bar. Hyd.)
 Testing Standard : API 596:09

Suitability

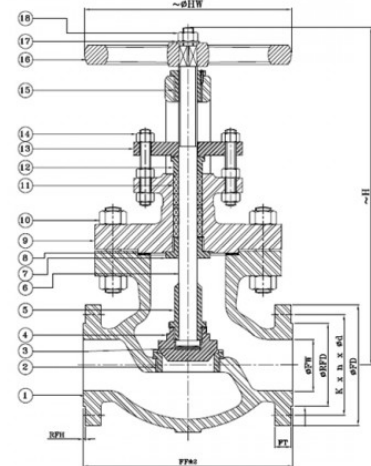
Water, Steam, Oil



Material Combination

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

NOTE : 1. This item can be supplied in WC6, WC9 material also.



Dimensional Data

| Nominal Size (mm) | FF | FT | ØFW(Min.) | ØRFD | RFH | ØFD | K | n | Ød | ØHW | H |
|-------------------|--------|------|-----------|-------|-----|-----|-------|---|------|-----|-----|
| 40 | 165 ±2 | 12.7 | 38 | 73 | 2 | 125 | 98.4 | 4 | 5/8" | 203 | 240 |
| 50 | 203 ±2 | 14.3 | 51 | 92.1 | 2 | 150 | 120.7 | 4 | 3/4" | 203 | 270 |
| 65 | 216 ±2 | 15.9 | 64 | 104.8 | 2 | 180 | 139.7 | 4 | 3/4" | 229 | 310 |
| 80 | 241 ±2 | 17.5 | 76 | 127 | 2 | 190 | 152.4 | 4 | 3/4" | 229 | 350 |



| Nominal Size (mm) | FF | FT | ØFW(Min.) | ØRFD | RFH | ØFD | K | n | Ød | ØHW | H |
|-------------------|--------|------|-----------|-------|-----|-----|-------|----|--------|-----|------|
| 100 | 292 ±2 | 22.3 | 102 | 157.2 | 2 | 230 | 190.5 | 8 | 3/4" | 254 | 400 |
| 125 | 356 ±2 | 22.3 | 127 | 185.7 | 2 | 255 | 215.9 | 8 | 7/8" | 254 | 425 |
| 150 | 406 ±2 | 23.9 | 152 | 215.9 | 2 | 280 | 241.3 | 8 | 7/8" | 305 | 500 |
| 200 | 495 ±2 | 27 | 203 | 269.9 | 2 | 345 | 298.5 | 8 | 7/8" | 457 | 590 |
| 250 | 622 ±2 | 28.6 | 254 | 323.8 | 2 | 405 | 362 | 12 | 1" | 560 | 740 |
| 300 | 698 ±3 | 30.2 | 305 | 381 | 2 | 485 | 431.8 | 12 | 1" | 635 | 805 |
| 350 | 787 ±3 | 33.4 | 337 | 412.8 | 2 | 535 | 476.3 | 12 | 1.1/8" | 450 | 1150 |
| 400 | 914 ±3 | 35 | 387 | 469.9 | 2 | 595 | 539.8 | 16 | 1.1/8" | 450 | 1210 |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



AV-289 (CF8) C.S.S. Globe Valve, Class-150

Features

Bolted Bonnet, O/S & Yoke Type, Rising Stem, Renewable Seat, Renewable Plug Type Disc, SS 304 Trim
 Flanges as per ASME B16.5, Class-150 RF (Drilled)
 Product Standard: BS-1873

Test Pressure

Body : 30 Bar (Hyd.)
 Seat : 22 Bar (Hyd.)
 Testing Standard: BSEN-12266-1

Suitability

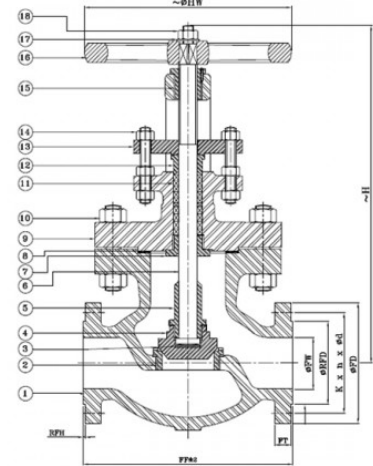
Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------------|---|--|
| 1 | Body | C.S.S | ASTM A351 Gr. CF8 |
| 2 | Body Seat Ring | C.S.S/F.S.S. | ASTM A351Gr. CF8/ ASTM A182 Gr. F304 |
| 3 | Thrust Plate | Hardened Steel | - |
| 4 | Disc | C.S.S./ S.S. | ASTM A351 Gr. CF8/ ASTM A 276 TYPE 304 |
| 5 | Disc Nut | S.S. | ASTM A 276 TYPE 304 |
| 6 | Stem | S.S. | ASTM A 276 TYPE 304 |
| 7 | Back Seat Bush | S.S. | ASTM A276 TYPE 304 |
| 8 | Gasket | Spiral Wound S.S. 304 Graphoil Filler With Inner Ring | - |
| 9 | Bonnet | C.S.S. | ASTM A351 Gr. CF8 |
| 10 | Studs & Nuts | Alloy Steel/ H.T Steel | ASTM A193 Gr. B7/B8/ASTM A194 Gr. 2H/8 |
| 11 | Gland Packing | Flexible Graphite | - |
| 12 | Gland Follower | S.S. | ASTM A276 TYPE 304 |
| 13 | Gland Flange | C.S.S. | ASTM A351 Gr. CF8 |
| 14 | Gland Studs & Nuts | Alloy Steel/ H.T Steel | ASTM A193 Gr. B7/B8/ASTM A194 Gr. 2H/8 |
| 15 | Yoke Bush | Al. Bronze | BSEN 1982 Gr. CC331G |
| 18 | Handwheel | M.I./ D.I. | ASTM A338/ ASTM A536 Gr. 80-55-06 |
| 17 | Washer | Carbon Steel | - |
| 18 | Nut for Handwheel | Carbon Steel | - |

NOTE : 1. This item can be supplied in WC6, WC9 material also.



Dimensional Data

| Nominal Size (mm) | FF | FT | ØFW(Min.) | ØRFD | RFH | ØFD | K | n | Ød | ØHW | H |
|-------------------|--------|------|-----------|-------|-----|-----|-------|---|------|-----|-----|
| 40 | 165 ±2 | 12.7 | 38 | 73 | 2 | 125 | 98.4 | 4 | 5/8" | 203 | 240 |
| 50 | 203 ±2 | 14.3 | 51 | 92.1 | 2 | 150 | 120.7 | 4 | 3/4" | 203 | 270 |
| 65 | 216 ±2 | 15.9 | 64 | 104.8 | 2 | 180 | 139.7 | 4 | 3/4" | 229 | 310 |
| 80 | 241 ±2 | 17.5 | 76 | 127 | 2 | 190 | 152.4 | 4 | 3/4" | 229 | 350 |
| 100 | 292 ±2 | 22.3 | 102 | 157.2 | 2 | 230 | 190.5 | 8 | 3/4" | 254 | 400 |



| Nominal Size (mm) | FF | FT | ØFW(Min.) | ØRFD | RFH | ØFD | K | n | Ød | ØHW | H |
|-------------------|--------|------|-----------|-------|-----|-----|-------|----|--------|-----|------|
| 125 | 356 ±2 | 22.3 | 127 | 185.7 | 2 | 255 | 215.9 | 8 | 7/8" | 254 | 425 |
| 150 | 406 ±2 | 23.9 | 152 | 215.9 | 2 | 280 | 241.3 | 8 | 7/8" | 305 | 500 |
| 200 | 495 ±2 | 27 | 203 | 269.9 | 2 | 345 | 298.5 | 8 | 7/8" | 457 | 590 |
| 250 | 622 ±2 | 28.6 | 254 | 323.8 | 2 | 405 | 362 | 12 | 1" | 560 | 740 |
| 300 | 698 ±3 | 30.2 | 305 | 381 | 2 | 485 | 431.8 | 12 | 1" | 635 | 805 |
| 350 | 787 ±3 | 33.4 | 337 | 412.8 | 2 | 535 | 476.3 | 12 | 1.1/8" | 450 | 1150 |
| 400 | 914 ±3 | 35 | 387 | 469.9 | 2 | 595 | 539.8 | 16 | 1.1/8" | 450 | 1210 |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



AV-289 (CF8M) C.S.S. Globe Valve, Class-150

Features

Bolted Bonnet, O/S & Yoke Type, Rising Stem, Renewable Seat, Renewable Plug Type Disc, SS 316 Trim
 Flanges as per ASME B16.5, Class-150 RF (Drilled)
 Product Standard: BS-1873

Test Pressure

Body : 30 Bar (Hyd.)
 Seat : 22 Bar (Hyd.)
 Testing Standard: BSEN-12266-1

Suitability

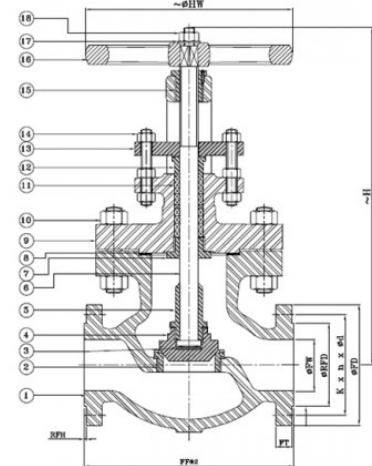
Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------------|---|---|
| 1 | Body | C.S.S | ASTM A351 Gr. CF8M |
| 2 | Body Seat Ring | C.S.S/F.S.S. | ASTM A351Gr. CF8M/ ASTM A182 Gr. F316 |
| 3 | Thrust Plate | Hardened Steel | - |
| 4 | Disc | C.S.S./ S.S. | ASTM A351 Gr. CF8M/ ASTM A 276 TYPE 316 |
| 5 | Disc Nut | S.S. | ASTM A 276 TYPE 316 |
| 6 | Stem | S.S. | ASTM A 276 TYPE 316 |
| 7 | Back Seat Bush | S.S. | ASTM A276 TYPE 316 |
| 8 | Gasket | Spiral Wound S.S. 316 Graphoil Filler With Inner Ring | - |
| 9 | Bonnet | C.S.S. | ASTM A351 Gr. CF8M |
| 10 | Studs & Nuts | Alloy Steel/ H.T Steel | ASTM A193 Gr. B7/B8/ASTM A194 Gr. 2H/8 |
| 11 | Gland Packing | Flexible Graphite | - |
| 12 | Gland Follower | Stainless Steel | ASTM A276 TYPE 316 |
| 13 | Gland Flange | C.S.S. | ASTM A351 Gr. CF8M |
| 14 | Gland Studs & Nuts | Alloy Steel/ H.T Steel | ASTM A193 Gr. B7/B8/ASTM A194 Gr. 2H/8 |
| 15 | Yoke Bush | Al. Bronze | BSEN 1982 Gr. CC331G |
| 18 | Handwheel | M.I./ D.I. | ASTM A338/ ASTM A536 Gr. 80-55-06 |
| 17 | Washer | Carbon Steel | - |
| 18 | Nut for Handwheel | Carbon Steel | - |

NOTE : 1. This item can be supplied in WC6, WC9 material also.



Dimensional Data

| Nominal Size (mm) | FF | FT | ØFW(Min.) | ØRFD | RFH | ØFD | K | n | Ød | ØHW | H |
|-------------------|--------|------|-----------|-------|-----|-----|-------|---|------|-----|-----|
| 40 | 165 ±2 | 12.7 | 38 | 73 | 2 | 125 | 98.4 | 4 | 5/8" | 203 | 240 |
| 50 | 203 ±2 | 14.3 | 51 | 92.1 | 2 | 150 | 120.7 | 4 | 3/4" | 203 | 270 |
| 65 | 216 ±2 | 15.9 | 64 | 104.8 | 2 | 180 | 139.7 | 4 | 3/4" | 229 | 310 |
| 80 | 241 ±2 | 17.5 | 76 | 127 | 2 | 190 | 152.4 | 4 | 3/4" | 229 | 350 |
| 100 | 292 ±2 | 22.3 | 102 | 157.2 | 2 | 230 | 190.5 | 8 | 3/4" | 254 | 400 |



| Nominal Size (mm) | FF | FT | ØFW(Min.) | ØRFD | RFH | ØFD | K | n | Ød | ØHW | H |
|-------------------|--------|------|-----------|-------|-----|-----|-------|----|--------|-----|------|
| 125 | 356 ±2 | 22.3 | 127 | 185.7 | 2 | 255 | 215.9 | 8 | 7/8" | 254 | 425 |
| 150 | 406 ±2 | 23.9 | 152 | 215.9 | 2 | 280 | 241.3 | 8 | 7/8" | 305 | 500 |
| 200 | 495 ±2 | 27 | 203 | 269.9 | 2 | 345 | 298.5 | 8 | 7/8" | 457 | 590 |
| 250 | 622 ±2 | 28.6 | 254 | 323.8 | 2 | 405 | 362 | 12 | 1" | 560 | 740 |
| 300 | 698 ±3 | 30.2 | 305 | 381 | 2 | 485 | 431.8 | 12 | 1" | 635 | 805 |
| 350 | 787 ±3 | 33.4 | 337 | 412.8 | 2 | 535 | 476.3 | 12 | 1.1/8" | 450 | 1150 |
| 400 | 914 ±3 | 35 | 387 | 469.9 | 2 | 595 | 539.8 | 16 | 1.1/8" | 450 | 1210 |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



AV-289A (WCB) C.C.S. Globe Valve, Class-300

Features

Bolted Bonnet, O/S & Yoke Type, Rising Stem, Renewable Seat, Solid or Flexible Wedge, SS Trim, Flanges as per ASME B16.5, Class-300 RF (Drilled)
Product Standard: BS-1873

Test Pressure

Body : 76 Bar (Hyd.)
Seat : 55 Bar (Hyd.)
Testing Standard: BSEN-12266 Part-1

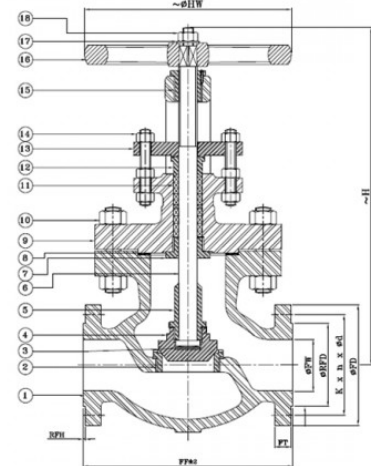
Suitability

Water, Steam, Oil



Material Combination

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



NOTE : 1. This item can be supplied in WC6, WC9 material also.

Dimensional Data

| Nominal Size (mm) | FF ±2 | FT | ØFW (Min.) | ØRFD | RFH | ØFD | K | n | Ød | ØHW | H |
|-------------------|-------|------|------------|-------|-----|-----|-------|---|------|-----|-----|
| 40 | 229 | 19.1 | 38 | 73 | 2 | 155 | 114.3 | 4 | 7/8" | 215 | 310 |
| 50 | 267 | 20.7 | 51 | 92.1 | 2 | 165 | 127 | 8 | 3/4" | 215 | 320 |
| 65 | 292 | 23.9 | 64 | 104.8 | 2 | 190 | 149.2 | 8 | 7/8" | 254 | 408 |
| 80 | 318 | 27 | 76 | 127 | 2 | 210 | 168.3 | 8 | 7/8" | 254 | 415 |



| Nominal Size (mm) | FF ±2 | FT | ØFW (Min.) | ØRFD | RFH | ØFD | K | n | Ød | ØHW | H |
|-------------------|-------|------|------------|-------|-----|-----|-------|----|------|-----|-----|
| 100 | 356 | 30.2 | 102 | 157.2 | 2 | 255 | 200 | 8 | 7/8" | 350 | 430 |
| 125 | 400 | 33.4 | 127 | 185.7 | 2 | 280 | 235 | 8 | 7/8" | 400 | 460 |
| 150 | 444 | 35 | 152 | 215.9 | 2 | 320 | 269.9 | 12 | 7/8" | 450 | 490 |
| 200 | 559 | 39.7 | 203 | 269.9 | 2 | 380 | 330.2 | 12 | 1" | 500 | 530 |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



AV-289A (CF8) C.S.S. Globe Valve, Class-300

Features

Bolted Bonnet, O/S & Yoke Type, Rising Stem, Renewable Seat, Solid or Flexible Wedge, SS 304 Trim
 Flanges as per ASME B16.5, Class-300 RF (Drilled)
 Product Standard: BS-1873

Test Pressure

Body : 76 Bar (Hyd.)
 Seat : 55 Bar (Hyd.)
 Testing Standard: BSEN-12266 Part-1

Suitability

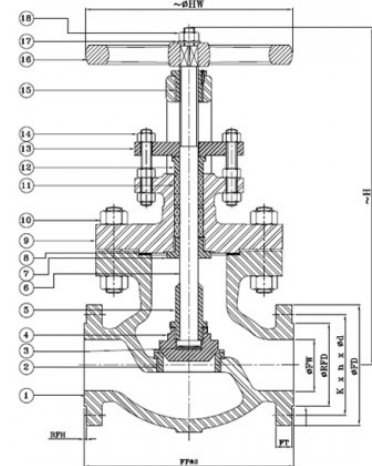
Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------------|---|--|
| 1 | Body | C.S.S | ASTM A351 Gr. CF8 |
| 2 | Body Seat Ring | C.S.S/F.S.S. | ASTM A351Gr. CF8/ ASTM A182 Gr. F304 |
| 3 | Thrust Plate | Hardened Steel | - |
| 4 | Disc | C.S.S./ S.S. | ASTM A351 Gr. CF8/ ASTM A 276 TYPE 304 |
| 5 | Disc Nut | S.S. | ASTM A 276 TYPE 304 |
| 6 | Stem | S.S. | ASTM A 276 TYPE 304 |
| 7 | Back Seat Bush | S.S. | ASTM A276 TYPE 304 |
| 8 | Gasket | Spiral Wound S.S. 304 Graphoil Filler With Inner Ring | - |
| 9 | Bonnet | C.S.S. | ASTM A351 Gr. CF8 |
| 10 | Studs & Nuts | Alloy Steel/ H.T Steel | ASTM A193 Gr. B7/B8/ASTM A194 Gr. 2H/8 |
| 11 | Gland Packing | Flexible Graphite | - |
| 12 | Gland Follower | Stainless Steel | ASTM A276 TYPE 304 |
| 13 | Gland Flange | C.S.S. | ASTM A351 Gr. CF8 |
| 14 | Gland Studs & Nuts | Alloy Steel/ H.T Steel | ASTM A193 Gr. B7/B8/ASTM A194 Gr. 2H/8 |
| 15 | Yoke Bush | Al. Bronze | BSEN 1982 Gr. CC331G |
| 18 | Handwheel | M.I./ D.I. | ASTM A338/ ASTM A536 Gr. 80-55-06 |
| 17 | Washer | Carbon Steel | - |
| 18 | Nut for Handwheel | Carbon Steel | - |

NOTE : 1. This item can be supplied in WC6, WC9 material also.



Dimensional Data

| Nominal Size (mm) | FF ±2 | FT | ØFW (Min.) | ØRFD | RFH | ØFD | K | n | Ød | ØHW | H |
|-------------------|-------|------|------------|-------|-----|-----|-------|---|------|-----|-----|
| 40 | 229 | 19.1 | 38 | 73 | 2 | 155 | 114.3 | 4 | 7/8" | 215 | 310 |
| 50 | 267 | 20.7 | 51 | 92.1 | 2 | 165 | 127 | 8 | 3/4" | 215 | 320 |
| 65 | 292 | 23.9 | 64 | 104.8 | 2 | 190 | 149.2 | 8 | 7/8" | 254 | 408 |
| 80 | 318 | 27 | 76 | 127 | 2 | 210 | 168.3 | 8 | 7/8" | 254 | 415 |
| 100 | 356 | 30.2 | 102 | 157.2 | 2 | 255 | 200 | 8 | 7/8" | 350 | 430 |



| Nominal Size (mm) | FF ±2 | FT | ØFW (Min.) | ØRFD | RFH | ØFD | K | n | Ød | ØHW | H |
|--------------------------|--------------|-----------|-------------------|-------------|------------|------------|----------|----------|-----------|------------|----------|
| 125 | 400 | 33.4 | 127 | 185.7 | 2 | 280 | 235 | 8 | 7/8" | 400 | 460 |
| 150 | 444 | 35 | 152 | 215.9 | 2 | 320 | 269.9 | 12 | 7/8" | 450 | 490 |
| 200 | 559 | 39.7 | 203 | 269.9 | 2 | 380 | 330.2 | 12 | 1" | 500 | 530 |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



AV-289A (CF8M) C.S.S. Globe Valve, Class-300

Features

Bolted Bonnet, O/S & Yoke Type, Rising Stem, Renewable Seat, Solid or Flexible Wedge, SS 316 Trim
 Flanges as per ASME B16.5, Class-300 RF (Drilled)
 Product Standard: BS-1873

Test Pressure

Body : 76 Bar (Hyd.)
 Seat : 55 Bar (Hyd.)
 Testing Standard: BSEN-12266 Part-1

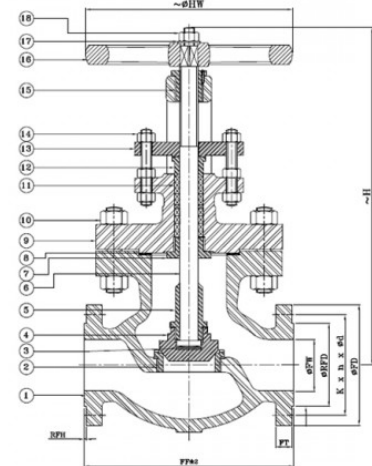
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------------|---|---|
| 1 | Body | C.S.S | ASTM A351 Gr. CF8M |
| 2 | Body Seat Ring | C.S.S/F.S.S. | ASTM A351Gr. CF8M/ ASTM A182 Gr. F316 |
| 3 | Thrust Plate | Hardened Steel | - |
| 4 | Disc | C.S.S./ S.S. | ASTM A351 Gr. CF8M/ ASTM A 276 TYPE 316 |
| 5 | Disc Nut | S.S. | ASTM A 276 TYPE 316 |
| 6 | Stem | S.S. | ASTM A 276 TYPE 316 |
| 7 | Back Seat Bush | S.S. | ASTM A276 TYPE 316 |
| 8 | Gasket | Spiral Wound S.S. 316 Graphoil Filler With Inner Ring | - |
| 9 | Bonnet | C.S.S. | ASTM A351 Gr. CF8M |
| 10 | Studs & Nuts | Alloy Steel/ H.T Steel | ASTM A193 Gr. B7/B8/ASTM A194 Gr. 2H/8 |
| 11 | Gland Packing | Flexible Graphite | - |
| 12 | Gland Follower | Stainless Steel | ASTM A276 TYPE 316 |
| 13 | Gland Flange | C.S.S. | ASTM A351 Gr. CF8M |
| 14 | Gland Studs & Nuts | Alloy Steel/ H.T Steel | ASTM A193 Gr. B7/B8/ASTM A194 Gr. 2H/8 |
| 15 | Yoke Bush | Al. Bronze | BSEN 1982 Gr. CC331G |
| 18 | Handwheel | M.I./ D.I. | ASTM A338/ ASTM A536 Gr. 80-55-06 |
| 17 | Washer | Carbon Steel | - |
| 18 | Nut for Handwheel | Carbon Steel | - |



Dimensional Data

| Nominal Size (mm) | FF ±2 | FT | ØFW (Min.) | ØRFD | RFH | ØFD | K | n | Ød | ØHW | H |
|-------------------|-------|------|------------|-------|-----|-----|-------|---|------|-----|-----|
| 40 | 229 | 19.1 | 38 | 73 | 2 | 155 | 114.3 | 4 | 7/8" | 215 | 310 |
| 50 | 267 | 20.7 | 51 | 92.1 | 2 | 165 | 127 | 8 | 3/4" | 215 | 320 |
| 65 | 292 | 23.9 | 64 | 104.8 | 2 | 190 | 149.2 | 8 | 7/8" | 254 | 408 |
| 80 | 318 | 27 | 76 | 127 | 2 | 210 | 168.3 | 8 | 7/8" | 254 | 415 |
| 100 | 356 | 30.2 | 102 | 157.2 | 2 | 255 | 200 | 8 | 7/8" | 350 | 430 |



| Nominal Size (mm) | FF ±2 | FT | ØFW (Min.) | ØRFD | RFH | ØFD | K | n | Ød | ØHW | H |
|--------------------------|--------------|-----------|-------------------|-------------|------------|------------|----------|----------|-----------|------------|----------|
| 125 | 400 | 33.4 | 127 | 185.7 | 2 | 280 | 235 | 8 | 7/8" | 400 | 460 |
| 150 | 444 | 35 | 152 | 215.9 | 2 | 320 | 269.9 | 12 | 7/8" | 450 | 490 |
| 200 | 559 | 39.7 | 203 | 269.9 | 2 | 380 | 330.2 | 12 | 1" | 500 | 530 |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



AV-289B (WCB) C.C.S. Globe Valve, Class-600

Features

Bolted Bonnet, O/S & Yoke Type, Rising Stem, Renewable Seat, Renewable Plug Type Disc, SS Trim
 Flanges as per ASME B16.5, Class-600 RF (Drilled)
 Product Standard: BS-1873

Test Pressure

Body : 153 Bar (Hyd.)
 Seat : 112 Bar (Hyd.)
 Testing Standard: BSEN-12266-1

Suitability

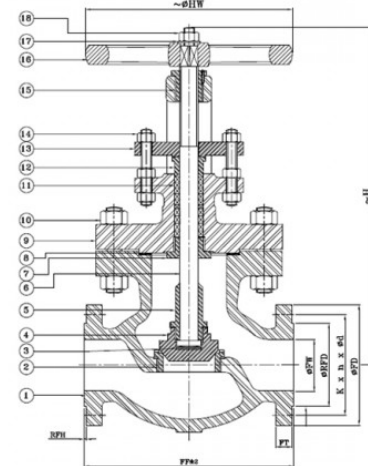
Water, Steam, Oil



Material Combination

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

NOTE : 1. This item can be supplied in WC6, WC9 material also.



Dimensional Data

| Nominal Size (mm) | FF ±2 | FT | ØFW | ØRFD | RFH | ØFD | K | n | Ød | ØHW | H |
|-------------------|-------|------|-----|-------|-----|-----|-------|---|------|-----|-----|
| 40 | 241 | 22.3 | 38 | 73 | 7 | 155 | 114.3 | 4 | 7/8" | 254 | 365 |
| 50 | 292 | 25.4 | 51 | 92.1 | 7 | 165 | 127 | 8 | 3/4" | 254 | 393 |
| 65 | 330 | 28.6 | 64 | 104.8 | 7 | 190 | 149.2 | 8 | 7/8" | 305 | 497 |
| 80 | 356 | 31.8 | 76 | 127 | 7 | 210 | 168.3 | 8 | 7/8" | 305 | 518 |



| Nominal Size (mm) | FF ±2 | FT | ØFW | ØRFD | RFH | ØFD | K | n | Ød | ØHW | H |
|-------------------|-------|------|-----|-------|-----|-----|-------|----|--------|-----|-----|
| 100 | 432 | 38.1 | 102 | 157.2 | 7 | 275 | 215.9 | 8 | 1" | 455 | 633 |
| 125 | 508 | 44.5 | 127 | 185.7 | 7 | 330 | 266.7 | 8 | 1.1/8" | 500 | 742 |
| 150 | 559 | 47.7 | 152 | 215.9 | 7 | 355 | 292.1 | 12 | 1.1/8" | 590 | 788 |
| 200 | 660 | 55.6 | 200 | 269.9 | 7 | 420 | 349.2 | 12 | 1.1/4" | 600 | 823 |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



AV-289B (CF8) C.S.S. Globe Valve, Class-600

Features

Bolted Bonnet, O/S & Yoke Type, Rising Stem, Renewable Seat, Renewable Plug Type Disc, SS 304 Trim
 Flanges as per ASME B16.5, Class-600 RF (Drilled)
 Product Standard: BS-1873

Test Pressure

Body : 153 Bar (Hyd.)
 Seat : 112 Bar (Hyd.)
 Testing Standard: BSEN-12266-1

Suitability

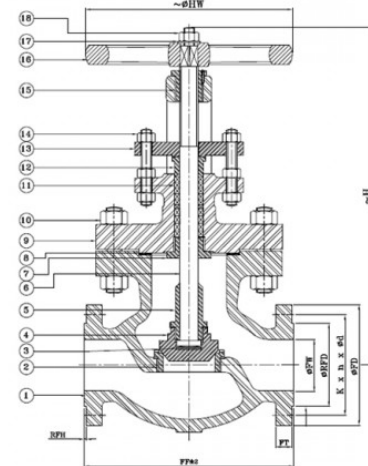
Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------------|---|--|
| 1 | Body | C.S.S | ASTM A351 Gr. CF8 |
| 2 | Body Seat Ring | C.S.S/F.S.S. | ASTM A351Gr. CF8/ ASTM A182 Gr. F304 |
| 3 | Thrust Plate | Hardened Steel | - |
| 4 | Disc | C.S.S./ S.S. | ASTM A351 Gr. CF8/ ASTM A 276 TYPE 304 |
| 5 | Disc Nut | S.S. | ASTM A 276 TYPE 304 |
| 6 | Stem | S.S. | ASTM A 276 TYPE 304 |
| 7 | Back Seat Bush | S.S. | ASTM A276 TYPE 304 |
| 8 | Gasket | Spiral Wound S.S. 304 Graphoil Filler With Inner Ring | - |
| 9 | Bonnet | C.S.S. | ASTM A351 Gr. CF8 |
| 10 | Studs & Nuts | Alloy Steel/ H.T Steel | ASTM A193 Gr. B7/B8/ASTM A194 Gr. 2H/8 |
| 11 | Gland Packing | Flexible Graphite | - |
| 12 | Gland Follower | S.S. | ASTM A276 TYPE 304 |
| 13 | Gland Flange | C.S.S. | ASTM A351 Gr. CF8 |
| 14 | Gland Studs & Nuts | Alloy Steel/ H.T Steel | ASTM A193 Gr. B7/B8/ASTM A194 Gr. 2H/8 |
| 15 | Yoke Bush | Al. Bronze | BSEN 1982 Gr. CC331G |
| 18 | Handwheel | M.I./ D.I. | ASTM A338/ ASTM A536 Gr. 80-55-06 |
| 17 | Washer | Carbon Steel | - |
| 18 | Nut for Handwheel | Carbon Steel | - |

NOTE : 1. This item can be supplied in WC6, WC9 material also.



Dimensional Data

| Nominal Size (mm) | FF ±2 | FT | ØFW | ØRFD | RFH | ØFD | K | n | Ød | ØHW | H |
|-------------------|-------|------|-----|-------|-----|-----|-------|---|------|-----|-----|
| 40 | 241 | 22.3 | 38 | 73 | 7 | 155 | 114.3 | 4 | 7/8" | 254 | 365 |
| 50 | 292 | 25.4 | 51 | 92.1 | 7 | 165 | 127 | 8 | 3/4" | 254 | 393 |
| 65 | 330 | 28.6 | 64 | 104.8 | 7 | 190 | 149.2 | 8 | 7/8" | 305 | 497 |
| 80 | 356 | 31.8 | 76 | 127 | 7 | 210 | 168.3 | 8 | 7/8" | 305 | 518 |
| 100 | 432 | 38.1 | 102 | 157.2 | 7 | 275 | 215.9 | 8 | 1" | 455 | 633 |



| Nominal Size (mm) | FF ±2 | FT | ØFW | ØRFD | RFH | ØFD | K | n | Ød | ØHW | H |
|--------------------------|--------------|-----------|------------|-------------|------------|------------|----------|----------|-----------|------------|----------|
| 125 | 508 | 44.5 | 127 | 185.7 | 7 | 330 | 266.7 | 8 | 1.1/8" | 500 | 742 |
| 150 | 559 | 47.7 | 152 | 215.9 | 7 | 355 | 292.1 | 12 | 1.1/8" | 590 | 788 |
| 200 | 660 | 55.6 | 200 | 269.9 | 7 | 420 | 349.2 | 12 | 1.1/4" | 600 | 823 |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



AV-289B (CF8M) C.S.S. Globe Valve, Class-600

Features

Bolted Bonnet, O/S & Yoke Type, Rising Stem, Renewable Seat, Renewable Plug Type Disc, SS 316 Trim
 Flanges as per ASME B16.5, Class-600 RF (Drilled)
 Product Standard: BS-1873

Test Pressure

Body : 153 Bar (Hyd.)
 Seat : 112 Bar (Hyd.)
 Testing Standard: BSEN-12266-1

Suitability

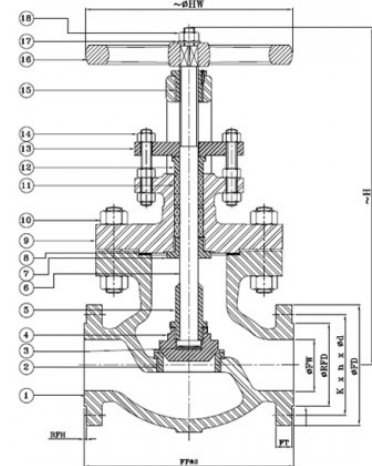
Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------------|---|---|
| 1 | Body | C.S.S | ASTM A351 Gr. CF8M |
| 2 | Body Seat Ring | C.S.S/F.S.S. | ASTM A351Gr. CF8M/ ASTM A182 Gr. F316 |
| 3 | Thrust Plate | Hardened Steel | - |
| 4 | Disc | C.S.S./ S.S. | ASTM A351 Gr. CF8M/ ASTM A 276 TYPE 316 |
| 5 | Disc Nut | S.S. | ASTM A 276 TYPE 316 |
| 6 | Stem | S.S. | ASTM A 276 TYPE 316 |
| 7 | Back Seat Bush | S.S. | ASTM A276 TYPE 316 |
| 8 | Gasket | Spiral Wound S.S. 316 Graphoil Filler With Inner Ring | - |
| 9 | Bonnet | C.S.S. | ASTM A351 Gr. CF8M |
| 10 | Studs & Nuts | Alloy Steel/ H.T Steel | ASTM A193 Gr. B7/B8/ASTM A194 Gr. 2H/8 |
| 11 | Gland Packing | Flexible Graphite | - |
| 12 | Gland Follower | S.S. | ASTM A276 TYPE 316 |
| 13 | Gland Flange | C.S.S. | ASTM A351 Gr. CF8M |
| 14 | Gland Studs & Nuts | Alloy Steel/ H.T Steel | ASTM A193 Gr. B7/B8/ASTM A194 Gr. 2H/8 |
| 15 | Yoke Bush | Al. Bronze | BSEN 1982 Gr. CC331G |
| 18 | Handwheel | M.I./ D.I. | ASTM A338/ ASTM A536 Gr. 80-55-06 |
| 17 | Washer | Carbon Steel | - |
| 18 | Nut for Handwheel | Carbon Steel | - |

NOTE : 1. This item can be supplied in WC6, WC9 material also.



Dimensional Data

| Nominal Size (mm) | FF ±2 | FT | ØFW | ØRFD | RFH | ØFD | K | n | Ød | ØHW | H |
|-------------------|-------|------|-----|-------|-----|-----|-------|---|------|-----|-----|
| 40 | 241 | 22.3 | 38 | 73 | 7 | 155 | 114.3 | 4 | 7/8" | 254 | 365 |
| 50 | 292 | 25.4 | 51 | 92.1 | 7 | 165 | 127 | 8 | 3/4" | 254 | 393 |
| 65 | 330 | 28.6 | 64 | 104.8 | 7 | 190 | 149.2 | 8 | 7/8" | 305 | 497 |
| 80 | 356 | 31.8 | 76 | 127 | 7 | 210 | 168.3 | 8 | 7/8" | 305 | 518 |
| 100 | 432 | 38.1 | 102 | 157.2 | 7 | 275 | 215.9 | 8 | 1" | 455 | 633 |



| Nominal Size (mm) | FF ±2 | FT | ØFW | ØRFD | RFH | ØFD | K | n | Ød | ØHW | H |
|-------------------|-------|------|-----|-------|-----|-----|-------|----|--------|-----|-----|
| 125 | 508 | 44.5 | 127 | 185.7 | 7 | 330 | 266.7 | 8 | 1.1/8" | 500 | 742 |
| 150 | 559 | 47.7 | 152 | 215.9 | 7 | 355 | 292.1 | 12 | 1.1/8" | 590 | 788 |
| 200 | 660 | 55.6 | 200 | 269.9 | 7 | 420 | 349.2 | 12 | 1.1/4" | 600 | 823 |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



AV-290 (WCB) C.C.S. Swing Check Valve, Class- 150

Features

Bolted Cover, Renewable Seat, SS Trim
 Flanges as per ASME B16.5, Class-150 RF (Drilled)
 Product Standard: BS-1868

Test Pressure

Body : 30 Bar (Hyd.)
 Seat : 22 Bar (Hyd.)
 Testing Standard : BSEN-12266-1

Suitability

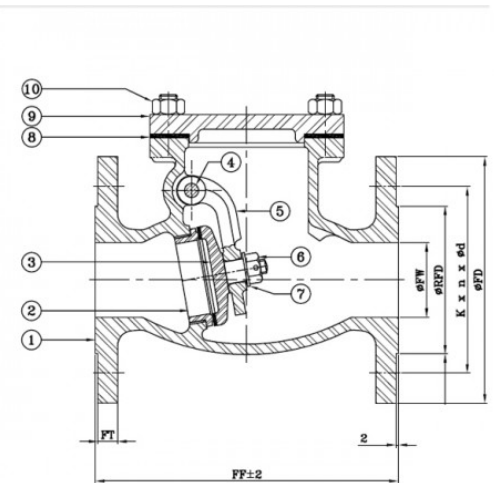
Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|----------------|---|---|
| 1 | Body | C.C.S | ASTM A216 Gr. WCB |
| 2 | Body Seat Ring | S.S./ F.S.S./ C.C.S. | ASTM A276 TYPE 410/ ASTM A182 Gr. F6a/ ASTM A216 Gr. WCB + 13% Cr. Welded Deposit |
| 3 | Disc | C.C.S. | ASTM A216 Gr. WCB + 13% Cr. Welded Deposit |
| 4 | Hinge Pin | S.S. | ASTM A276 TYPE 410 |
| 5 | Hinge | C.C.S. | ASTM A216 Gr. WCB |
| 6 | Nut | S.S. | AISI-410 |
| 7 | Washer | Carbon Steel | - |
| 8 | Gasket | Spiral Wound S.S. 304 with Graphite Filler Inner Ring | - |
| 9 | Cover | C.C.S. | ASTM A216 Gr. WCB |
| 10 | Stud & Nuts | Alloy Steel/ H.T. Steel | ASTM A193 Gr. B7/ ASTM A194 Gr. 2H |

NOTE : 1. This item can be supplied in WC6, WC9 material also.



Dimensional Data

| Nominal Size (mm) | FF | ØFW | FT | ØRFD | ØFD | K | n | Ød |
|-------------------|---------|-----|------|-------|-----|-------|----|--------|
| 40 | 165 ±2 | 38 | 12.7 | 73 | 125 | 98.4 | 4 | 5/8" |
| 50 | 203 ±2 | 51 | 14.3 | 92.1 | 150 | 120.7 | 4 | 3/4" |
| 65 | 216 ±2 | 64 | 15.9 | 104.8 | 180 | 139.7 | 4 | 3/4" |
| 80 | 241 ±2 | 76 | 17.5 | 127 | 190 | 152.4 | 4 | 3/4" |
| 100 | 292 ±2 | 102 | 22.3 | 157.2 | 230 | 190.5 | 8 | 3/4" |
| 125 | 330 ±2 | 127 | 22.3 | 185.7 | 255 | 215.9 | 8 | 7/8" |
| 150 | 356 ±2 | 152 | 23.9 | 215.9 | 280 | 241.3 | 8 | 7/8" |
| 200 | 495 ±2 | 203 | 27 | 269.9 | 345 | 298.5 | 8 | 7/8" |
| 250 | 622 ±2 | 254 | 28.6 | 323.8 | 405 | 362 | 12 | 1" |
| 300 | 698 ±3 | 305 | 30.2 | 381 | 485 | 431.8 | 12 | 1" |
| 350 | 787 ±3 | 337 | 33.4 | 412.8 | 535 | 476.3 | 12 | 1.1/8" |
| 400 | 864 ±3 | 387 | 35 | 469.9 | 595 | 539.8 | 16 | 1.1/8" |
| 450 | 978 ±3 | 438 | 38.1 | 533.4 | 635 | 577.9 | 16 | 1.1/4" |
| 500 | 978 ±3 | 489 | 41.3 | 584.2 | 700 | 635 | 20 | 1.1/4" |
| 600 | 1295 ±3 | 591 | 46.1 | 692.1 | 815 | 749.3 | 20 | 1.3/8" |



k - P.C.D; n - Number of Holes; \varnothing d - Diameter of Holes



AV-290 (CF8) C.S.S. Swing Check Valve, Class-150

Features

Bolted Cover, Renewable Seat, SS 304 Trim
 Flanges as per ASME B16.5, Class-150 RF (Drilled)
 Product Standard: BS-1868

Test Pressure

Body : 30 Bar (Hyd.)
 Seat : 22 Bar (Hyd.)
 Testing Standard : BSEN-12266-1

Suitability

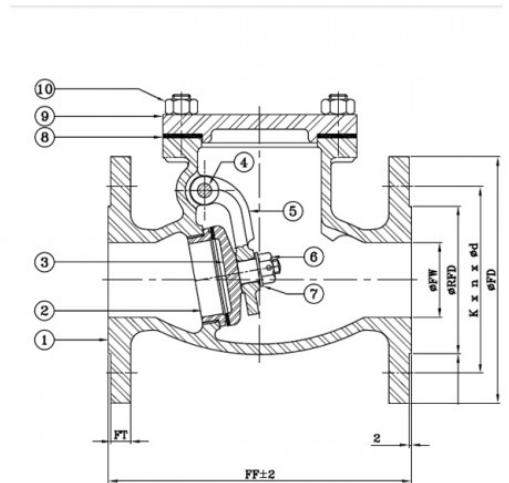
Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|----------------|---|---|
| 1 | Body | C.S.S | ASTM A351 Gr. CF8 |
| 2 | Body Seat Ring | S.S./ F.S.S./ C.S.S. | ASTM A276 TYPE 304/ ASTM A182 Gr. F304/ ASTM A351 Gr. CF8 |
| 3 | Disc | C.S.S. | ASTM A351 Gr. CF8 |
| 4 | Hinge Pin | S.S. | ASTM A276 TYPE 304 |
| 5 | Hinge | C.S.S. | ASTM A351 Gr. CF8 |
| 6 | Nut | S.S. | AISI-304 |
| 7 | Washer | Carbon Steel | - |
| 8 | Gasket | Spiral Wound S.S. 304 with Graphite Filler Inner Ring | - |
| 9 | Cover | C.S.S. | ASTM A351 Gr. CF8 |
| 10 | Stud & Nuts | Alloy Steel/ H.T. Steel | ASTM A193 Gr. B7/B8/ ASTM A194 Gr. 2H/8 |

NOTE : 1. This item can be supplied in WC6, WC9 material also.



Dimensional Data

| Nominal Size (mm) | FF | ØFW | FT | ØRFD | ØFD | K | n | Ød |
|-------------------|---------|-----|------|-------|-----|-------|----|--------|
| 40 | 165 ±2 | 38 | 12.7 | 73 | 125 | 98.4 | 4 | 5/8" |
| 50 | 203 ±2 | 51 | 14.3 | 92.1 | 150 | 120.7 | 4 | 3/4" |
| 65 | 216 ±2 | 64 | 15.9 | 104.8 | 180 | 139.7 | 4 | 3/4" |
| 80 | 241 ±2 | 76 | 17.5 | 127 | 190 | 152.4 | 4 | 3/4" |
| 100 | 292 ±2 | 102 | 22.3 | 157.2 | 230 | 190.5 | 8 | 3/4" |
| 125 | 330 ±2 | 127 | 22.3 | 185.7 | 255 | 215.9 | 8 | 7/8" |
| 150 | 356 ±2 | 152 | 23.9 | 215.9 | 280 | 241.3 | 8 | 7/8" |
| 200 | 495 ±2 | 203 | 27 | 269.9 | 345 | 298.5 | 8 | 7/8" |
| 250 | 622 ±2 | 254 | 28.6 | 323.8 | 405 | 362 | 12 | 1" |
| 300 | 698 ±3 | 305 | 30.2 | 381 | 485 | 431.8 | 12 | 1" |
| 350 | 787 ±3 | 337 | 33.4 | 412.8 | 535 | 476.3 | 12 | 1.1/8" |
| 400 | 864 ±3 | 387 | 35 | 469.9 | 595 | 539.8 | 16 | 1.1/8" |
| 450 | 978 ±3 | 438 | 38.1 | 533.4 | 635 | 577.9 | 16 | 1.1/4" |
| 500 | 978 ±3 | 489 | 41.3 | 584.2 | 700 | 635 | 20 | 1.1/4" |
| 600 | 1295 ±3 | 591 | 46.1 | 692.1 | 815 | 749.3 | 20 | 1.3/8" |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes

Atam Valves Private Limited

Dealer:TUBES & VALVES
 MFG COChennai Ph:- +91
 80120 11666



AV-290 (CF8M) C.S.S. Swing Check Valve, Class-150

Features

Bolted Cover, Renewable Seat, SS 316 Trim
 Flanges as per ASME B16.5, Class-150 RF (Drilled)
 Product Standard: BS-1868

Test Pressure

Body : 30 Bar (Hyd.)
 Seat : 22 Bar (Hyd.)
 Testing Standard : BSEN-12266-1

Suitability

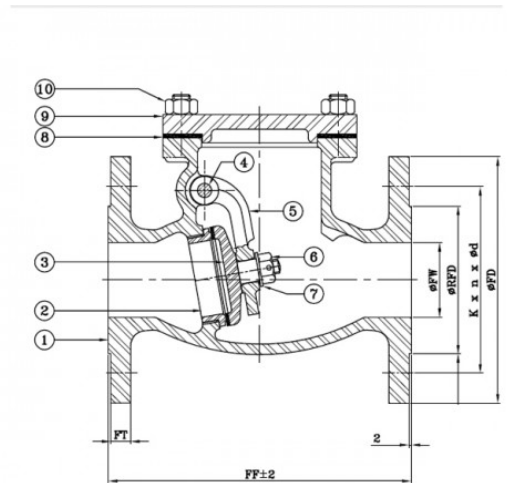
Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|----------------|---|--|
| 1 | Body | C.S.S | ASTM A351 Gr. CF8M |
| 2 | Body Seat Ring | S.S./ F.S.S./ C.S.S. | ASTM A276 TYPE 316/ ASTM A182 Gr. F316/ ASTM A351 Gr. CF8M |
| 3 | Disc | C.S.S. | ASTM A351 Gr. CF8M |
| 4 | Hinge Pin | S.S. | ASTM A276 TYPE 316 |
| 5 | Hinge | C.S.S. | ASTM A351 Gr. CF8M |
| 6 | Nut | S.S. | AISI-316 |
| 7 | Washer | Carbon Steel | - |
| 8 | Gasket | Spiral Wound S.S. 316 with Graphite Filler Inner Ring | - |
| 9 | Cover | C.S.S. | ASTM A351 Gr. CF8M |
| 10 | Stud & Nuts | Alloy Steel/ H.T. Steel | ASTM A193 Gr. B7/B8/ ASTM A194 Gr. 2H/8 |

NOTE : 1. This item can be supplied in WC6, WC9 material also.



Dimensional Data

| Nominal Size (mm) | FF | ØFW | FT | ØRFD | ØFD | K | n | Ød |
|-------------------|---------|-----|------|-------|-----|-------|----|--------|
| 40 | 165 ±2 | 38 | 12.7 | 73 | 125 | 98.4 | 4 | 5/8" |
| 50 | 203 ±2 | 51 | 14.3 | 92.1 | 150 | 120.7 | 4 | 3/4" |
| 65 | 216 ±2 | 64 | 15.9 | 104.8 | 180 | 139.7 | 4 | 3/4" |
| 80 | 241 ±2 | 76 | 17.5 | 127 | 190 | 152.4 | 4 | 3/4" |
| 100 | 292 ±2 | 102 | 22.3 | 157.2 | 230 | 190.5 | 8 | 3/4" |
| 125 | 330 ±2 | 127 | 22.3 | 185.7 | 255 | 215.9 | 8 | 7/8" |
| 150 | 356 ±2 | 152 | 23.9 | 215.9 | 280 | 241.3 | 8 | 7/8" |
| 200 | 495 ±2 | 203 | 27 | 269.9 | 345 | 298.5 | 8 | 7/8" |
| 250 | 622 ±2 | 254 | 28.6 | 323.8 | 405 | 362 | 12 | 1" |
| 300 | 698 ±3 | 305 | 30.2 | 381 | 485 | 431.8 | 12 | 1" |
| 350 | 787 ±3 | 337 | 33.4 | 412.8 | 535 | 476.3 | 12 | 1.1/8" |
| 400 | 864 ±3 | 387 | 35 | 469.9 | 595 | 539.8 | 16 | 1.1/8" |
| 450 | 978 ±3 | 438 | 38.1 | 533.4 | 635 | 577.9 | 16 | 1.1/4" |
| 500 | 978 ±3 | 489 | 41.3 | 584.2 | 700 | 635 | 20 | 1.1/4" |
| 600 | 1295 ±3 | 591 | 46.1 | 692.1 | 815 | 749.3 | 20 | 1.3/8" |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes

Atam Valves Private Limited

Dealer: TUBES & VALVES
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AV-290A (WCB) C.C.S. Swing Check Valve, Class-300

Features

Bolted Cover, Renewable Seat, SS Trim
 Flanges as per ASME B16.5, Class-300 RF (Drilled)
 Product Standard: BS-1868

Test Pressure

Body : 76 Bar (Hyd.)
 Seat : 56 Bar (Hyd.)
 Testing Standard : BSEN-12266-1

Suitability

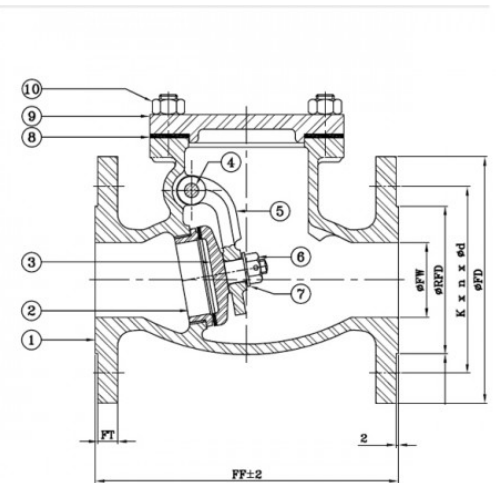
Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|----------------|---|---|
| 1 | Body | C.C.S | ASTM A216 Gr. WCB |
| 2 | Body Seat Ring | S.S./ F.S.S./ C.C.S. | ASTM A276 TYPE 410/ ASTM A182 Gr. F6a/ ASTM A216 Gr. WCB + 13% Cr. Welded Deposit |
| 3 | Disc | C.C.S. | ASTM A216 Gr. WCB + 13% Cr. Welded Deposit |
| 4 | Hinge Pin | S.S. | ASTM A276 TYPE 410 |
| 5 | Hinge | C.C.S. | ASTM A216 Gr. WCB |
| 6 | Nut | S.S. | AISI-410 |
| 7 | Washer | Carbon Steel | - |
| 8 | Gasket | Spiral Wound S.S. 304 with Graphite Filler Inner Ring | - |
| 9 | Cover | C.C.S. | ASTM A216 Gr. WCB |
| 10 | Stud & Nuts | Alloy Steel/ H.T. Steel | ASTM A193 Gr. B7/ ASTM A194 Gr. 2H |

NOTE : 1. This item can be supplied in WC6, WC9 material also.



Dimensional Data

| Nominal Size (mm) | FF | ØFW | ØRFD | ØFD | FT | K | n | Ød |
|-------------------|---------|-----|-------|-----|------|-------|----|--------|
| 40 | 241 ±2 | 38 | 73 | 155 | 19.1 | 114.3 | 4 | 7/8" |
| 50 | 267 ±2 | 51 | 92.1 | 165 | 20.7 | 127 | 8 | 3/4" |
| 65 | 292 ±2 | 64 | 104.8 | 190 | 23.9 | 149.2 | 8 | 7/8" |
| 80 | 318 ±2 | 76 | 127 | 210 | 27 | 168.3 | 8 | 7/8" |
| 100 | 356 ±2 | 102 | 157.2 | 255 | 30.2 | 200 | 8 | 7/8" |
| 125 | 400 ±2 | 127 | 185.7 | 280 | 33.4 | 235 | 8 | 7/8" |
| 150 | 444 ±2 | 152 | 215.9 | 320 | 35 | 269.9 | 12 | 7/8" |
| 200 | 533 ±2 | 203 | 269.9 | 380 | 39.7 | 330.2 | 12 | 1" |
| 250 | 622 ±2 | 254 | 323.8 | 445 | 46.1 | 387.4 | 16 | 1.1/8" |
| 300 | 711 ±3 | 305 | 381 | 520 | 49.3 | 450.8 | 16 | 1.1/4" |
| 350 | 838 ±3 | 337 | 412.8 | 585 | 52.4 | 514.4 | 20 | 1.1/4" |
| 400 | 864 ±3 | 387 | 469.9 | 650 | 55.6 | 571.5 | 20 | 1.3/8" |
| 450 | 978 ±3 | 432 | 533.4 | 710 | 58.8 | 628.6 | 24 | 1.3/8" |
| 500 | 1016 ±3 | 483 | 584.2 | 775 | 62 | 685.8 | 24 | 1.3/8" |
| 600 | 1346 ±3 | 584 | 692.2 | 915 | 68.3 | 812.8 | 24 | 1.5/8" |



k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



AV-290A (CF8) C.S.S. Swing Check Valve, Class-300

Features

Bolted Cover, Renewable Seat, SS 304 Trim
 Flanges as per ASME B16.5, Class-300 RF (Drilled)
 Product Standard: BS-1868

Test Pressure

Body : 76 Bar (Hyd.)
 Seat : 55 Bar (Hyd.)
 Testing Standard : BSEN-12266-1

Suitability

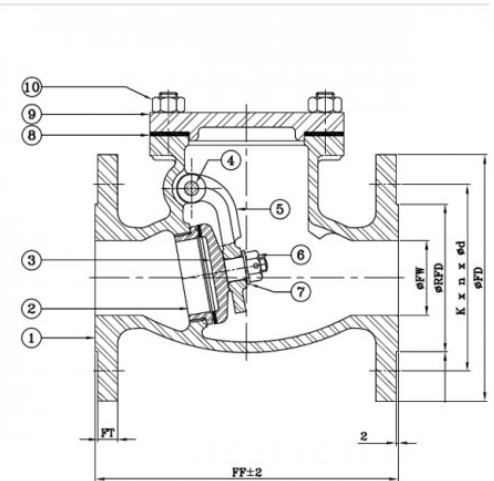
Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|----------------|---|---|
| 1 | Body | C.S.S | ASTM A351 Gr. CF8 |
| 2 | Body Seat Ring | S.S./ F.S.S./ C.S.S. | ASTM A276 TYPE 304/ ASTM A182 Gr. F304/ ASTM A351 Gr. CF8 |
| 3 | Disc | C.S.S. | ASTM A351 Gr. CF8 |
| 4 | Hinge Pin | S.S. | ASTM A276 TYPE 304 |
| 5 | Hinge | C.S.S. | ASTM A351 Gr. CF8 |
| 6 | Nut | S.S. | AISI-304 |
| 7 | Washer | Carbon Steel | - |
| 8 | Gasket | Spiral Wound S.S. 304 with Graphite Filler Inner Ring | - |
| 9 | Cover | C.S.S. | ASTM A351 Gr. CF8 |
| 10 | Stud & Nuts | Alloy Steel/ H.T. Steel | ASTM A193 Gr. B7/B8/ ASTM A194 Gr. 2H/8 |

NOTE : 1. This item can be supplied in WC6, WC9 material also.



Dimensional Data

| Nominal Size (mm) | FF | ØFW | ØRFD | ØFD | FT | K | n | Ød |
|-------------------|---------|-----|-------|-----|------|-------|----|--------|
| 40 | 241 ±2 | 38 | 73 | 155 | 19.1 | 114.3 | 4 | 7/8" |
| 50 | 267 ±2 | 51 | 92.1 | 165 | 20.7 | 127 | 8 | 3/4" |
| 65 | 292 ±2 | 64 | 104.8 | 190 | 23.9 | 149.2 | 8 | 7/8" |
| 80 | 318 ±2 | 76 | 127 | 210 | 27 | 168.3 | 8 | 7/8" |
| 100 | 356 ±2 | 102 | 157.2 | 255 | 30.2 | 200 | 8 | 7/8" |
| 125 | 400 ±2 | 127 | 185.7 | 280 | 33.4 | 235 | 8 | 7/8" |
| 150 | 444 ±2 | 152 | 215.9 | 320 | 35 | 269.9 | 12 | 7/8" |
| 200 | 533 ±2 | 203 | 269.9 | 380 | 39.7 | 330.2 | 12 | 1" |
| 250 | 622 ±2 | 254 | 323.8 | 445 | 46.1 | 387.4 | 16 | 1.1/8" |
| 300 | 711 ±3 | 305 | 381 | 520 | 49.3 | 450.8 | 16 | 1.1/4" |
| 350 | 838 ±3 | 337 | 412.8 | 585 | 52.4 | 514.4 | 20 | 1.1/4" |
| 400 | 864 ±3 | 387 | 469.9 | 650 | 55.6 | 571.5 | 20 | 1.3/8" |
| 450 | 978 ±3 | 432 | 533.4 | 710 | 58.8 | 628.6 | 24 | 1.3/8" |
| 500 | 1016 ±3 | 483 | 584.2 | 775 | 62 | 685.8 | 24 | 1.3/8" |
| 600 | 1346 ±3 | 584 | 692.2 | 915 | 68.3 | 812.8 | 24 | 1.5/8" |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



AV-290A (CF8M) C.S.S. Swing Check Valve, Class-300

Features

Bolted Cover, Renewable Seat, SS 316 Trim
 Flanges as per ASME B16.5, Class-300 RF (Drilled)
 Product Standard: BS-1868

Test Pressure

Body : 76 Bar (Hyd.)
 Seat : 55 Bar (Hyd.)
 Testing Standard : BSEN-12266-1

Suitability

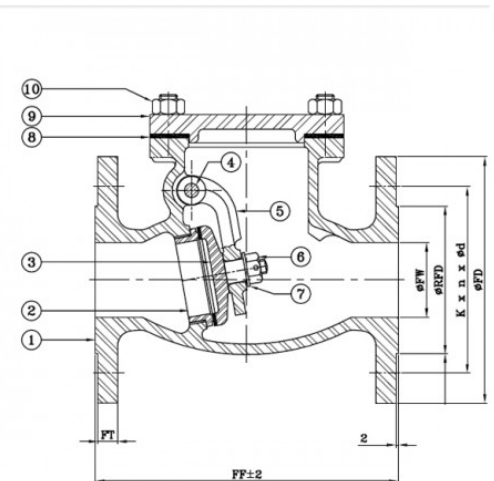
Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|----------------|---|--|
| 1 | Body | C.S.S | ASTM A351 Gr. CF8M |
| 2 | Body Seat Ring | S.S./ F.S.S./ C.S.S. | ASTM A276 TYPE 316/ ASTM A182 Gr. F316/ ASTM A351 Gr. CF8M |
| 3 | Disc | C.S.S. | ASTM A351 Gr. CF8M |
| 4 | Hinge Pin | S.S. | ASTM A276 TYPE 316 |
| 5 | Hinge | C.S.S. | ASTM A351 Gr. CF8M |
| 6 | Nut | S.S. | AISI-316 |
| 7 | Washer | Carbon Steel | - |
| 8 | Gasket | Spiral Wound S.S. 316 with Graphite Filler Inner Ring | - |
| 9 | Cover | C.S.S. | ASTM A351 Gr. CF8M |
| 10 | Stud & Nuts | Alloy Steel/ H.T. Steel | ASTM A193 Gr. B7/B8/ ASTM A194 Gr. 2H/8 |

NOTE : 1. This item can be supplied in WC6, WC9 material also.



Dimensional Data

| Nominal Size (mm) | FF | ØFW | ØRFD | ØFD | FT | K | n | Ød |
|-------------------|---------|-----|-------|-----|------|-------|----|--------|
| 40 | 241 ±2 | 38 | 73 | 155 | 19.1 | 114.3 | 4 | 7/8" |
| 50 | 267 ±2 | 51 | 92.1 | 165 | 20.7 | 127 | 8 | 3/4" |
| 65 | 292 ±2 | 64 | 104.8 | 190 | 23.9 | 149.2 | 8 | 7/8" |
| 80 | 318 ±2 | 76 | 127 | 210 | 27 | 168.3 | 8 | 7/8" |
| 100 | 356 ±2 | 102 | 157.2 | 255 | 30.2 | 200 | 8 | 7/8" |
| 125 | 400 ±2 | 127 | 185.7 | 280 | 33.4 | 235 | 8 | 7/8" |
| 150 | 444 ±2 | 152 | 215.9 | 320 | 35 | 269.9 | 12 | 7/8" |
| 200 | 533 ±2 | 203 | 269.9 | 380 | 39.7 | 330.2 | 12 | 1" |
| 250 | 622 ±2 | 254 | 323.8 | 445 | 46.1 | 387.4 | 16 | 1.1/8" |
| 300 | 711 ±3 | 305 | 381 | 520 | 49.3 | 450.8 | 16 | 1.1/4" |
| 350 | 838 ±3 | 337 | 412.8 | 585 | 52.4 | 514.4 | 20 | 1.1/4" |
| 400 | 864 ±3 | 387 | 469.9 | 650 | 55.6 | 571.5 | 20 | 1.3/8" |
| 450 | 978 ±3 | 432 | 533.4 | 710 | 58.8 | 628.6 | 24 | 1.3/8" |
| 500 | 1016 ±3 | 483 | 584.2 | 775 | 62 | 685.8 | 24 | 1.3/8" |
| 600 | 1346 ±3 | 584 | 692.2 | 915 | 68.3 | 812.8 | 24 | 1.5/8" |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes

Atam Valves Private Limited

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AV-290B (WCB) C.C.S. Swing Check Valve, Class-600

Features

Bolted Cover, Renewable Seat, SS Trim
 Flanges as per ASME B16.5, Class-600 RF (Drilled)
 Product Standard: BS-1868

Test Pressure

Body : 153 Bar (Hyd.)
 Seat : 112 Bar (Hyd.)
 Testing Standard : BSEN-12266-1

Suitability

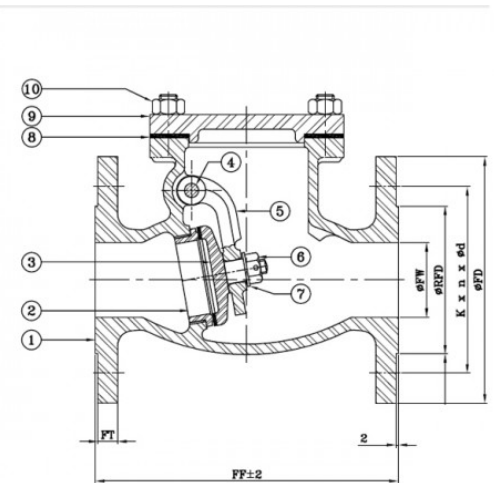
Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|----------------|---|---|
| 1 | Body | C.C.S | ASTM A216 Gr. WCB |
| 2 | Body Seat Ring | S.S./ F.S.S./ C.C.S. | ASTM A276 TYPE 410/ ASTM A182 Gr. F6a/ ASTM A216 Gr. WCB + 13% Cr. Welded Deposit |
| 3 | Disc | C.C.S. | ASTM A216 Gr. WCB + 13% Cr. Welded Deposit |
| 4 | Hinge Pin | S.S. | ASTM A276 TYPE 410 |
| 5 | Hinge | C.C.S. | ASTM A216 Gr. WCB |
| 6 | Nut | S.S. | AISI-410 |
| 7 | Washer | Carbon Steel | - |
| 8 | Gasket | Spiral Wound S.S. 304 with Graphite Filler Inner Ring | - |
| 9 | Cover | C.C.S. | ASTM A216 Gr. WCB |
| 10 | Stud & Nuts | Alloy Steel/ H.T. Steel | ASTM A193 Gr. B7/ ASTM A194 Gr. 2H |

NOTE : 1. This item can be supplied in WC6, WC9 material also.



Dimensional Data

| Nominal Size (mm) | FF ±2 | ØFW | ØFD | ØRFD | FT | k | n | Ød |
|-------------------|-------|-----|-----|-------|------|-------|----|--------|
| 40 | 241 | 38 | 155 | 73 | 22.3 | 114.3 | 4 | 7/8" |
| 50 | 292 | 51 | 165 | 92.1 | 25.4 | 127 | 8 | 3/4" |
| 65 | 330 | 64 | 190 | 104.8 | 28.6 | 149.2 | 8 | 7/8" |
| 80 | 356 | 76 | 210 | 127 | 31.8 | 168.3 | 8 | 7/8" |
| 100 | 432 | 102 | 275 | 157.2 | 38.1 | 215.9 | 8 | 1" |
| 125 | 508 | 127 | 330 | 185.7 | 44.5 | 266.7 | 8 | 1.1/8" |
| 150 | 559 | 152 | 355 | 215.9 | 47.7 | 292.1 | 12 | 1.1/8" |
| 200 | 660 | 200 | 420 | 269.9 | 55.6 | 349.2 | 12 | 1.1/4" |
| 250 | 787 | 248 | 510 | 323.8 | 63.5 | 431.8 | 16 | 1.3/8" |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



AV-290B (CF8) C.S.S. Swing Check Valve, Class-600

Features

Bolted Cover, Renewable Seat, SS 304 Trim
 Flanges as per ASME B16.5, Class-600 RF (Drilled)
 Product Standard: BS-1868

Test Pressure

Body : 153 Bar (Hyd.)
 Seat : 112 Bar (Hyd.)
 Testing Standard : BSEN-12266-1

Suitability

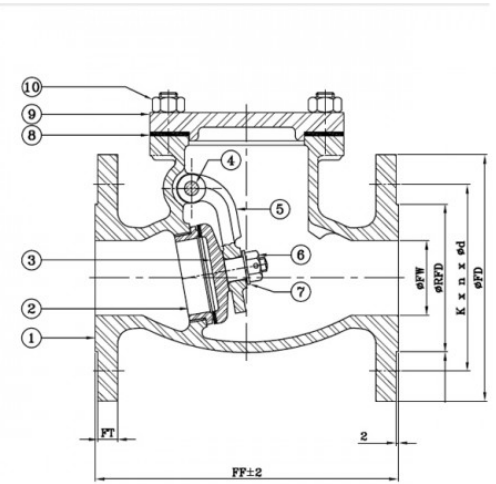
Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|----------------|---|---|
| 1 | Body | C.S.S | ASTM A351 Gr. CF8 |
| 2 | Body Seat Ring | S.S./ F.S.S./ C.S.S. | ASTM A276 TYPE 304/ ASTM A182 Gr. F304/ ASTM A351 Gr. CF8 |
| 3 | Disc | C.S.S. | ASTM A351 Gr. CF8 |
| 4 | Hinge Pin | S.S. | ASTM A276 TYPE 304 |
| 5 | Hinge | C.S.S. | ASTM A351 Gr. CF8 |
| 6 | Nut | S.S. | AISI-304 |
| 7 | Washer | Carbon Steel | - |
| 8 | Gasket | Spiral Wound S.S. 304 with Graphite Filler Inner Ring | - |
| 9 | Cover | C.S.S. | ASTM A351 Gr. CF8 |
| 10 | Stud & Nuts | Alloy Steel/ H.T. Steel | ASTM A193 Gr. B7/B8/ ASTM A194 Gr. 2H/8 |

NOTE : 1. This item can be supplied in WC6, WC9 material also.



Dimensional Data

| Nominal Size (mm) | FF ±2 | ØFW | ØFD | ØRFD | FT | k | n | Ød |
|-------------------|-------|-----|-----|-------|------|-------|----|--------|
| 40 | 241 | 38 | 155 | 73 | 22.3 | 114.3 | 4 | 7/8" |
| 50 | 292 | 51 | 165 | 92.1 | 25.4 | 127 | 8 | 3/4" |
| 65 | 330 | 64 | 190 | 104.8 | 28.6 | 149.2 | 8 | 7/8" |
| 80 | 356 | 76 | 210 | 127 | 31.8 | 168.3 | 8 | 7/8" |
| 100 | 432 | 102 | 275 | 157.2 | 38.1 | 215.9 | 8 | 1" |
| 125 | 508 | 127 | 330 | 185.7 | 44.5 | 266.7 | 8 | 1.1/8" |
| 150 | 559 | 152 | 355 | 215.9 | 47.7 | 292.1 | 12 | 1.1/8" |
| 200 | 660 | 200 | 420 | 269.9 | 55.6 | 349.2 | 12 | 1.1/4" |
| 250 | 787 | 248 | 510 | 323.8 | 63.5 | 431.8 | 16 | 1.3/8" |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



AV-290B (CF8M) C.S.S. Swing Check Valve, Class-600

Features

Bolted Cover, Renewable Seat, SS 316 Trim
 Flanges as per ASME B16.5, Class-600 RF (Drilled)
 Product Standard: BS-1868

Test Pressure

Body : 153 Bar (Hyd.)
 Seat : 112 Bar (Hyd.)
 Testing Standard : BSEN-12266-1

Suitability

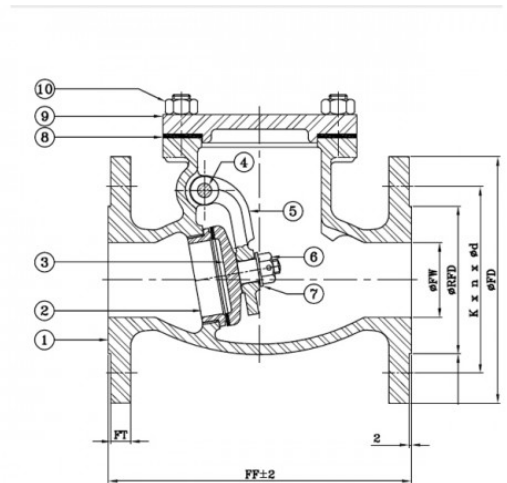
Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|----------------|---|--|
| 1 | Body | C.S.S | ASTM A351 Gr. CF8M |
| 2 | Body Seat Ring | S.S./ F.S.S./ C.S.S. | ASTM A276 TYPE 316/ ASTM A182 Gr. F316/ ASTM A351 Gr. CF8M |
| 3 | Disc | C.S.S. | ASTM A351 Gr. CF8M |
| 4 | Hinge Pin | S.S. | ASTM A276 TYPE 316 |
| 5 | Hinge | C.S.S. | ASTM A351 Gr. CF8M |
| 6 | Nut | S.S. | AISI-316 |
| 7 | Washer | Carbon Steel | - |
| 8 | Gasket | Spiral Wound S.S. 316 with Graphite Filler Inner Ring | - |
| 9 | Cover | C.S.S. | ASTM A351 Gr. CF8M |
| 10 | Stud & Nuts | Alloy Steel/ H.T. Steel | ASTM A193 Gr. B7/B8/ ASTM A194 Gr. 2H/8 |

NOTE : 1. This item can be supplied in WC6, WC9 material also.



Dimensional Data

| Nominal Size (mm) | FF ±2 | ØFW | ØFD | ØRFD | FT | k | n | Ød |
|-------------------|-------|-----|-----|-------|------|-------|----|--------|
| 40 | 241 | 38 | 155 | 73 | 22.3 | 114.3 | 4 | 7/8" |
| 50 | 292 | 51 | 165 | 92.1 | 25.4 | 127 | 8 | 3/4" |
| 65 | 330 | 64 | 190 | 104.8 | 28.6 | 149.2 | 8 | 7/8" |
| 80 | 356 | 76 | 210 | 127 | 31.8 | 168.3 | 8 | 7/8" |
| 100 | 432 | 102 | 275 | 157.2 | 38.1 | 215.9 | 8 | 1" |
| 125 | 508 | 127 | 330 | 185.7 | 44.5 | 266.7 | 8 | 1.1/8" |
| 150 | 559 | 152 | 355 | 215.9 | 47.7 | 292.1 | 12 | 1.1/8" |
| 200 | 660 | 200 | 420 | 269.9 | 55.6 | 349.2 | 12 | 1.1/4" |
| 250 | 787 | 248 | 510 | 323.8 | 63.5 | 431.8 | 16 | 1.3/8" |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



AV-300 Forged Stainless Steel Thermo Dynamic Steam Trap

Features

Thermodynamic Type with in-built Strainer, SS Trim
Screwed Female BSP Taper Threads (BS-21) or Socket Welded End as per ASME B16.11

Test Pressure

Body : 900 Psi g (Hyd.)
Max. steam working pressure : 450 Psi g

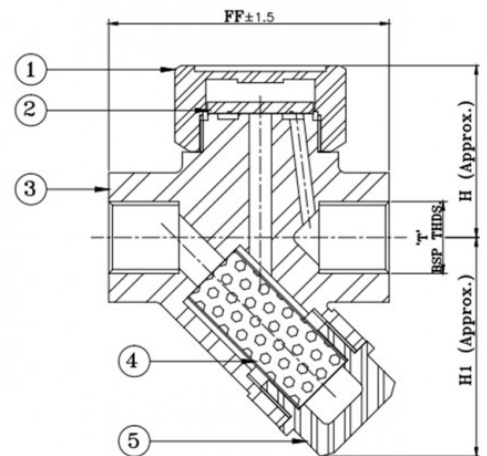
Suitability

Water, Steam



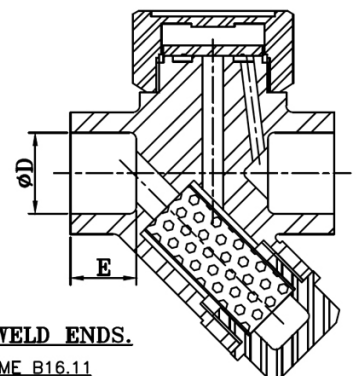
Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------|-----------------|-------------------|
| 1 | Cover | Stainless Steel | AISI 420 |
| 2 | Disc | Stainless Steel | AISI 410 |
| 3 | Body | F.S.S. | ASTM A182 Gr. F6a |
| 4 | Screen | Stainless Steel | TYPE 304 |
| 5 | Plug | Stainless Steel | AISI 420 |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | T | ØD | E | H | H1 |
|-------------------|---------|------|-------------|------|----|----|
| 15 | 80 | 1/2" | 21.8 / 22.2 | 9.5 | 49 | 63 |
| 20 | 80 | 3/4" | 27.2 / 27.6 | 12.5 | 49 | 63 |
| 25 | 90 | 1" | 33.9 / 34.3 | 12.5 | 52 | 69 |





AV-301 F.C.S. (A105) Gate Valve, Class-800

Features

Reduced Bore, Bolted Bonnet, O/S & Yoke Type, Rising Stem, Renewable Seat, Solid Wedge, SS Trim

Screwed Female NPT Threads as per ASME B1.20.1 .

Product Standard : API-602/ EN-15761

Test Pressure

Body : 207 Bar (Hyd.)

Seat : 152 Bar (Hyd.)

Testing Standard : API-598/ BSEN-12266-1

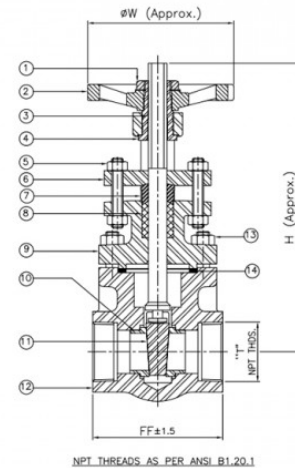
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|-------------------------|--------------------------------|------------------------------------|
| | | A105 | A105 |
| 1 | Handwheel Retaining Nut | Carbon Steel | - |
| 2 | Handwheel | M.I. | ASTM A338 |
| 3 | Stem | Stainless Steel | ASTM A276 TYPE 410 |
| 4 | Yoke Sleeve | Stainless Steel | ASTM A276 TYPE 410 |
| 5 | Stud Bolts & Nuts | Alloy Steel/ H.T. Steel | ASTM A193 Gr.B7/ ASTM A194 Gr.2H |
| 6 | Gland Flange | Forged Carbon Steel | ASTM A105 |
| 7 | Gland Follower | Stainless Steel | ASTM A276 TYPE 410 |
| 8 | Gland Packing | Flexible Graphite | - |
| 9 | Bonnet | Forged Carbon Steel | ASTM A105 |
| 10 | Body Seat Ring | Stainless Steel | ASTM A276 TYPE 410 |
| 11 | Wedge | Stainless Steel | ASTM A182 Gr. F6a |
| 12 | Body | Forged Carbon Steel | ASTM A105 |
| 13 | Stud Bolts & Nuts | Alloy Steel/ H.T. Steel | ASTM A193 Gr. B7/ ASTM A194 Gr. 2H |
| 14 | Gasket | Spiral Wound S.S. 304 Graphoil | - |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | ØW | T |
|-------------------|---------|-----|-----|--------|
| 10 | 80 | 132 | 80 | 3/8" |
| 15 | 80 | 132 | 80 | 1/2" |
| 20 | 88 | 142 | 80 | 3/4" |
| 25 | 100 | 175 | 90 | 1" |
| 32 | 104 | 215 | 152 | 1.1/4" |
| 40 | 104 | 215 | 152 | 1.1/2" |
| 50 | 116 | 245 | 152 | 2" |



AV-301A F.S.S. (F304) Gate Valve, Class-800

Features

Reduced Bore, Bolted Bonnet, O/S & Yoke Type, Rising Stem, Renewable Seat, Solid Wedge, SS 304 Trim
 Screwed Female NPT Threads as per ASME B1.20.1 .
 Product Standard : API-602/ EN-15761

Test Pressure

Body : 207 Bar (Hyd.)
 Seat : 152 Bar (Hyd.)
 Testing Standard : API-598/ BSEN-12266-1

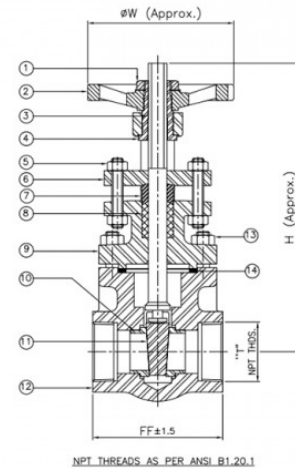
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|-------------------------|-------------------------------|----------------------------------|
| | | F304 | F304 |
| 1 | Handwheel Retaining Nut | S.S. 304 | - |
| 2 | Handwheel | M.I. | ASTM A338 |
| 3 | Stem | Stainless Steel | ASTM A276 TYPE 304 |
| 4 | Yoke Sleeve | Stainless Steel | ASTM A276 TYPE 304 |
| 5 | Stud Bolts & Nuts | Stainless Steel | ASTM A193 Gr.B8 & ASTM A194 Gr.8 |
| 6 | Gland Flange | Forged Stainless Steel | ASTM A182 F304 |
| 7 | Gland Follower | Stainless Steel | ASTM A276 TYPE 304 |
| 8 | Gland Packing | Flexible Graphite | - |
| 9 | Bonnet | Forged Stainless Steel | ASTM A182 F304 |
| 10 | Body Seat Ring | Stainless Steel | ASTM A276 TYPE 304 |
| 11 | Wedge | Stainless Steel | ASTM A182 F304 |
| 12 | Body | Forged Stainless Steel | ASTM A182 F304 |
| 13 | Stud Bolts & Nuts | Stainless Steel | ASTM A193 Gr.B8 & ASTM A194 Gr.8 |
| 14 | Gasket | Spiral Wound S.S 304 Graphoil | - |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | ØW | T |
|-------------------|---------|-----|-----|--------|
| 10 | 80 | 132 | 80 | 3/8" |
| 15 | 80 | 132 | 80 | 1/2" |
| 20 | 88 | 142 | 80 | 3/4" |
| 25 | 100 | 175 | 90 | 1" |
| 32 | 104 | 215 | 152 | 1.1/4" |
| 40 | 104 | 215 | 152 | 1.1/2" |
| 50 | 116 | 245 | 152 | 2" |



AV-301B F.S.S. (F316) Gate Valve, Class-800

Features

Reduced Bore, Bolted Bonnet, O/S & Yoke Type, Rising Stem, Renewable Seat, Solid Wedge, SS 316 Trim
 Screwed Female NPT Threads as per ASME B1.20.1 .
 Product Standard : API-602/ EN-15761

Test Pressure

Body : 207 Bar (Hyd.)
 Seat : 152 Bar (Hyd.)
 Testing Standard : API-598/ BSEN-12266-1

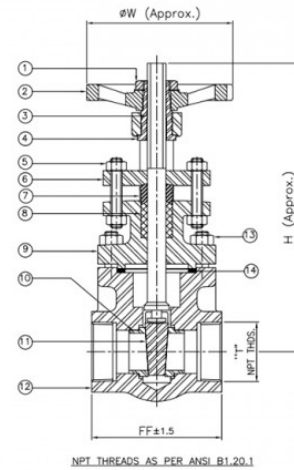
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|-------------------------|--------------------------------|----------------------------------|
| | | F316 | F316 |
| 1 | Handwheel Retaining Nut | S.S. 316 | - |
| 2 | Handwheel | M.I. | ASTM A338 |
| 3 | Stem | Stainless Steel | ASTM A276 TYPE 316 |
| 4 | Yoke Sleeve | Stainless Steel | ASTM A276 TYPE 316 |
| 5 | Stud Bolts & Nuts | Stainless Steel | ASTM A193 Gr.B8 & ASTM A194 Gr.8 |
| 6 | Gland Flange | Forged Stainless Steel | ASTM A182 F316 |
| 7 | Gland Follower | Stainless Steel | ASTM A276 TYPE 316 |
| 8 | Gland Packing | Flexible Graphite | - |
| 9 | Bonnet | Forged Stainless Steel | ASTM A182 F316 |
| 10 | Body Seat Ring | Stainless Steel | ASTM A276 TYPE 316 |
| 11 | Wedge | Stainless Steel | ASTM A182 F316 |
| 12 | Body | Forged Stainless Steel | ASTM A182 F316 |
| 13 | Stud Bolts & Nuts | Stainless Steel | ASTM A193 Gr.B8 & ASTM A194 Gr.8 |
| 14 | Gasket | Spiral Wound S.S. 316 Graphoil | - |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | ØW | T |
|-------------------|---------|-----|-----|--------|
| 10 | 80 | 132 | 80 | 3/8" |
| 15 | 80 | 132 | 80 | 1/2" |
| 20 | 88 | 142 | 80 | 3/4" |
| 25 | 100 | 175 | 90 | 1" |
| 32 | 104 | 215 | 152 | 1.1/4" |
| 40 | 104 | 215 | 152 | 1.1/2" |
| 50 | 116 | 245 | 152 | 2" |



AV-302 F.C.S. (A105) Gate Valve, Class-800

Features

Reduced Bore, Bolted Bonnet, O/S & Yoke Type, Rising Stem, Renewable Seat, Solid Wedge, SS Trim
 Socket Welded Ends as Per ASME B-16.11
 Product Standard : API-602/ EN-15761

Test Pressure

Body - 207 Bar (Hyd.)
 Seat - 152 Bar (Hyd.)
 Testing Standard : API-598/ BSEN-12266-1

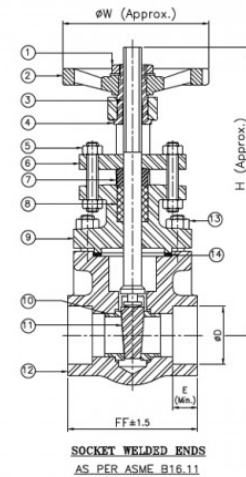
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|-------------------------|--------------------------------|------------------------------------|
| | | A105 | A105 |
| 1 | Handwheel Retaining Nut | Carbon Steel | - |
| 2 | Handwheel | M.I. | ASTM A338 |
| 3 | Stem | Stainless Steel | ASTM A276 TYPE 410 |
| 4 | Yoke Sleeve | Stainless Steel | ASTM A276 TYPE 410 |
| 5 | Stud Bolts & Nuts | Alloy Steel/ H.T. Steel | ASTM A193 Gr.B7/ ASTM A194 Gr.2H |
| 6 | Gland Flange | Forged Carbon Steel | ASTM A105 |
| 7 | Gland Follower | Stainless Steel | ASTM A276 TYPE 410 |
| 8 | Gland Packing | Flexible Graphite | - |
| 9 | Bonnet | Forged Carbon Steel | ASTM A105 |
| 10 | Body Seat Ring | Stainless Steel | ASTM A276 TYPE 410 |
| 11 | Wedge | Stainless Steel | ASTM A182 Gr. F6a |
| 12 | Body | Forged Carbon Steel | ASTM A105 |
| 13 | Stud Bolts & Nuts | Alloy Steel/ H.T. Steel | ASTM A193 Gr. B7/ ASTM A194 Gr. 2H |
| 14 | Gasket | Spiral Wound S.S. 304 Graphoil | - |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | ØW | ØD | E (Min.) |
|-------------------|---------|-----|-----|-----------|----------|
| 10 | 80 | 132 | 80 | 17.6/18.0 | 9.5 |
| 15 | 80 | 132 | 80 | 21.8/22.2 | 9.5 |
| 20 | 88 | 142 | 80 | 27.2/27.6 | 12.5 |
| 25 | 100 | 175 | 90 | 33.9/34.3 | 12.5 |
| 32 | 104 | 215 | 152 | 42.7/43.1 | 12.5 |
| 40 | 104 | 215 | 152 | 48.8/49.2 | 12.5 |
| 50 | 116 | 245 | 152 | 61.2/61.7 | 16 |



AV-302A F.S.S. (F304) Gate Valve, Class-800

Features

Reduced Bore, Bolted Bonnet, O/S & Yoke Type, Rising Stem, Renewable Seat, Solid Wedge, SS 304 Trim
 Socket Welded Ends as Per ASME B-16.11
 Product Standard : API-602/ EN-15761

Test Pressure

Body - 207 Bar (Hyd.)
 Seat - 152 Bar (Hyd.)
 Testing Standard : API-598/ BSEN-12266-1

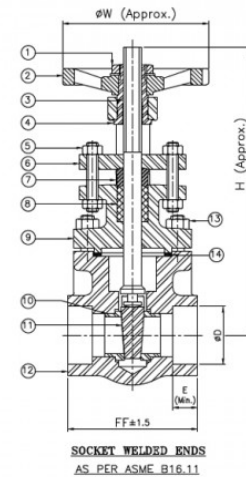
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|-------------------------|-------------------------------|----------------------------------|
| | | F304 | F304 |
| 1 | Handwheel Retaining Nut | S.S. 304 | - |
| 2 | Handwheel | M.I. | ASTM A338 |
| 3 | Stem | Stainless Steel | ASTM A276 TYPE 304 |
| 4 | Yoke Sleeve | Stainless Steel | ASTM A276 TYPE 304 |
| 5 | Stud Bolts & Nuts | Stainless Steel | ASTM A193 Gr.B8 & ASTM A194 Gr.8 |
| 6 | Gland Flange | Forged Stainless Steel | ASTM A182 F304 |
| 7 | Gland Follower | Stainless Steel | ASTM A276 TYPE 304 |
| 8 | Gland Packing | Flexible Graphite | - |
| 9 | Bonnet | Forged Stainless Steel | ASTM A182 F304 |
| 10 | Body Seat Ring | Stainless Steel | ASTM A276 TYPE 304 |
| 11 | Wedge | Stainless Steel | ASTM A182 F304 |
| 12 | Body | Forged Stainless Steel | ASTM A182 F304 |
| 13 | Stud Bolts & Nuts | Stainless Steel | ASTM A193 Gr.B8 & ASTM A194 Gr.8 |
| 14 | Gasket | Spiral Wound S.S 304 Graphoil | - |



Dimensional Data

| Nominal Size (mm) | FF ± 1.5 | H | ϕW | ϕD | E (Min.) |
|-------------------|--------------|-----|----------|-----------|----------|
| 10 | 80 | 132 | 80 | 17.6/18.0 | 9.5 |
| 15 | 80 | 132 | 80 | 21.8/22.2 | 9.5 |
| 20 | 88 | 142 | 80 | 27.2/27.6 | 12.5 |
| 25 | 100 | 175 | 90 | 33.9/34.3 | 12.5 |
| 32 | 104 | 215 | 152 | 42.7/43.1 | 12.5 |
| 40 | 104 | 215 | 152 | 48.8/49.2 | 12.5 |
| 50 | 116 | 245 | 152 | 61.2/61.7 | 16 |



AV-302B F.S.S. (F316) Gate Valve, Class-800

Features

Reduced Bore, Bolted Bonnet, O/S & Yoke Type, Rising Stem, Renewable Seat, Solid Wedge, SS 316 Trim
 Socket Welded Ends as Per ASME B-16.11
 Product Standard : API-602/ EN-15761

Test Pressure

Body - 207 Bar (Hyd.)
 Seat - 152 Bar (Hyd.)
 Testing Standard : API-598/ BSEN-12266-1

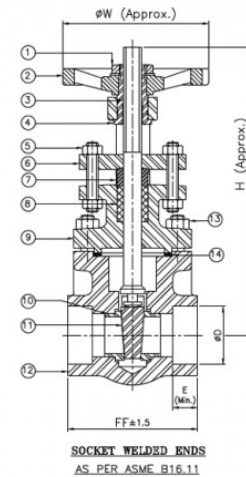
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|-------------------------|--------------------------------|----------------------------------|
| | | F316 | F316 |
| 1 | Handwheel Retaining Nut | S.S. 316 | - |
| 2 | Handwheel | M.I. | ASTM A338 |
| 3 | Stem | Stainless Steel | ASTM A276 TYPE 316 |
| 4 | Yoke Sleeve | Stainless Steel | ASTM A276 TYPE 316 |
| 5 | Stud Bolts & Nuts | Stainless Steel | ASTM A193 Gr.B8 & ASTM A194 Gr.8 |
| 6 | Gland Flange | Forged Stainless Steel | ASTM A182 F316 |
| 7 | Gland Follower | Stainless Steel | ASTM A276 TYPE 316 |
| 8 | Gland Packing | Flexible Graphite | - |
| 9 | Bonnet | Forged Stainless Steel | ASTM A182 F316 |
| 10 | Body Seat Ring | Stainless Steel | ASTM A276 TYPE 316 |
| 11 | Wedge | Stainless Steel | ASTM A182 F316 |
| 12 | Body | Forged Stainless Steel | ASTM A182 F316 |
| 13 | Stud Bolts & Nuts | Stainless Steel | ASTM A193 Gr.B8 & ASTM A194 Gr.8 |
| 14 | Gasket | Spiral Wound S.S. 316 Graphoil | - |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | ØW | ØD | E (Min.) |
|-------------------|---------|-----|-----|-----------|----------|
| 10 | 80 | 132 | 80 | 17.6/18.0 | 9.5 |
| 15 | 80 | 132 | 80 | 21.8/22.2 | 9.5 |
| 20 | 88 | 142 | 80 | 27.2/27.6 | 12.5 |
| 25 | 100 | 175 | 90 | 33.9/34.3 | 12.5 |
| 32 | 104 | 215 | 152 | 42.7/43.1 | 12.5 |
| 40 | 104 | 215 | 152 | 48.8/49.2 | 12.5 |
| 50 | 116 | 245 | 152 | 61.2/61.7 | 16 |



AV-303 F.C.S. (A105) Globe Valve, Class-800

Features

Reduced Bore, Bolted Bonnet, O/S & Yoke Type, Rising Stem, Renewable Seat & Plug Type Disc, SS Trim
Screwed Female NPT Threads as per ASME B1.20.1 .
Product Standard : API-602/ BSEN-15761

Test Pressure

Body : 207 Bar (Hyd.)
Seat : 152 Bar (Hyd.)
Testing Standard : API-598/ BSEN-12266-1

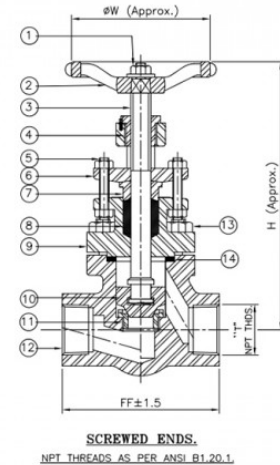
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|-------------------|--------------------------|---------------------------------------|
| | | A105 | A105 |
| 1 | Nut | Carbon Steel | - |
| 2 | Handwheel | M.I. | ASTM A338 |
| 3 | Stem | Stainless Steel | ASTM A276 TYPE 410 |
| 4 | Yoke Sleeve | Stainless Steel | ASTM A276 TYPE 410 |
| 5 | Stud Bolts & Nuts | Alloy Steel, H.T. Steel | ASTM A193 Gr.B7, ASTM A194 Gr.2H |
| 6 | Gland Flange | Forged Carbon Steel | ASTM A105 |
| 7 | Gland Follower | Stainless Steel | ASTM A276 TYPE 410 |
| 8 | Gland Packing | Flexible Graphite | - |
| 9 | Bonnet | Forged Carbon Steel | ASTM A105 |
| 10 | Disc | Stainless Steel | ASTM A182 Gr. F6a/ ASTM A276 TYPE 410 |
| 11 | Body Seat Ring | Stainless Steel | ASTM A182 Gr. F6a/ ASTM A276 TYPE 410 |
| 12 | Body | Forged Carbon Steel | ASTM A105 |
| 13 | Stud Bolts & Nuts | Alloy Steel, H.T. Steel | ASTM A193 Gr. B7/ ASTM A194 Gr. 2H |
| 14 | Gasket | S.S. 304 Graphoil Filler | - |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | ØW | T |
|-------------------|---------|-----|-----|--------|
| 10 | 80 | 140 | 80 | 3/8" |
| 15 | 80 | 153 | 80 | 1/2" |
| 20 | 88 | 157 | 80 | 3/4" |
| 25 | 100 | 176 | 90 | 1" |
| 32 | 145 | 240 | 152 | 1.1/4" |
| 40 | 145 | 240 | 152 | 1.1/2" |
| 50 | 170 | 275 | 152 | 2" |



AV-303A F.S.S. (F304) Globe Valve, Class-800

Features

Reduced Bore, Bolted Bonnet, O/S & Yoke Type, Rising Stem, Renewable Seat & Plug Type Disc, SS 304 Trim
Screwed Female NPT Threads as per ASME B1.20.1
Product Standard : API-602/ BSEN-15761

Test Pressure

Body : 207 Bar (Hyd.)
Seat : 152 Bar (Hyd.)
Testing Standard : API-598/ BSEN-12266-1

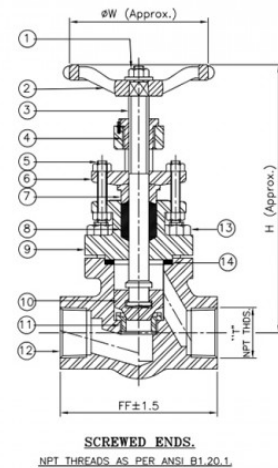
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|-------------------|------------------------|------------------------------------|
| | | F304 | F304 |
| 1 | Nut | S.S. 304 | - |
| 2 | Handwheel | M.I. | ASTM A338 |
| 3 | Stem | Stainless Steel | ASTM A276 TYPE 304 |
| 4 | Yoke Sleeve | Stainless Steel | ASTM A276 TYPE 304 |
| 5 | Stud Bolts & Nuts | Stainless Steel | ASTM A193 Gr. B8 & ASTM A194 Gr. 8 |
| 6 | Gland Flange | Forged Stainless Steel | ASTM A182 F304 |
| 7 | Gland Follower | Stainless Steel | ASTM A276 TYPE 304 |
| 8 | Gland Packing | Flexible Graphite | - |
| 9 | Bonnet | Forged Stainless Steel | ASTM A182 F304 |
| 10 | Disc | Stainless Steel | ASTM A182 F304/ ASTM A276 TYPE 304 |
| 11 | Body Seat Ring | Stainless Steel | ASTM A182 F304/ ASTM A276 TYPE 304 |
| 12 | Body | Forged Stainless Steel | ASTM A182 F304 |
| 13 | Stud Bolts & Nuts | Stainless Steel | ASTM A193 Gr. B8 & ASTM A194 Gr. 8 |
| 14 | Gasket | S.S. 304 | - |



Dimensional Data

| Nominal Size (mm) | FF ± 1.5 | H | ϕW | T |
|-------------------|--------------|-----|----------|--------|
| 10 | 80 | 140 | 80 | 3/8" |
| 15 | 80 | 153 | 80 | 1/2" |
| 20 | 88 | 157 | 80 | 3/4" |
| 25 | 100 | 176 | 90 | 1" |
| 32 | 145 | 240 | 152 | 1.1/4" |
| 40 | 145 | 240 | 152 | 1.1/2" |
| 50 | 170 | 275 | 152 | 2" |



AV-303B F.S.S. (F316) Globe Valve, Class-800

Features

Reduced Bore, Bolted Bonnet, O/S & Yoke Type, Rising Stem, Renewable Seat & Plug Type Disc, SS 316 Trim
Screwed Female NPT Threads as per ASME B1.20.1
Product Standard : API-602/ BSEN-15761

Test Pressure

Body : 207 Bar (Hyd.)
Seat : 152 Bar (Hyd.)
Testing Standard : API-598/ BSEN-12266-1

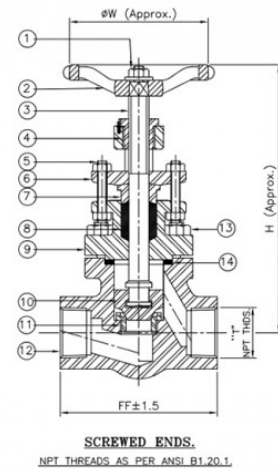
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|-------------------|--------------------------|------------------------------------|
| | | F316 | F316 |
| 1 | Nut | S.S. 316 | - |
| 2 | Handwheel | M.I. | ASTM A338 |
| 3 | Stem | Stainless Steel | ASTM A276 TYPE 316 |
| 4 | Yoke Sleeve | Stainless Steel | ASTM A276 TYPE 316 |
| 5 | Stud Bolts & Nuts | Stainless Steel | ASTM A193 Gr. B8 & ASTM A194 Gr. 8 |
| 6 | Gland Flange | Forged Stainless Steel | ASTM A182 F316 |
| 7 | Gland Follower | Stainless Steel | ASTM A276 TYPE 316 |
| 8 | Gland Packing | Flexible Graphite | - |
| 9 | Bonnet | Forged Stainless Steel | ASTM A182 F316 |
| 10 | Disc | Stainless Steel | ASTM A182 F316, ASTM A276 TYPE 316 |
| 11 | Body Seat Ring | Stainless Steel | ASTM A182 F316, ASTM A276 TYPE 316 |
| 12 | Body | Forged Stainless Steel | ASTM A182 F316 |
| 13 | Stud Bolts & Nuts | Stainless Steel | ASTM A193 Gr. B8 & ASTM A194 Gr. 8 |
| 14 | Gasket | S.S. 316 Graphoil Filler | - |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | ØW | T |
|-------------------|---------|-----|-----|--------|
| 10 | 80 | 140 | 80 | 3/8" |
| 15 | 80 | 153 | 80 | 1/2" |
| 20 | 88 | 157 | 80 | 3/4" |
| 25 | 100 | 176 | 90 | 1" |
| 32 | 145 | 240 | 152 | 1.1/4" |
| 40 | 145 | 240 | 152 | 1.1/2" |
| 50 | 170 | 275 | 152 | 2" |



AV-304 F.C.S. (A105) Globe Valve, Class-800

Features

Reduced Bore, Bolted Bonnet, O/S & Yoke Type, Rising Stem, Renewable Seat & Plug Type Disc, SS Trim
 Socket Welded Ends as Per ASME B-16.11
 Product Standard : API-602/ BSEN-15761

Test Pressure

Body - 207 Bar (Hyd.)
 Seat - 152 Bar (Hyd.)
 Testing Standard : API-598/ BSEN-12266-1

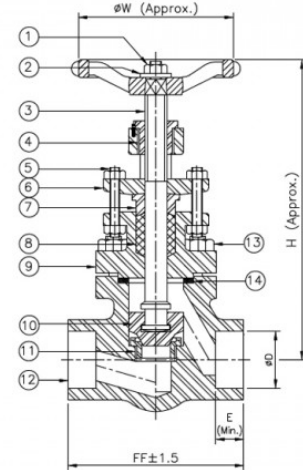
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|-------------------|--------------------------|---------------------------------------|
| | | A105 | A105 |
| 1 | Nut | Carbon Steel | - |
| 2 | Handwheel | M.I. | ASTM A338 |
| 3 | Stem | Stainless Steel | ASTM A276 TYPE 410 |
| 4 | Yoke Sleeve | Stainless Steel | ASTM A276 TYPE 410 |
| 5 | Stud Bolts & Nuts | Alloy Steel, H.T. Steel | ASTM A193 Gr.B7, ASTM A194 Gr.2H |
| 6 | Gland Flange | Forged Carbon Steel | ASTM A105 |
| 7 | Gland Follower | Stainless Steel | ASTM A276 TYPE 410 |
| 8 | Gland Packing | Flexible Graphite | - |
| 9 | Bonnet | Forged Carbon Steel | ASTM A105 |
| 10 | Disc | Stainless Steel | ASTM A182 Gr. F6a/ ASTM A276 TYPE 410 |
| 11 | Body Seat Ring | Stainless Steel | ASTM A182 Gr. F6a/ ASTM A276 TYPE 410 |
| 12 | Body | Forged Carbon Steel | ASTM A105 |
| 13 | Stud Bolts & Nuts | Alloy Steel, H.T. Steel | ASTM A193 Gr. B7/ ASTM A194 Gr. 2H |
| 14 | Gasket | S.S. 304 Graphoil Filler | - |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | ØW | ØD | E |
|-------------------|---------|-----|-----|-----------|------|
| 10 | 80 | 140 | 80 | 17.6/18.0 | 9.5 |
| 15 | 80 | 153 | 80 | 21.8/22.2 | 9.5 |
| 20 | 88 | 157 | 80 | 27.2/27.6 | 12.5 |
| 25 | 100 | 176 | 90 | 33.9/34.3 | 12.5 |
| 32 | 145 | 240 | 152 | 42.7/43.1 | 12.5 |
| 40 | 145 | 240 | 152 | 48.8/49.2 | 12.5 |
| 50 | 170 | 275 | 152 | 61.2/61.7 | 16 |



AV-304A F.S.S. (F304) Globe Valve, Class-800

Features

Reduced Bore, Bolted Bonnet, O/S & Yoke Type, Rising Stem, Renewable Seat & Plug Type Disc,
SS 304 Trim
Socket Welded Ends as Per ASME B-16.11
Product Standard : API-602/ BSEN-15761

Test Pressure

Body - 207 Bar (Hyd.)
Seat - 152 Bar (Hyd.)
Testing Standard : API-598/ BSEN-12266-1

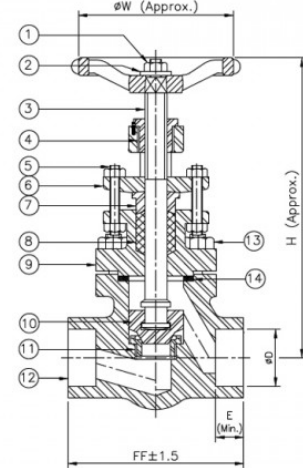
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|-------------------|---|------------------------------------|
| | | F304 | F304 |
| 1 | Nut | S.S. 304 | - |
| 2 | Handwheel | M.I. | ASTM A338 |
| 3 | Stem | Stainless Steel | ASTM A276 TYPE 304 |
| 4 | Yoke Sleeve | Stainless Steel | ASTM A276 TYPE 304 |
| 5 | Stud Bolts & Nuts | Stainless Steel | ASTM A193 Gr. B8 & ASTM A194 Gr. 8 |
| 6 | Gland Flange | Forged Stainless Steel | ASTM A182 F304 |
| 7 | Gland Follower | Stainless Steel | ASTM A276 TYPE 304 |
| 8 | Gland Packing | Flexible Graphite | - |
| 9 | Bonnet | Forged Stainless Steel | ASTM A182 F304 |
| 10 | Disc | Stainless Steel | ASTM A182 F304/ ASTM A276 TYPE 304 |
| 11 | Body Seat Ring | Stainless Steel | ASTM A182 F304/ ASTM A276 TYPE 304 |
| 12 | Body | Forged Stainless Steel | ASTM A182 F304 |
| 13 | Stud Bolts & Nuts | Stainless Steel | ASTM A193 Gr. B8 & ASTM A194 Gr. 8 |
| 14 | Gasket | Spiral Wound S.S. 304 Graphoil Filler with Inner Ring | - |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | ØW | ØD | E |
|-------------------|---------|-----|-----|-----------|------|
| 10 | 80 | 140 | 80 | 17.6/18.0 | 9.5 |
| 15 | 80 | 153 | 80 | 21.8/22.2 | 9.5 |
| 20 | 88 | 157 | 80 | 27.2/27.6 | 12.5 |
| 25 | 100 | 176 | 90 | 33.9/34.3 | 12.5 |
| 32 | 145 | 240 | 152 | 42.7/43.1 | 12.5 |
| 40 | 145 | 240 | 152 | 48.8/49.2 | 12.5 |
| 50 | 170 | 275 | 152 | 61.2/61.7 | 16 |



AV-304B F.S.S. (F316) Globe Valve, Class-800

Features

Reduced Bore, Bolted Bonnet, O/S & Yoke Type, Rising Stem, Renewable Seat & Plug Type Disc, SS 316 Trim
 Socket Welded Ends as Per ASME B-16.11
 Product Standard : API-602/ BSEN-15761

Test Pressure

Body - 207 Bar (Hyd.)
 Seat - 152 Bar (Hyd.)
 Testing Standard : API-598/ BSEN-12266-1

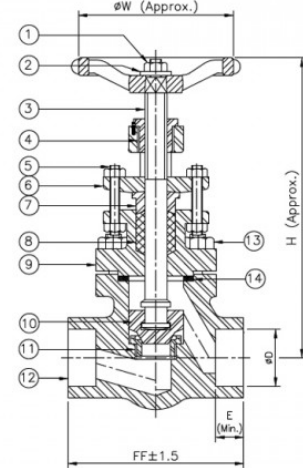
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|-------------------|---|------------------------------------|
| | | F316 | F316 |
| 1 | Nut | S.S. 316 | - |
| 2 | Handwheel | M.I. | ASTM A338 |
| 3 | Stem | Stainless Steel | ASTM A276 TYPE 316 |
| 4 | Yoke Sleeve | Stainless Steel | ASTM A276 TYPE 316 |
| 5 | Stud Bolts & Nuts | Stainless Steel | ASTM A193 Gr. B8 & ASTM A194 Gr. 8 |
| 6 | Gland Flange | Forged Stainless Steel | ASTM A182 F316 |
| 7 | Gland Follower | Stainless Steel | ASTM A276 TYPE 316 |
| 8 | Gland Packing | Flexible Graphite | - |
| 9 | Bonnet | Forged Stainless Steel | ASTM A182 F316 |
| 10 | Disc | Stainless Steel | ASTM A182 F316, ASTM A276 TYPE 316 |
| 11 | Body Seat Ring | Stainless Steel | ASTM A182 F316, ASTM A276 TYPE 316 |
| 12 | Body | Forged Stainless Steel | ASTM A182 F316 |
| 13 | Stud Bolts & Nuts | Stainless Steel | ASTM A193 Gr. B8 & ASTM A194 Gr. 8 |
| 14 | Gasket | Spiral Wound S.S. 304 Graphoil Filler with Inner Ring | - |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | ØW | ØD | E |
|-------------------|---------|-----|-----|-----------|------|
| 10 | 80 | 140 | 80 | 17.6/18.0 | 9.5 |
| 15 | 80 | 153 | 80 | 21.8/22.2 | 9.5 |
| 20 | 88 | 157 | 80 | 27.2/27.6 | 12.5 |
| 25 | 100 | 176 | 90 | 33.9/34.3 | 12.5 |
| 32 | 145 | 240 | 152 | 42.7/43.1 | 12.5 |
| 40 | 145 | 240 | 152 | 48.8/49.2 | 12.5 |
| 50 | 170 | 275 | 152 | 61.2/61.7 | 16 |



AV-305 F.C.S. (A105) Horizontal Lift Check Valve, Class-800

Features

Reduced Bore, Bolted Cover, Renewable Seat & Disc, SS Trim
 Screwed Female NPT Threads as per ASME B1.20.1 .
 Product Standard : API-602/ EN-15761

Test Pressure

Body : 207 Bar (Hyd.)
 Seat : 152 Bar (Hyd.)
 Testing Standard : API-598/ BSEN-1266-1

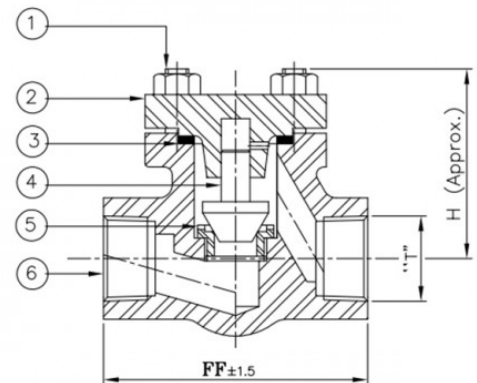
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|----------------|---------------------------------------|---------------------------------------|
| | | A105 | A105 |
| 1 | Studs and Nuts | Alloy Steel, H.T. Steel | ASTM A193 Gr. B7, ASTM A194 Gr. 2H |
| 2 | Cover | Forged Carbon Steel | ASTM A105 |
| 3 | Gasket | Spiral Wound S.S. 304 Graphoil Filler | - |
| 4 | Disc | Stainless Steel | ASTM A182 Gr. F6a/ ASTM A276 Type 410 |
| 5 | Body Seat Ring | Stainless Steel | ASTM A276 TYPE 410 |
| 6 | Body | Forged Carbon Steel | ASTM A105 |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | T |
|-------------------|---------|-----|--------|
| 10 | 80 | 58 | 3/8" |
| 15 | 80 | 55 | 1/2" |
| 20 | 88 | 62 | 3/4" |
| 25 | 100 | 85 | 1" |
| 40 | 145 | 98 | 1.1/2" |
| 50 | 170 | 120 | 2" |



AV-305A F.S.S. (F304) Horizontal Lift Check Valve, Class-800

Features

Reduced Bore, Bolted Cover, Renewable Seat & Disc, SS 304 Trim
Screwed Female NPT Threads as per ASME B1.20.1 .
Product Standard : API-602/ EN-15761

Test Pressure

Body : 207 Bar (Hyd.)
Seat : 152 Bar (Hyd.)
Testing Standard : API-598/ BSEN-1266-1

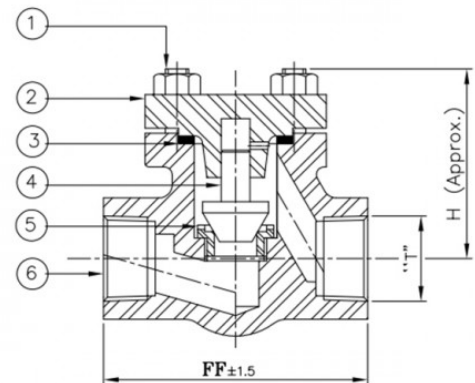
Suitability

Water, Steam



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|----------------|--------------------------------|------------------------------------|
| | | F304 | F304 |
| 1 | Studs and Nuts | Stainless Steel | ASTM A193 Gr. B8 & ASTM A194 Gr. 8 |
| 2 | Cover | Forged Stainless Steel | ASTM A182 F304 |
| 3 | Gasket | Spiral Wound S.S. 304 Graphoil | - |
| 4 | Disc | Stainless Steel | ASTM A182 F304/ ASTM A276 Type 304 |
| 5 | Body Seat Ring | Stainless Steel | ASTM A276 TYPE 304 |
| 6 | Body | Forged Stainless Steel | ASTM A182 F304 |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | T |
|-------------------|---------|-----|--------|
| 10 | 80 | 58 | 3/8" |
| 15 | 80 | 55 | 1/2" |
| 20 | 88 | 62 | 3/4" |
| 25 | 100 | 85 | 1" |
| 40 | 145 | 98 | 1.1/2" |
| 50 | 170 | 120 | 2" |



AV-305B F.S.S. (F316) Horizontal Lift Check Valve, Class-800

Features

Reduced Bore, Bolted Cover, Renewable Seat & Disc, SS 316 Trim
Screwed Female NPT Threads as per ASME B1.20.1 .
Product Standard : API-602/ EN-15761

Test Pressure

Body : 207 Bar (Hyd.)
Seat : 152 Bar (Hyd.)
Testing Standard : API-598/ BSEN-1266-1

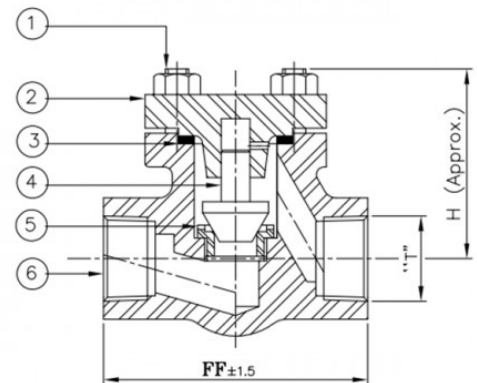
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|----------------|--------------------------------|------------------------------------|
| | | F316 | F316 |
| 1 | Studs and Nuts | Stainless Steel | ASTM A193 Gr. B8 & ASTM A194 Gr. 8 |
| 2 | Cover | Forged Stainless Steel | ASTM A182 F316 |
| 3 | Gasket | Spiral Wound S.S. 316 Graphoil | - |
| 4 | Disc | Stainless Steel | ASTM A182 F316/ ASTM A276 Type 316 |
| 5 | Body Seat Ring | Stainless Steel | ASTM A276 TYPE 316 |
| 6 | Body | Forged Stainless Steel | ASTM A182 F316 |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | T |
|-------------------|---------|-----|--------|
| 10 | 80 | 58 | 3/8" |
| 15 | 80 | 55 | 1/2" |
| 20 | 88 | 62 | 3/4" |
| 25 | 100 | 85 | 1" |
| 40 | 145 | 98 | 1.1/2" |
| 50 | 170 | 120 | 2" |



AV-306 F.C.S. (A105) Horizontal Lift Check Valve, Class-800

Features

Reduced Bore, Bolted Cover, Renewable Seat & Disc, SS Trim
 Socket Welded Ends as Per ASME B-16.11
 Product Standard : API-602/ EN-15761

Test Pressure

Body - 207 Bar (Hyd.)
 Seat - 152 Bar (Hyd.)
 Testing Standard : API-598/ BSEN-1266-1

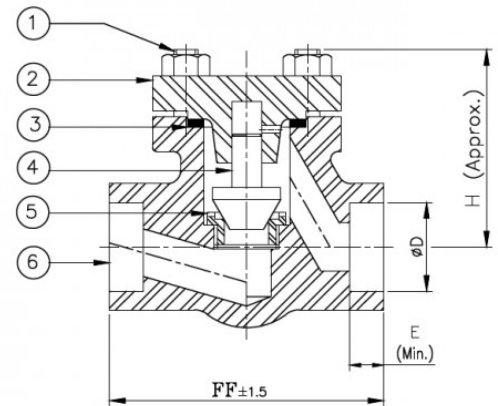
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|----------------|---------------------------------------|---------------------------------------|
| | | A105 | A105 |
| 1 | Studs and Nuts | Alloy Steel, H.T. Steel | ASTM A193 Gr. B7, ASTM A194 Gr. 2H |
| 2 | Cover | Forged Carbon Steel | ASTM A105 |
| 3 | Gasket | Spiral Wound S.S. 304 Graphoil Filler | - |
| 4 | Disc | Stainless Steel | ASTM A182 Gr. F6a/ ASTM A276 Type 410 |
| 5 | Body Seat Ring | Stainless Steel | ASTM A276 TYPE 410 |
| 6 | Body | Forged Carbon Steel | ASTM A105 |



SOCKET WELDED ENDS
 AS PER ASME B16.11

Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | ØD | E (Min.) |
|-------------------|---------|-----|-----------|----------|
| 10 | 80 | 58 | 17.6/18.0 | 9.5 |
| 15 | 80 | 55 | 21.8/22.2 | 9.5 |
| 20 | 88 | 62 | 27.2/27.6 | 12.5 |
| 25 | 100 | 85 | 33.9/34.3 | 12.5 |
| 40 | 145 | 98 | 48.8/49.2 | 12.5 |
| 50 | 170 | 120 | 61.2/61.7 | 16 |



AV-306A F.S.S. (F304) Horizontal Lift Check Valve, Class-800

Features

Reduced Bore, Bolted Cover, Renewable Seat & Disc, SS 304 Trim
 Socket Welded Ends as Per ASME B-16.11
 Product Standard : API-602/ EN-15761

Test Pressure

Body - 207 Bar (Hyd.)
 Seat - 152 Bar (Hyd.)
 Testing Standard : API-598/ BSEN-1266-1

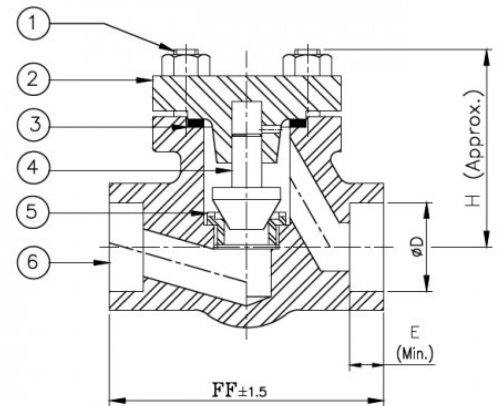
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|----------------|---------------------------------------|------------------------------------|
| | | F304 | F304 |
| 1 | Studs and Nuts | Stainless Steel | ASTM A193 Gr. B8 & ASTM A194 Gr. 8 |
| 2 | Cover | Forged Stainless Steel | ASTM A182 F304 |
| 3 | Gasket | Spiral Wound S.S. 304 Graphoil Filler | - |
| 4 | Disc | Stainless Steel | ASTM A182 F304/ ASTM A276 Type 304 |
| 5 | Body Seat Ring | Stainless Steel | ASTM A276 TYPE 304 |
| 6 | Body | Forged Stainless Steel | ASTM A182 F304 |



SOCKET WELDED ENDS
 AS PER ASME B16.11

Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | ØD | E |
|-------------------|---------|-----|-----------|------|
| 10 | 80 | 58 | 17.6/18.0 | 9.5 |
| 15 | 80 | 55 | 21.8/22.2 | 9.5 |
| 20 | 88 | 62 | 27.2/27.6 | 12.5 |
| 25 | 100 | 85 | 33.9/34.3 | 12.5 |
| 40 | 145 | 98 | 48.8/49.2 | 12.5 |
| 50 | 170 | 120 | 61.2/61.7 | 16 |



AV-306B F.S.S. (F316) Horizontal Lift Check Valve, Class-800

Features

Reduced Bore, Bolted Cover, Renewable Seat & Disc, SS 316 Trim
 Socket Welded Ends as Per ASME B-16.11
 Product Standard : API-602/ EN-15761

Test Pressure

Body - 207 Bar (Hyd.)
 Seat - 152 Bar (Hyd.)
 Testing Standard : API-598/ BSEN-1266-1

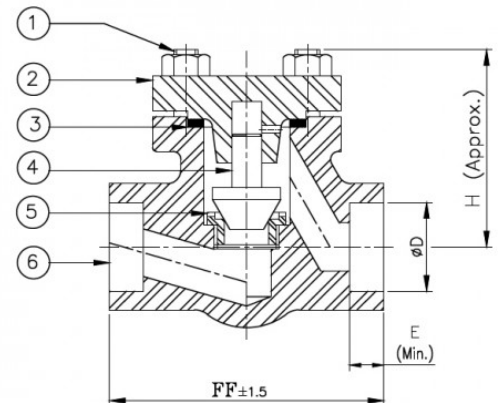
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|----------------|---------------------------------------|------------------------------------|
| | | F316 | F316 |
| 1 | Studs and Nuts | Stainless Steel | ASTM A193 Gr. B8 & ASTM A194 Gr. 8 |
| 2 | Cover | Forged Stainless Steel | ASTM A182 F316 |
| 3 | Gasket | Spiral Wound S.S. 316 Graphoil Filler | - |
| 4 | Disc | Stainless Steel | ASTM A182 F316/ ASTM A276 Type 316 |
| 5 | Body Seat Ring | Stainless Steel | ASTM A276 TYPE 316 |
| 6 | Body | Forged Stainless Steel | ASTM A182 F316 |



SOCKET WELDED ENDS
 AS PER ASME B16.11

Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | ØD | E |
|-------------------|---------|-----|-----------|------|
| 10 | 80 | 58 | 17.6/18.0 | 9.5 |
| 15 | 80 | 55 | 21.8/22.2 | 9.5 |
| 20 | 88 | 62 | 27.2/27.6 | 12.5 |
| 25 | 100 | 85 | 33.9/34.3 | 12.5 |
| 40 | 145 | 98 | 48.8/49.2 | 12.5 |
| 50 | 170 | 120 | 61.2/61.7 | 16 |



AV-307 F.C.S (A105) Gate Valve, Class-1500

Features

Standard Bore, Bolted Bonnet, O/S & Yoke Type, Rising Stem, Solid Wedge, SS Trim
 Socket Welded Ends as per Asme B-16.11
 Product Standard : API-602/ EN-15761

Test Pressure

Body : 384 Bar (Hyd.)
 Seat : 281 Bar (Hyd.)
 Testing Standard : BSEN-12266-1

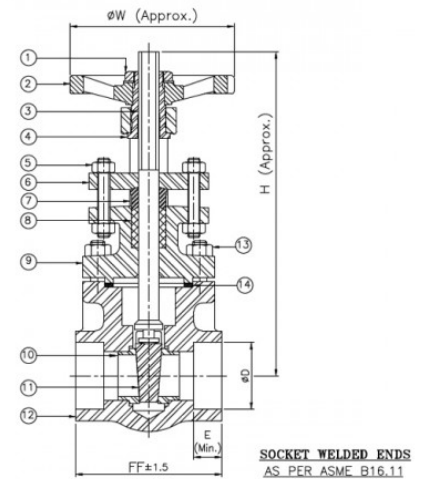
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|-------------------------|---------------------------------------|--|
| | | A105 | A105 |
| 1 | Handwheel Retaining Nut | Carbon Steel | - |
| 2 | Handwheel | M.I. | ASTM A338 |
| 3 | Stem | Stainless Steel | ASTM A276 TYPE 410 |
| 4 | Yoke Sleeve | Stainless Steel | ASTM A276 TYPE 410/ ASTM A582 TYPE 416 |
| 5 | Stud Bolts & Nuts | Alloy Steel/ H.T. Steel | ASTM A193 Gr. B7/ ASTM A194 Gr. 2H |
| 6 | Gland Flange | Forged Carbon Steel | ASTM A105 |
| 7 | Gland Follower | Stainless Steel | ASTM A276 TYPE 410 |
| 8 | Gland Packing | Flexible Graphite | - |
| 9 | Bonnet | Forged Carbon Steel | ASTM A105 |
| 10 | Body Seat Ring | Stainless Steel | ASTM A182 Gr. F6a/ ASTM A276 TYPE 410 |
| 11 | Wedge | Stainless Steel | ASTM A182Gr. F6a/ ASTM A276 TYPE 410 |
| 12 | Body | Forged Carbon Steel | ASTM A105 |
| 13 | Stud Bolts & Nuts | Alloy Steel/ H.T. Steel | ASTM A193 Gr. B7/ ASTM A194 Gr. 2H |
| 14 | Gasket | Spiral Wound S.S. 304 Graphoil Filler | - |



Dimensional Data

| Nominal Size (mm) | FF ± 1.5 | H | ϕW | ϕD | E (Min.) |
|-------------------|--------------|-----|----------|-----------|----------|
| 15 | 100 | 175 | 80 | 21.8/22.2 | 9.5 |
| 20 | 100 | 180 | 80 | 27.2/27.6 | 12.5 |
| 25 | 104 | 220 | 152 | 33.9/34.3 | 12.5 |
| 40 | 116 | 240 | 152 | 48.8/49.2 | 12.5 |



AV-307A F.S.S (F304) Gate Valve, Class-1500

Features

Standard Bore, Bolted Bonnet, O/S & Yoke Type, Rising Stem, Solid Wedge, SS 304 Trim
 Socket Welded Ends as per Asme B-16.11
 Product Standard : API-602/ EN-15761

Test Pressure

Body : 384 Bar (Hyd.)
 Seat : 281 Bar (Hyd.)
 Testing Standard : BSEN-12266-1

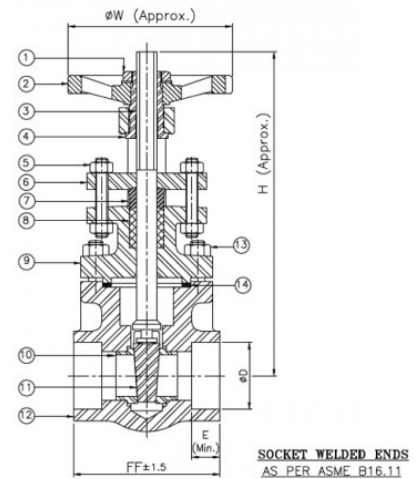
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|-------------------------|---------------------------------------|------------------------------------|
| | | F304 | F304 |
| 1 | Handwheel Retaining Nut | S.S. 304 | - |
| 2 | Handwheel | M.I. | ASTM A338 |
| 3 | Stem | Stainless Steel | ASTM A276 TYPE 304 |
| 4 | Yoke Sleeve | Stainless Steel | ASTM A276 TYPE 304 |
| 5 | Stud Bolts & Nuts | Stainless Steel | ASTM A193 Gr. B8 & ASTM A194 Gr. 8 |
| 6 | Gland Flange | Forged Stainless Steel | ASTM A182 F304 |
| 7 | Gland Follower | Stainless Steel | ASTM A276 TYPE 304 |
| 8 | Gland Packing | Flexible Graphite | - |
| 9 | Bonnet | Forged Stainless Steel | ASTM A182 F304 |
| 10 | Body Seat Ring | Stainless Steel | ASTM A182 F304/ ASTM A276 TYPE 304 |
| 11 | Wedge | Stainless Steel | ASTM A182 F304/ ASTM A182 F304 |
| 12 | Body | Forged Stainless Steel | ASTM A182 F304 |
| 13 | Stud Bolts & Nuts | Stainless Steel | ASTM A193 Gr. B8 & ASTM A194 Gr. 8 |
| 14 | Gasket | Spiral Wound S.S. 304 Graphoil Filler | - |



Dimensional Data

| Nominal Size (mm) | FF ± 1.5 | H | ϕW | ϕD | E (Min.) |
|-------------------|--------------|-----|----------|-----------|----------|
| 15 | 100 | 175 | 80 | 21.8/22.2 | 9.5 |
| 20 | 100 | 180 | 80 | 27.2/27.6 | 12.5 |
| 25 | 104 | 220 | 152 | 33.9/34.3 | 12.5 |
| 40 | 116 | 240 | 152 | 48.8/49.2 | 12.5 |



AV-307B F.S.S (F316) Gate Valve, Class-1500

Features

Standard Bore, Bolted Bonnet, O/S & Yoke Type, Rising Stem, Solid Wedge, SS 316 Trim
 Socket Welded Ends as per Asme B-16.11
 Product Standard : API-602/ EN-15761

Test Pressure

Body : 384 Bar (Hyd.)
 Seat : 281 Bar (Hyd.)
 Testing Standard : BSEN-12266-1

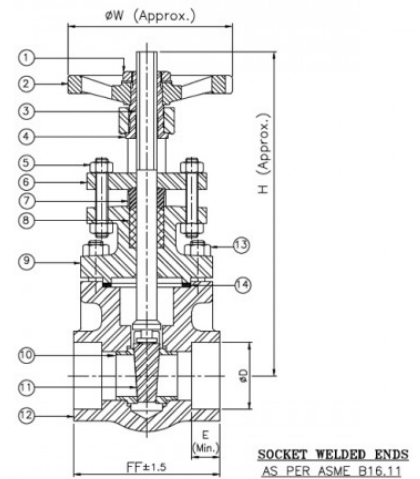
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|-------------------------|---------------------------------------|------------------------------------|
| | | F316 | F316 |
| 1 | Handwheel Retaining Nut | S.S. 316 | - |
| 2 | Handwheel | M.I. | ASTM A338 |
| 3 | Stem | Stainless Steel | ASTM A276 TYPE 316 |
| 4 | Yoke Sleeve | Stainless Steel | ASTM A276 TYPE 316 |
| 5 | Stud Bolts & Nuts | Alloy Steel, H.T. Steel | ASTM A193 Gr. B8 & ASTM A194 Gr. 8 |
| 6 | Gland Flange | Forged Stainless Steel | ASTM A182 F316 |
| 7 | Gland Follower | Stainless Steel | ASTM A276 TYPE 316 |
| 8 | Gland Packing | Flexible Graphite | - |
| 9 | Bonnet | Forged Stainless Steel | ASTM A182 F316 |
| 10 | Body Seat Ring | Stainless Steel | ASTM A182 F316/ ASTM A276 TYPE 316 |
| 11 | Wedge | Stainless Steel | ASTM A182 F316/ ASTM A276 TYPE 316 |
| 12 | Body | Forged Stainless Steel | ASTM A182 F316 |
| 13 | Stud Bolts & Nuts | Alloy Steel, H.T. Steel | ASTM A193 Gr. B8 & ASTM A194 Gr. 8 |
| 14 | Gasket | Spiral Wound S.S. 316 Graphoil Filler | - |



Dimensional Data

| Nominal Size (mm) | FF ± 1.5 | H | ϕW | ϕD | E (Min.) |
|-------------------|--------------|-----|----------|-----------|----------|
| 15 | 100 | 175 | 80 | 21.8/22.2 | 9.5 |
| 20 | 100 | 180 | 80 | 27.2/27.6 | 12.5 |
| 25 | 104 | 220 | 152 | 33.9/34.3 | 12.5 |
| 40 | 116 | 240 | 152 | 48.8/49.2 | 12.5 |



AV-308 F.C.S. (A105) Globe Valve, Class-1500

Features

Standard Bore, Bolted Bonnet, O/S & Yoke Type, Rising Stem, Renewable Plug Type Disc, SS Trim

Socket Welded Ends as per ASME B-16.11

Product Standard: API-602/EN-15761

Test Pressure

Body : 384 Bar (Hyd.)

Seat : 281 Bar (Hyd.)

Testing Standard : BSEN-12266-1

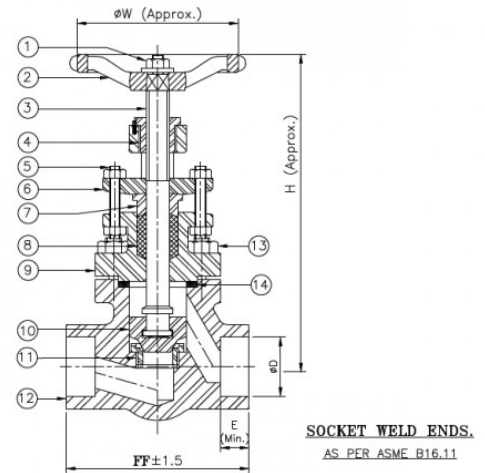
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|-------------------------|---------------------------------------|--|
| | | A105 | A105 |
| 1 | Handwheel Retaining Nut | Carbon Steel | - |
| 2 | Handwheel | M.I. | ASTM A338 |
| 3 | Stem | Stainless Steel | ASTM A276 TYPE 410 |
| 4 | Yoke Bush | Stainless Steel | ASTM A276 TYPE 410/ ASTM A582 TYPE 416 |
| 5 | Stud Bolts & Nuts | Alloy Steel/ H.T. Steel | ASTM A193 Gr.B7/ ASTM A194 Gr.2H |
| 6 | Gland Flange | Forged Carbon Steel | ASTM A105 |
| 7 | Gland Follower | Stainless Steel | ASTM A276 TYPE 410 |
| 8 | Gland Packing | Flexible Graphite | - |
| 9 | Bonnet | Forged Carbon Steel | ASTM A105 |
| 10 | Disc | Stainless Steel | ASTM A182Gr. F6a/ ASTM A276 TYPE 410 |
| 11 | Body Seat Ring | Stainless Steel | ASTM A182Gr. F6a/ ASTM A276 TYPE 410 |
| 12 | Body | Forged Carbon Steel | ASTM A105 |
| 13 | Stud Bolts & Nuts | Alloy Steel, H.T. Steel | ASTM A193 Gr.B7/ ASTM A194 Gr.2H |
| 14 | Gasket | Spiral Wound S.S. 304 Graphoil Filler | - |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | ØW | ØD | E (Min.) |
|-------------------|---------|-----|-----|-----------|----------|
| 15 | 100 | 170 | 90 | 21.8/22.2 | 9.5 |
| 20 | 145 | 235 | 152 | 27.2/27.6 | 12.5 |
| 25 | 145 | 242 | 152 | 33.9/34.3 | 12.5 |
| 32 | 170 | 280 | 152 | 42.7/43.1 | 12.5 |
| 40 | 170 | 287 | 152 | 48.8/49.2 | 12.5 |



AV-308A F.S.S. (F304) Globe Valve, Class-1500

Features

Standard Bore, Bolted Bonnet, O/S & Yoke Type, Rising Stem, Renewable Plug Type Disc, SS 304 Trim
 Socket Welded Ends as per ASME B-16.11
 Product Standard: API-602/EN-15761

Test Pressure

Body : 384 Bar (Hyd.)
 Seat : 281 Bar (Hyd.)
 Testing Standard : BSEN-12266-1

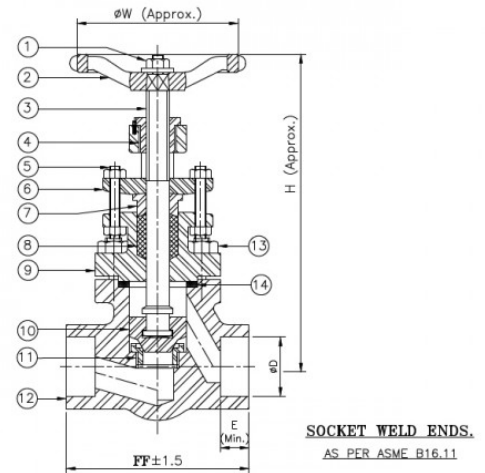
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|-------------------|---------------------------------------|------------------------------------|
| | | F304 | F304 |
| 1 | Nut | S.S. 304 | - |
| 2 | Handwheel | M.I. | ASTM A338 |
| 3 | Stem | Stainless Steel | ASTM A276 TYPE 304 |
| 4 | Yoke Bush | Stainless Steel | ASTM A276 TYPE 304 |
| 5 | Stud Bolts & Nuts | Stainless Steel | ASTM A193 Gr.B8 & ASTM A194 Gr.8 |
| 6 | Gland Flange | Forged Stainless Steel | ASTM A182 F304 |
| 7 | Gland Follower | Stainless Steel | ASTM A276 TYPE 304 |
| 8 | Gland Packing | Flexible Graphite | - |
| 9 | Bonnet | Forged Stainless Steel | ASTM A182 F304 |
| 10 | Disc | Stainless Steel | ASTM A182 F304/ ASTM A276 TYPE 304 |
| 11 | Body Seat Ring | Stainless Steel | ASTM A182 F304/ ASTM A276 TYPE 304 |
| 12 | Body | Forged Stainless Steel | ASTM A182 F304 |
| 13 | Stud Bolts & Nuts | Stainless Steel | ASTM A193 Gr.B8 & ASTM A194 Gr.8 |
| 14 | Gasket | Spiral Wound S.S. 304 Graphoil Filler | - |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | ØW | ØD | E (Min.) |
|-------------------|---------|-----|-----|-----------|----------|
| 15 | 100 | 170 | 90 | 21.8/22.2 | 9.5 |
| 20 | 145 | 235 | 152 | 27.2/27.6 | 12.5 |
| 25 | 145 | 242 | 152 | 33.9/34.3 | 12.5 |
| 32 | 170 | 280 | 152 | 42.7/43.1 | 12.5 |
| 40 | 170 | 287 | 152 | 48.8/49.2 | 12.5 |



AV-308B F.S.S. (F316) Globe Valve, Class-1500

Features

Standard Bore, Bolted Bonnet, O/S & Yoke Type, Rising Stem, Renewable Plug Type Disc, SS 316 Trim
 Socket Welded Ends as per ASME B-16.11
 Product Standard : API-602/EN-15761

Test Pressure

Body : 384 Bar (Hyd.)
 Seat : 281 Bar (Hyd.)
 Testing Standard : BSEN-12266-1

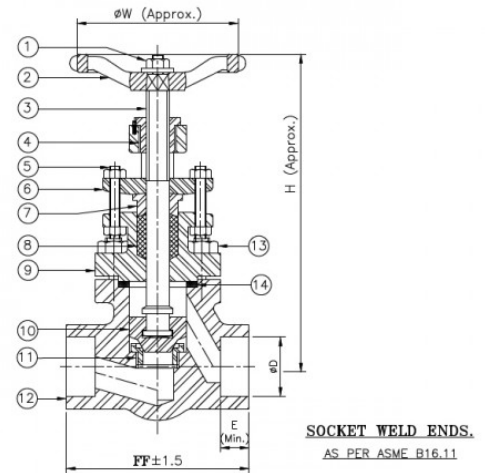
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|-------------------|---------------------------------------|------------------------------------|
| | | F316 | F316 |
| 1 | Nut | S.S. 316 | - |
| 2 | Handwheel | M.I. | ASTM A338 |
| 3 | Stem | Stainless Steel | ASTM A276 TYPE 316 |
| 4 | Yoke Bush | Stainless Steel | ASTM A276 TYPE 316 |
| 5 | Stud Bolts & Nuts | Stainless Steel | ASTM A193 Gr.B8 & ASTM A194 Gr.8 |
| 6 | Gland Flange | Forged Stainless Steel | ASTM A182 F316 |
| 7 | Gland Follower | Stainless Steel | ASTM A276 TYPE 316 |
| 8 | Gland Packing | Flexible Graphite | - |
| 9 | Bonnet | Forged Stainless Steel | ASTM A182 F316 |
| 10 | Disc | Stainless Steel | ASTM A182 F316/ ASTM A276 TYPE 316 |
| 11 | Body Seat Ring | Stainless Steel | ASTM A182 F316/ ASTM A276 TYPE 316 |
| 12 | Body | Forged Stainless Steel | ASTM A182 F316 |
| 13 | Stud Bolts & Nuts | Stainless Steel | ASTM A193 Gr.B8 & ASTM A194 Gr.8 |
| 14 | Gasket | Spiral Wound S.S. 316 Graphoil Filler | - |



Dimensional Data

| Nominal Size (mm) | FF ± 1.5 | H | ϕW | ϕD | E (Min.) |
|-------------------|--------------|-----|----------|-----------|----------|
| 15 | 100 | 170 | 90 | 21.8/22.2 | 9.5 |
| 20 | 145 | 235 | 152 | 27.2/27.6 | 12.5 |
| 25 | 145 | 242 | 152 | 33.9/34.3 | 12.5 |
| 32 | 170 | 280 | 152 | 42.7/43.1 | 12.5 |
| 40 | 170 | 287 | 152 | 48.8/49.2 | 12.5 |



AV-309 F.C.S. (A105) Horizontal Lift Check Valve, Class-1500

Features

Standard Bore, Bolted Cover, Renewable Disc, SS Trim
 Socket Welded Ends as per ASME b-16.11
 Product Standard : API-602/ EN-15761

Test Pressure

Body : 384 Bar (Hyd.)
 Seat : 281 Bar (Hyd.)
 Testing Standard : BSEN-12266-1

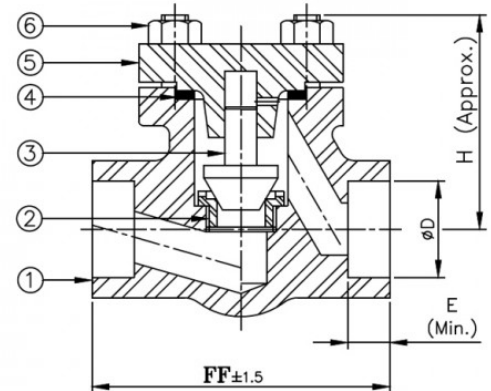
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|-------------------|---------------------------------------|--------------------------------------|
| 1 | Body | Forged Carbon Steel | ASTM A105 |
| 2 | Body Seat Ring | Stainless Steel | ASTM A182Gr. F6a/ ASTM A276 TYPE 410 |
| 3 | Disc | Stainless Steel | ASTM A182Gr. F6a/ ASTM A276 TYPE 410 |
| 4 | Gasket | Spiral Wound S.S. 304 Graphoil Filler | - |
| 5 | Cover | Forged Carbon Steel | ASTM A105 |
| 6 | Stud Bolts & Nuts | Alloy Steel, H.T. Steel | ASTM A193 Gr.B7, ASTM A194 Gr.2H |



SOCKET WELDED ENDS.
 AS PER ASME B16.11

Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | ØD | E (Min.) |
|-------------------|---------|-----|-----------|----------|
| 15 | 100 | 85 | 21.8/22.2 | 9.5 |
| 20 | 145 | 95 | 27.2/27.6 | 12.5 |
| 25 | 145 | 97 | 33.9/34.3 | 12.5 |
| 32 | 170 | 118 | 42.7/43.1 | 12.5 |
| 40 | 170 | 122 | 48.8/49.2 | 12.5 |



AV-309A F.S.S. (F304) Horizontal Lift Check Valve, Class-1500

Features

Standard Bore, Bolted Cover, Renewable Disc, SS 304 Trim
 Socket Welded Ends as per ASME b-16.11
 Product Standard : API-602/ EN-15761

Test Pressure

Body : 384 Bar (Hyd.)
 Seat : 281 Bar (Hyd.)
 Testing Standard : BSEN-12266-1

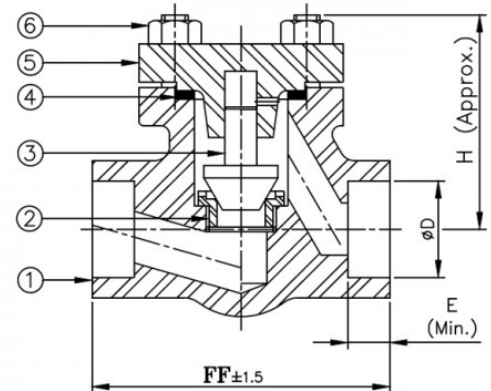
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|-------------------|---------------------------------------|------------------------------------|
| 1 | Body | Forged Stainless Steel | ASTM A182 F304 |
| 2 | Body Seat Ring | Stainless Steel | ASTM A182 F304, ASTM A276 TYPE 304 |
| 3 | Disc | Stainless Steel | ASTM A182 F304, ASTM A276 TYPE 304 |
| 4 | Gasket | Spiral Wound S.S. 304 Graphoil Filler | - |
| 5 | Cover | Forged Stainless Steel | ASTM A182 F304 |
| 6 | Stud Bolts & Nuts | Stainless Steel | ASTM A193 Gr.B8 & ASTM A194 Gr.8 |



SOCKET WELDED ENDS.
 AS PER ASME B16.11

Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | ØD | E (Min.) |
|-------------------|---------|-----|-----------|----------|
| 15 | 100 | 85 | 21.8/22.2 | 9.5 |
| 20 | 145 | 95 | 27.2/27.6 | 12.5 |
| 25 | 145 | 97 | 33.9/34.3 | 12.5 |
| 32 | 170 | 118 | 42.7/43.1 | 12.5 |
| 40 | 170 | 122 | 48.8/49.2 | 12.5 |



AV-309B F.S.S. (F316) Horizontal Lift Check Valve, Class-1500

Features

Standard Bore, Bolted Cover, Renewable Disc, SS 316 Trim
 Socket Welded Ends as per ASME b-16.11
 Product Standard : API-602/ EN-15761

Test Pressure

Body : 384 Bar (Hyd.)
 Seat : 281 Bar (Hyd.)
 Testing Standard : BSEN-12266-1

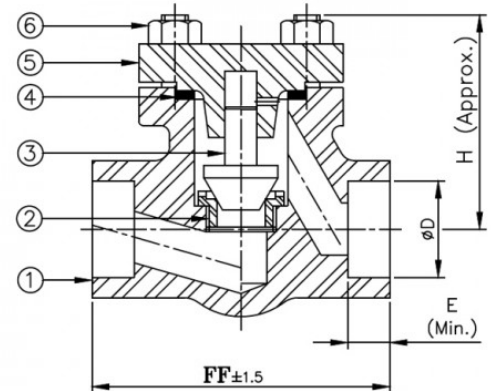
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|-------------------|---------------------------------------|------------------------------------|
| 1 | Body | Forged Stainless Steel | ASTM A182 F316 |
| 2 | Body Seat Ring | Stainless Steel | ASTM A182 F316, ASTM A276 TYPE 316 |
| 3 | Disc | Stainless Steel | ASTM A182 F316, ASTM A276 TYPE 316 |
| 4 | Gasket | Spiral Wound S.S. 316 Graphoil Filler | - |
| 5 | Cover | Forged Stainless Steel | ASTM A182 F316 |
| 6 | Stud Bolts & Nuts | Stainless Steel | ASTM A193 Gr.B8 & ASTM A194 Gr.8 |



SOCKET WELDED ENDS.
 AS PER ASME B16.11

Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | ØD | E (Min.) |
|-------------------|---------|-----|-----------|----------|
| 15 | 100 | 85 | 21.8/22.2 | 9.5 |
| 20 | 145 | 95 | 27.2/27.6 | 12.5 |
| 25 | 145 | 97 | 33.9/34.3 | 12.5 |
| 32 | 170 | 118 | 42.7/43.1 | 12.5 |
| 40 | 170 | 122 | 48.8/49.2 | 12.5 |



AV-310 F.C.S. (A105) Needle Valve (Regulating Valve), Class-800

Features

Reduced Bore, Bolted Bonnet, O/S & Yoke Type, Rising Stem, Renewable Seat, Renewable Needle Type Disc, SS Trim
 Socket Welded Ends as per ASME B-16.11
 Product Standard: API-602/EN-15761

Test Pressure

Body : 207 Bar (Hyd.)
 Seat : 152 Bar (Hyd.)
 Testing Standard : BSEN-12266-1

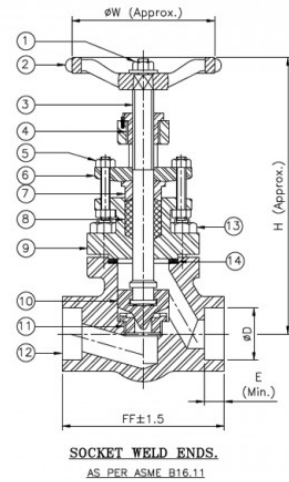
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|-------------------|---------------------------------------|--|
| 1 | Nut | Carbon Steel | - |
| 2 | Handwheel | M.I. | ASTM A338 |
| 3 | Stem | Stainless Steel | ASTM A276 TYPE 410 |
| 4 | Yoke Sleeve | Stainless Steel | ASTM A276 TYPE 410, ASTM A582 TYPE 416 |
| 5 | Stud Bolts & Nuts | Alloy Steel, H.T. Steel | ASTM A193 Gr.B7, ASTM A194 Gr.2H |
| 6 | Gland Flange | Forged Carbon Steel | ASTM A105 |
| 7 | Gland Follower | Stainless Steel | ASTM A276 TYPE 410 |
| 8 | Gland Packing | Flexible Graphite | - |
| 9 | Bonnet | Forged Carbon Steel | ASTM A105 |
| 10 | Disc | Stainless Steel | ASTM A182Gr. F6a, ASTM A276 TYPE 410 |
| 11 | Body Seat Ring | Stainless Steel | ASTM A182Gr. F6a, ASTM A276 TYPE 410 |
| 12 | Body | Forged Carbon Steel | ASTM A105 |
| 13 | Stud Bolts & Nuts | Alloy Steel, H.T. Steel | ASTM A193 Gr.B7, ASTM A194 Gr.2H |
| 14 | Gasket | Spiral Wound S.S. 304 Graphoil Filler | - |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | ØW | ØD | E (Min.) |
|-------------------|---------|-----|-----|-----------|----------|
| 10 | 80 | 140 | 80 | 17.6/18.0 | 9.5 |
| 15 | 80 | 153 | 80 | 21.8/22.2 | 9.5 |
| 20 | 88 | 157 | 80 | 27.2/27.6 | 12.5 |
| 25 | 100 | 176 | 90 | 33.9/34.3 | 12.5 |
| 32 | 145 | 240 | 152 | 42.7/43.1 | 12.5 |
| 40 | 145 | 240 | 152 | 48.8/49.2 | 12.5 |
| 50 | 170 | 275 | 152 | 61.2/61.7 | 16 |



AV-310A F.S.S. (F304) Needle Valve (Regulating Valve), Class-800

Features

Reduced Bore, Bolted Bonnet, O/S & Yoke Type, Rising Stem, Renewable Seat, Renewable Needle Type Disc, SS 304 Trim
 Socket Welded Ends as per ASME B-16.11
 Product Standard: API-602/EN-15761

Test Pressure

Body : 207 Bar (Hyd.)
 Seat : 152 Bar (Hyd.)
 Testing Standard : BSEN-12266-1

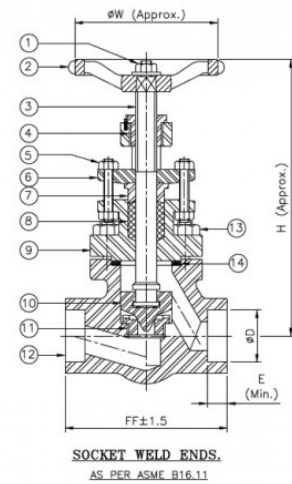
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|-------------------|---------------------------------------|------------------------------------|
| 1 | Nut | Stainless Steel. 304 | - |
| 2 | Handwheel | M.I. | ASTM A338 |
| 3 | Stem | Stainless Steel | ASTM A276 TYPE 304 |
| 4 | Yoke Sleeve | Stainless Steel | ASTM A276 TYPE 304 |
| 5 | Stud Bolts & Nuts | Stainless Steel | ASTM A193 Gr.B8 & ASTM A194 Gr. 8 |
| 6 | Gland Flange | Forged Stainless Steel | ASTM A182 F304 |
| 7 | Gland Follower | Stainless Steel | ASTM A276 TYPE 304 |
| 8 | Gland Packing | Flexible Graphite | - |
| 9 | Bonnet | Forged Stainless Steel | ASTM A182 F304 |
| 10 | Disc | Stainless Steel | ASTM A182 F304, ASTM A276 TYPE 304 |
| 11 | Body Seat Ring | Stainless Steel | ASTM A182 F304, ASTM A276 TYPE 304 |
| 12 | Body | Forged Stainless Steel | ASTM A182 F304 |
| 13 | Stud Bolts & Nuts | Stainless Steel | ASTM A193 Gr.B8 & ASTM A194 Gr. 8 |
| 14 | Gasket | Spiral Wound S.S. 304 Graphoil Filler | - |



Dimensional Data

| Nominal Size (mm) | FF ± 1.5 | H | ØW | ØD | E (Min.) |
|-------------------|----------|-----|-----|-----------|----------|
| 10 | 80 | 140 | 80 | 17.6/18.0 | 9.5 |
| 15 | 80 | 153 | 80 | 21.8/22.2 | 9.5 |
| 20 | 88 | 157 | 80 | 27.2/27.6 | 12.5 |
| 25 | 100 | 176 | 90 | 33.9/34.3 | 12.5 |
| 32 | 145 | 240 | 152 | 42.7/43.1 | 12.5 |
| 40 | 145 | 240 | 152 | 48.8/49.2 | 12.5 |
| 50 | 170 | 275 | 152 | 61.2/61.7 | 16 |



AV-310B F.S.S. (F316) Needle Valve (Regulating Valve), Class-800

Features

Reduced Bore, Bolted Bonnet, O/S & Yoke Type, Rising Stem, Renewable Seat, Renewable Needle Type Disc, SS 316 Trim
 Socket Welded Ends as per ASME B-16.11
 Product Standard: API-602/EN-15761

Test Pressure

Body : 207 Bar (Hyd.)
 Seat : 152 Bar (Hyd.)
 Testing Standard : BSEN-12266-1

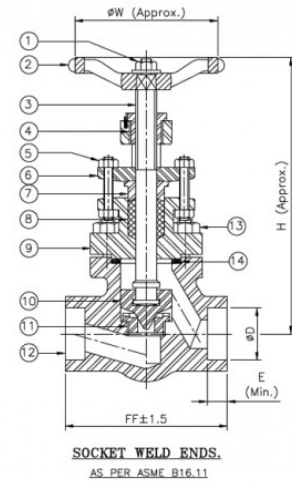
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|-------------------|---------------------------------------|------------------------------------|
| 1 | Nut | Stainless Steel. 316 | - |
| 2 | Handwheel | M.I. | ASTM A338 |
| 3 | Stem | Stainless Steel | ASTM A276 TYPE 316 |
| 4 | Yoke Sleeve | Stainless Steel | ASTM A276 TYPE 316 |
| 5 | Stud Bolts & Nuts | Stainless Steel | ASTM A193 Gr.B8 & ASTM A194 Gr. 8 |
| 6 | Gland Flange | Forged Stainless Steel | ASTM A182 F316 |
| 7 | Gland Follower | Stainless Steel | ASTM A276 TYPE 316 |
| 8 | Gland Packing | Flexible Graphite | - |
| 9 | Bonnet | Forged Stainless Steel | ASTM A182 F316 |
| 10 | Disc | Stainless Steel | ASTM A182 F316, ASTM A276 TYPE 316 |
| 11 | Body Seat Ring | Stainless Steel | ASTM A182 F316, ASTM A276 TYPE 316 |
| 12 | Body | Forged Stainless Steel | ASTM A182 F316 |
| 13 | Stud Bolts & Nuts | Stainless Steel | ASTM A193 Gr.B8 & ASTM A194 Gr. 8 |
| 14 | Gasket | Spiral Wound S.S. 316 Graphoil Filler | - |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | ØW | ØD | E (Min.) |
|-------------------|---------|-----|-----|-----------|----------|
| 10 | 80 | 140 | 80 | 17.6/18.0 | 9.5 |
| 15 | 80 | 153 | 80 | 21.8/22.2 | 9.5 |
| 20 | 88 | 157 | 80 | 27.2/27.6 | 12.5 |
| 25 | 100 | 176 | 90 | 33.9/34.3 | 12.5 |
| 32 | 145 | 240 | 152 | 42.7/43.1 | 12.5 |
| 40 | 145 | 240 | 152 | 48.8/49.2 | 12.5 |
| 50 | 170 | 275 | 152 | 61.2/61.7 | 16 |



AV-311 F.S.S. Needle Valve (Regulating Valve), Class-800

Features

One Piece Design, Reduced Bore, Renewable Needle Type Disc, SS Trim, Screwed Female NPT Threads as per ASME B1.20.1
Product Standard: API-602

Test Pressure

Body - 207 Bar (Hyd.)
Seat - 152 Bar (Hyd.)
Testing Standard : API-598

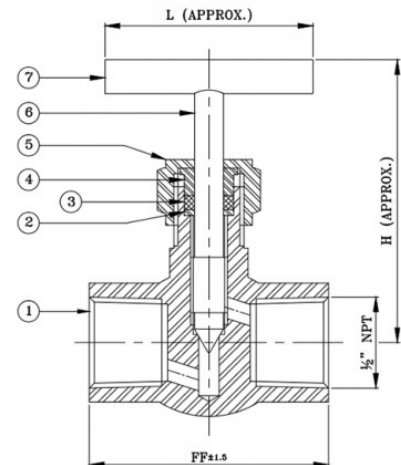
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|---------------|-----------------|--------------------|
| 1 | Body | F.S.S | ASTM A182 Gr. F304 |
| 2 | Washer | Stainless Steel | ASTM A276 TYPE 304 |
| 3 | Gland Packing | To Suit | - |
| 4 | Gland | Stainless Steel | ASTM A276 TYPE 304 |
| 5 | Gland Nut | Stainless Steel | ASTM A276 TYPE 304 |
| 6 | Stem | Stainless Steel | ASTM A276 TYPE 304 |
| 7 | Handle | Stainless Steel | ASTM A276 TYPE 304 |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | L |
|-------------------|---------|----|----|
| 15 | 58 | 75 | 55 |



AV-312 F.C.S. (A105) Gate Valve, Flanged Ends, Class-600

Features

Standard Bore, Bolted Bonnet, O/S & Yoke Type, Rising Stem, Renewable Seat, SS Trim
 Flanges as per ASME B 16.5 CL-600 R.F. (Drilled)
 Product Standard: API-602/EN-15761

Test Pressure

Body : 153 Bar (Hyd.)
 Seat : 112 Bar (Hyd.)
 Testing Standard : API-598/ BSEN-12266-1

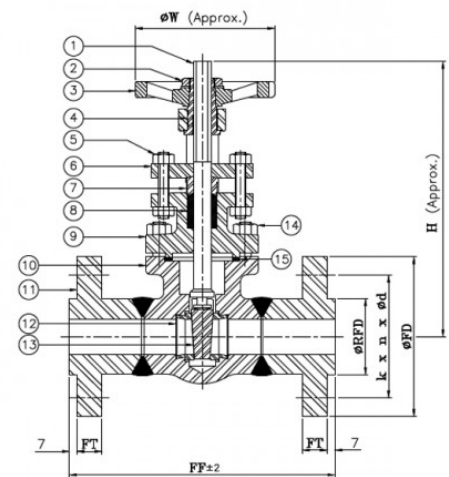
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|-------------------------|--------------------------------|-------------------------------------|
| 1 | Stem | Stainless Steel | ASTM A276 TYPE 410 |
| 2 | Handwheel Retaining Nut | Steel | - |
| 3 | Handwheel | MI / Cast Iron | ASTM A338 IS 210 Gr. FG200 |
| 4 | Yoke Bush | Stainless Steel | ASTM A582 TYPE 416 |
| 5 | Stud Bolts / Nuts | Alloy Steel / H.T. Steel | ASTM A193 Gr. B7 & ASTM A194 Gr. 2H |
| 6 | Gland Flange | Forged Carbon Steel | ASTM A105 |
| 7 | Gland Follower | Stainless Steel | ASTM A276 TYPE 410 |
| 8 | Gland Packing | To Suit Service Conditions | - |
| 9 | Bonnet | Forged Carbon Steel | ASTM A105 |
| 10 | Body | Forged Carbon Steel | ASTM A105 |
| 11 | Welded on Flanges | Forged Carbon Steel | ASTM A105 |
| 12 | Body Seat Ring | Stainless Steel | ASTM A182 Gr. F6a / SS 410 |
| 13 | Wedge | Stainless Steel | ASTM A182 Gr. F6a / SS 410 |
| 14 | Studs and Nuts | Alloy Steel / H.T. Steel | ASTM A193 Gr. B7 & ASTM A194 Gr. 2H |
| 15 | Gasket | Spiral Wound S.S. 304 Graphoil | - |



Dimensional Data

| Nominal Size (mm) | FF ±2 | H | ØW | ØFD | FT | ØRFD | k | n | Ød |
|-------------------|-------|-----|-----|-----|------|------|-------|---|------|
| 15 | 165 | 132 | 80 | 95 | 14.3 | 34.9 | 66.7 | 4 | 15.9 |
| 20 | 190 | 175 | 90 | 115 | 15.9 | 42.9 | 82.6 | 4 | 19.1 |
| 25 | 216 | 175 | 90 | 125 | 17.5 | 50.8 | 88.9 | 4 | 19.1 |
| 32 | 229 | 215 | 152 | 135 | 20.7 | 63.5 | 98.4 | 4 | 19.1 |
| 40 | 241 | 215 | 152 | 155 | 22.3 | 73 | 114.3 | 4 | 22.3 |
| 50 | 292 | 245 | 152 | 165 | 25.4 | 92.1 | 127 | 8 | 19.1 |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



AV-313 F.C.S. Globe Valve, Flanged Ends, Class-600

Features

Standard Bore, Bolted Bonnet, O/S & Yoke Type, Rising Stem, Renewable Seat, Renewable Plug Type Disc, SS Trim
 Flanges as per ASME B 16.5 CL-600 R.F. (Drilled)
 Product Standard: API-602/EN-15761

Test Pressure

Body : 153 Bar (Hyd.)
 Seat : 112 Bar (Hyd.)
 Testing Standard : API-598/ BSEN-12266-1

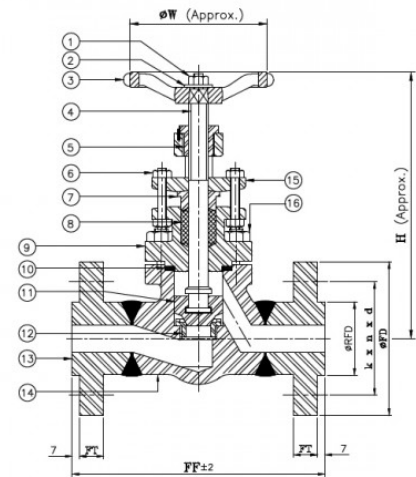
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|-------------------|-----------------------------------|-------------------------------------|
| 1 | Nut | Carbon Steel | - |
| 2 | Washer | Carbon Steel | - |
| 3 | Handwheel | M.I. / D.I./ C.S. | - |
| 4 | Stem | Stainless Steel | ASTM A276 TYPE 410 |
| 5 | Yoke Bush | Stainless Steel | ASTM A582 TYPE 416 |
| 6 | Stud Bolts & Nut | Alloy Steel / H.T Steel | ASTM A193 Gr. B7 & ASTM A194 Gr. 2H |
| 7 | Gland Follower | Stainless Steel | ASTM A276 TYPE 410 |
| 8 | Gland Packing | To Suit Service Conditions | - |
| 9 | Bonnet | Forged Carbon Steel | ASTM A105 |
| 10 | Gasket | Spiral Wound SS 304 Graphoil | - |
| 11 | Disc | Stainless Steel | ASTM A182 Gr. F6a / AISI-410 |
| 12 | Body Seat Ring | Stainless Steel | ASTM A182 Gr. F6a /AISI-410 |
| 13 | Welded on Flanges | Forged Carbon Steel | ASTM A105 |
| 14 | Body | Forged Carbon Steel | ASTM A105 |
| 15 | Gland Flange | Forged Carbon Steel/ Carbon Steel | ASTM A105/ - |
| 16 | Studs and Nuts | Alloy Steel / H.T. Steel | ASTM A193 Gr. B7 & ASTM A194 Gr. 2H |



Dimensional Data

| Nominal Size (mm) | FF ±2 | H | ØW | ØFD | FT | ØRFD | k | n | Ød |
|-------------------|-------|-----|-----|-----|------|------|-------|---|------|
| 15 | 165 | 153 | 80 | 95 | 14.3 | 34.9 | 66.7 | 4 | 15.9 |
| 20 | 190 | 157 | 80 | 115 | 15.9 | 42.9 | 82.6 | 4 | 19.1 |
| 25 | 216 | 176 | 90 | 125 | 17.5 | 50.8 | 88.9 | 4 | 19.1 |
| 32 | 229 | 240 | 152 | 135 | 20.7 | 63.5 | 98.4 | 4 | 19.1 |
| 40 | 241 | 240 | 152 | 155 | 22.3 | 73 | 114.3 | 4 | 22.3 |
| 50 | 292 | 275 | 152 | 165 | 25.4 | 92.1 | 127 | 8 | 19.1 |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



AV-314 F.C.S. Horizontal Lift Check Valve, Flanged, Class-600

Features

Standard Bore, Bolted Cover, Renewable Seat & Disc, SS Trim
 Flanges as per ASME B 16.5 CL-600 R.F. (Drilled)
 Product Standard: API-602/EN-15761

Test Pressure

Body : 153 Bar (Hyd.)
 Seat : 112 Bar (Hyd.)
 Testing Standard : API-598/ BSEN-12266-1

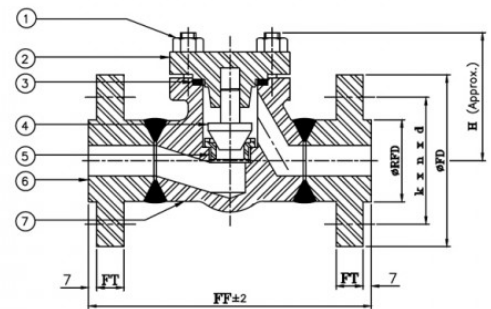
Suitability

Water, Steam, Oil



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|-------------------|---------------------------------------|--------------------------------------|
| 1 | Studs and Nuts | Alloy Steel / H.T. Steel | ASTM A193 Gr.B7 / ASTM A194 Gr.2H |
| 2 | Cover | Forged Carbon Steel | ASTM A105 |
| 3 | Gasket | Sprial Wound S.S. 304 Graphoil Filled | - |
| 4 | Disc | Stainless Steel | ASTM A182 Gr. F6a/ASTM A276 Type 410 |
| 5 | Body Seat Ring | Stainless Steel | ASTM A182 Gr. F6a/ASTM A276 Type 410 |
| 6 | Welded on Flanges | Forged Carbon Steel | ASTM A105 |
| 7 | Body | Forged Carbon Steel | ASTM A105 |



Dimensional Data

| Nominal Size (mm) | FF ±2 | ØFD | FT | ØRFD | H | k | n | Ød |
|-------------------|-------|-----|------|------|-----|-------|---|------|
| 15 | 165 | 95 | 14.3 | 34.9 | 62 | 66.7 | 4 | 15.9 |
| 20 | 190 | 115 | 15.9 | 42.9 | 75 | 82.6 | 4 | 19.1 |
| 25 | 216 | 125 | 17.5 | 50.8 | 98 | 88.9 | 4 | 19.1 |
| 32 | 229 | 135 | 20.7 | 63.5 | 98 | 98.4 | 4 | 19.1 |
| 40 | 241 | 155 | 22.3 | 73 | 120 | 114.3 | 4 | 22.2 |
| 50 | 292 | 165 | 25.4 | 92.1 | 150 | 127 | 8 | 19.1 |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



FV-501 Gun Metal Ball Valve, PN-20

Features

Two Piece Design, Full Bore, Lever Operated (Blow Out Proof Stem), Renewable Seat, SS Trim
Screwed Female BSP Parallel Threads (BS-21)

Test Pressure

Body - 500 Psi g (Hyd.)

Seat - 250 Psi g (Hyd.), 150 Psi g (Steam)

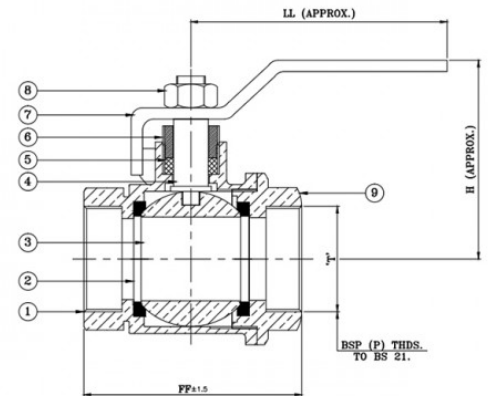
Suitability

Water, Steam, Oil, Air



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|----------------|------------------------------|----------------------|
| 1 | Body | Gun Metal | BSEN 1982 Gr. CC491K |
| 2 | Seat | PTFE | - |
| 3 | Ball | Stainless Steel | AISI 304 |
| 4 | Stem | Stainless Steel | AISI 304 |
| 5 | Packing | PTFE | - |
| 6 | Gland | Gun Metal | BSEN 1982 Gr. CC491K |
| 7 | Lever | Carbon Steel (PVC Coated) | |
| 8 | Lever Nut | Stainless Steel | AISI 410 |
| 9 | Body Connector | Gun Metal | BSEN 1982 Gr. CC491K |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | LL | T |
|-------------------|---------|-----|-----|--------|
| 15 | 60 | 65 | 100 | 1/2" |
| 20 | 68 | 65 | 115 | 3/4" |
| 25 | 74 | 74 | 130 | 1" |
| 32 | 86 | 87 | 150 | 1.1/4" |
| 40 | 98 | 105 | 175 | 1.1/2" |
| 50 | 118 | 110 | 205 | 2" |
| 65 | 146 | 160 | 325 | 2.1/2" |
| 80 | 159 | 190 | 380 | 3" |
| 100 | 202 | 205 | 380 | 4" |



FV-502 Gun Metal Ball Valve, PN-16

Features

Two Piece Design, Lever Operated (Blow Out Proof Stem), Renewable Seat, SS Trim
Flanged End to BS-10 Table 'D' (Undrilled)

Test Pressure

Body - 348 Psi g (Hyd.)

Seat - 255 Psi g (Hyd.), 150 Psi g (Steam)

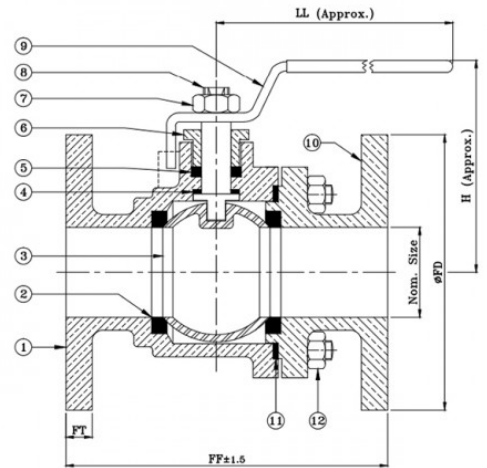
Suitability

Water, Steam, Oil, Air



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|----------------------|-----------------|--------------------------|
| 1 | Body | Gun Metal | BSEN 1982 Gr. CC491K |
| 2 | Seat | PTFE | - |
| 3 | Ball | Stainless Steel | ASTM A351 Gr. CF8 |
| 4 | Stem Seal | PTFE | - |
| 5 | Packing Ring | PTFE | - |
| 6 | Gland Nut | Gun Metal | BSEN 1982 Gr. CC491K |
| 7 | Nut | Carbon Steel | - |
| 8 | Stem | Stainless Steel | ASTM A276 TYPE 410 / 304 |
| 9 | Lever | Carbon Steel | (With Plastic Sleeve) |
| 10 | Body Connector | Gun Metal | BSEN 1982 Gr. CC491K |
| 11 | Gasket | PTFE | - |
| 12 | Studs / Bolts & Nuts | Carbon Steel | - |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | LL | H | ØFD | FT |
|-------------------|---------|-----|-----|-------|------|
| 15 | 76 | 110 | 60 | 95.3 | 6.4 |
| 20 | 90 | 130 | 60 | 101.6 | 6.4 |
| 25 | 102 | 130 | 70 | 114.3 | 7.9 |
| 32 | 117 | 150 | 92 | 120.7 | 7.9 |
| 40 | 130 | 166 | 107 | 133.4 | 9.5 |
| 50 | 159 | 215 | 117 | 152.4 | 9.5 |
| 65 | 170 | 285 | 120 | 165.1 | 11.1 |
| 80 | 185 | 323 | 135 | 184.2 | 12.7 |
| 100 | 219 | 370 | 165 | 215.9 | 15.9 |
| 125 | 266 | 400 | 200 | 254 | 17.5 |



FV-503 Cast Iron Ball Valve, Class-125

Features

Two Piece Design, Lever Operated (Blow Out Proof Stem), Renewable Seat, SS Trim
Screwed Female Parallel Threads as per IS-554
Product Standard : IS-9890

Test Pressure

Body - 300 Psi g (Hyd.)
Seat - 220 Psi g (Hyd.)

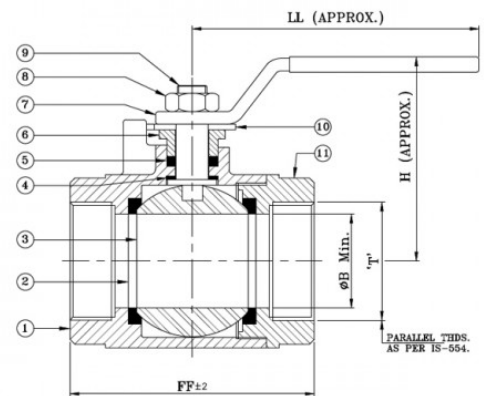
Suitability

Water, Steam, Oil, Air



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|----------------|------------------------------------|---|
| 1 | Body | Cast Iron | IS 210 Gr. FG200 |
| 2 | Seat | PTFE | - |
| 3 | Ball | Stainless Steel | ASTM A351 Gr. CF8 |
| 4 | Stem Seal | PTFE | - |
| 5 | Packing | PTFE | - |
| 6 | Gland | Stainless Steel | ASTM A276 TYPE 410 |
| 7 | Lever | Carbon Steel (With Plastic Sleeve) | - |
| 8 | Lever Nut | Carbon Steel | - |
| 9 | Stem | Stainless Steel | ASTM A276 TYPE 410 / ASTM A276 TYPE 304 |
| 10 | Stopper | Carbon Steel | - |
| 11 | Body Connector | Cast Iron | IS 210 Gr. FG200 |



Dimensional Data

| Nominal Size (mm) | FF ±2 | H | LL | T |
|-------------------|-------|-----|-----|--------|
| 15 | 72 | 80 | 115 | 1/2" |
| 20 | 79 | 87 | 135 | 3/4" |
| 25 | 97 | 92 | 165 | 1" |
| 32 | 106 | 98 | 180 | 1/14" |
| 40 | 119 | 103 | 205 | 1.1/2" |
| 50 | 136 | 110 | 205 | 2" |
| 65 | 152 | 130 | 325 | 2.1/2" |
| 80 | 189 | 140 | 325 | 3" |
| 100 | 219 | 170 | 370 | 4" |



FV-504 Cast Iron Ball Valve, Flanged Ends

Features

Three Piece Design, Lever Operated (Blow Out Proof Stem), Renewable Seat, SS Trim
Flanged End to BS-10 Table 'F' (Undrilled)

Test Pressure

Body - 300 Psi g (Hyd.)

Seat - 200 Psi g (Hyd.)

Seat - 150 Psi g (Steam)

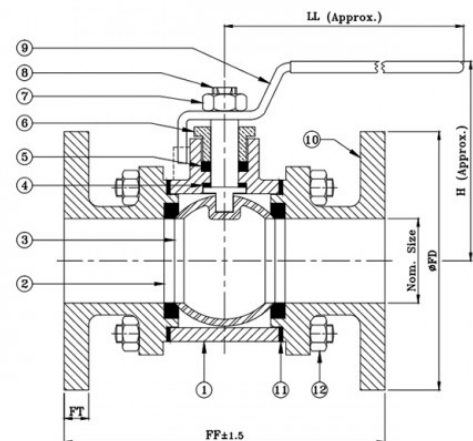
Suitability

Water, Steam, Oil, Air



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|----------------------|-----------------|---|
| 1 | Body | Cast Iron | IS 210 Gr. FG220 |
| 2 | Seat Ring | PTFE | - |
| 3 | Ball | Stainless Steel | ASTM A351 Gr. CF8 |
| 4 | Stem Seal | PTFE | - |
| 5 | Packing Ring | PTFE | - |
| 6 | Gland Nut | Gun Metal | BSEN 1982 Gr. CC491K |
| 7 | Nut | Carbon Steel | - |
| 8 | Stem | Stainless Steel | ASTM A276 TYPE 410 / ASTM A276 TYPE 304 |
| 9 | Lever | Carbon Steel | (With Plastic Sleeve) |
| 10 | Body Connector | Cast Iron | IS 210 Gr. FG 220 |
| 11 | Gasket | PTFE | - |
| 12 | Studs / Bolts & Nuts | Carbon Steel | - |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | LL | H | ØFD | FT |
|-------------------|---------|-----|-----|-------|------|
| 15 | 129 | 120 | 70 | 95.3 | 12.7 |
| 20 | 129 | 120 | 70 | 101.6 | 12.7 |
| 25 | 151 | 125 | 82 | 120.7 | 12.7 |
| 32 | 161 | 155 | 82 | 133.4 | 15.9 |
| 40 | 173 | 172 | 105 | 139.7 | 15.9 |
| 50 | 207 | 216 | 117 | 165.1 | 19.1 |
| 65 | 218 | 321 | 140 | 184.2 | 19.1 |
| 80 | 247 | 321 | 147 | 203.2 | 19.1 |
| 100 | 283 | 368 | 166 | 228.6 | 22.3 |
| 150 | 394 | 570 | - | 304.8 | 25.4 |
| 200 | 460 | 740 | - | 368.3 | 28.6 |



FV-505 Forged Brass Ball Valve, PN-25

Features

Two Piece Design, Lever Operated (Blow Out Proof Stem), Renewable Seat
Screwed Female BSP Parallel Threads (BS-21)

Test Pressure

Body - 550 Psi g (Hyd.)

Seat - 400 Psi g (Hyd.), 100 Psi g (Steam)

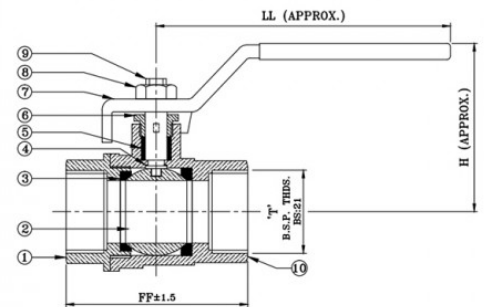
Suitability

Water, Gas, Oil, Air



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|----------------|--------------|-------------------------|
| 1 | Body Connector | Forged Brass | IS 6912 Gr FLB |
| 2 | Ball | Forged Brass | IS 6912 Gr FLB |
| 3 | Seat | PTFE | - |
| 4 | Gasket | PTFE | - |
| 5 | Packing Ring | PTFE | - |
| 6 | Gland | Brass | IS 6912 Gr. FLB / FHTB1 |
| 7 | Lever | Carbon Steel | - |
| 8 | Locking Nut | Brass | IS 6912 Gr. FLB / FHTB1 |
| 9 | Stem | Brass | IS 6912 Gr. FLB / FHTB1 |
| 10 | Body | Forged Brass | IS 6912 Gr. FLB |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | LL | T | H |
|-------------------|---------|-----|--------|-----|
| 15 | 50 | 96 | 1/2" | 54 |
| 20 | 58 | 102 | 3/4" | 52 |
| 25 | 63 | 102 | 1" | 54 |
| 32 | 80 | 168 | 1.1/4" | 79 |
| 40 | 90 | 117 | 1.1/2" | 82 |
| 50 | 103 | 157 | 2" | 83 |
| 65 | 135 | 217 | 2.1/2" | 125 |
| 80 | 150 | 225 | 3" | 125 |
| 100 | 180 | 225 | 4" | 150 |



FV-506 Gun Metal Ball Valve with Strainer Screwed Ends, PN-20

Features

Full Bore, Two Piece Design, Renewable Seat, SS Trim, Mix End
Inlet Screwed Female & Outlet Screwed Male BSP Parallel Threads (BS-21)

Test Pressure

Body - 500 Psi g (Hyd.)
Seat - 250 Psi g (Hyd.) 100 Psi g (Air)

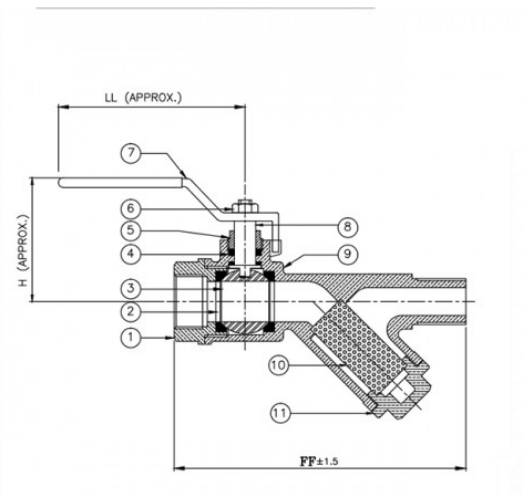
Suitability

Water, Steam, Oil, Air



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------------|----------------------|-----------------------|
| 1 | Body Connector | Gun Metal | BSEN 1982 Gr. CC 491K |
| 2 | Seat | PTFE | |
| 3 | Ball | Stainless Steel | AISI 304 |
| 4 | Gland Packing Ring | PTFE | - |
| 5 | Gland | Gun Metal | BSEN 1982 Gr. CC 491K |
| 6 | Lever Nut | Brass / Carbon Steel | - |
| 7 | Lever | Steel | With PVC Sleeve |
| 8 | Stem | Stainless Steel | AISI 304 |
| 9 | Body | Gun Metal | BSEN 1982 Gr. CC 491K |
| 10 | Screen | Stainless Steel | Type 304 |
| 11 | Plug | Gun Metal | BSEN 1982 Gr. CC 491K |



Dimensional Data

| Nominal Size (mm) | T | FF ±1.5 | H | LL |
|-------------------|--------|---------|-----|-----|
| 15 | 1/2" | 131 | 60 | 94 |
| 20 | 3/4" | 144 | 67 | 130 |
| 25 | 1" | 194 | 72 | 137 |
| 32 | 1/1/4" | 198 | 72 | 152 |
| 40 | 1/1/2" | 214 | 87 | 170 |
| 50 | 2" | 248 | 105 | 195 |



FV-507 C.S.S. Investment Casting Ball Valve

Features

Two Piece Design, Full Bore, Renewable Seat, SS 304 Trim
Screwed Female Ends to BSP/BSPT/NPT/ Socket welded ends to ASME B16.11

Test Pressure

Seat - 700 Psi g (Hyd.)
Seat - 150 Psi g (Steam)

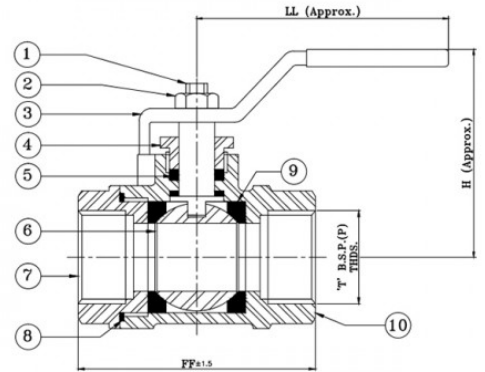
Suitability

Water, Steam, Gas, Oil, Air



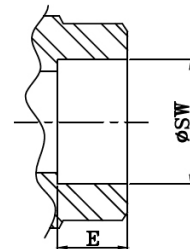
Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|----------------|-----------------------|-------------------|
| 1 | Stem | Stainless Steel | AISI 304 |
| 2 | Locking Nut | Stainless Steel | AISI 304 |
| 3 | Lever | Stainless Steel Sheet | PVC COATED |
| 4 | Gland | Stainless Steel | AISI 304 |
| 5 | Packing Ring | PTFE | - |
| 6 | Ball | C.S.S | ASTM A351 Gr. CF8 |
| 7 | Body Connector | C.S.S | ASTM A351 Gr. CF8 |
| 8 | Gasket | PTFE | - |
| 9 | Seat | PTFE | - |
| 10 | Body | C.S.S | ASTM A351 Gr. CF8 |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | LL | T | ØSW | E (Min.) |
|-------------------|---------|-----|-----|--------|-----------|----------|
| 8 | 60 | 50 | 100 | 1/4" | 14.6/14.2 | 9.5 |
| 10 | 60 | 50 | 100 | 3/8" | 18.0/17.6 | 9.5 |
| 15 | 62 | 50 | 125 | 1/2" | 22.2/21.8 | 9.5 |
| 20 | 75 | 60 | 115 | 3/4" | 27.6/27.6 | 12.5 |
| 25 | 85 | 60 | 135 | 1" | 34.3/33.9 | 12.5 |
| 32 | 95 | 75 | 170 | 1.1/4" | 43.1/42.7 | 12.5 |
| 40 | 105 | 95 | 220 | 1.1/2" | 49.2/48.8 | 12.5 |
| 50 | 125 | 100 | 260 | 2" | 61.7/61.2 | 16.0 |



**SOCKET WELDED ENDS.
AS PER ASME B16.11**



FV-508 C.S.S. Investment Casting Ball Valve

Features

Two Piece Design, Full Bore, Renewable Seat, SS 316 Trim
Screwed Female Ends to BSP/BSPT/NPT/Socket welded ends to ASME B16.11

Test Pressure

Seat - 700 Psi g (Hyd.)
Seat - 150 Psi g (Steam)

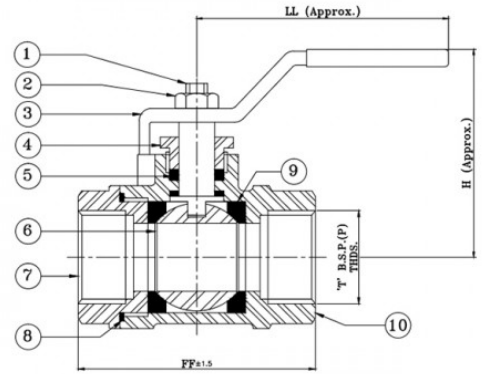
Suitability

Water, Steam, Gas, Oil, Air



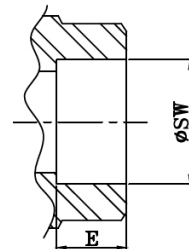
Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|----------------|-----------------------|--------------------|
| 1 | Stem | Stainless Steel | AISI 316 |
| 2 | Locking Nut | Stainless Steel | AISI 316 |
| 3 | Lever | Stainless Steel Sheet | PVC COATED |
| 4 | Gland | Stainless Steel | AISI 316 |
| 5 | Packing Ring | PTFE | - |
| 6 | Ball | C.S.S | ASTM A351 Gr. CF8M |
| 7 | Body Connector | C.S.S | ASTM A351 Gr. CF8M |
| 8 | Gasket | PTFE | - |
| 9 | Seat | PTFE | - |
| 10 | Body | C.S.S | ASTM A351 Gr. CF8M |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | LL | T | ØSW | E (Min.) |
|-------------------|---------|-----|-----|--------|-----------|----------|
| 8 | 60 | 50 | 100 | 1/4" | 14.6/14.2 | 9.5 |
| 10 | 60 | 50 | 100 | 3/8" | 18.0/17.6 | 9.5 |
| 15 | 62 | 50 | 125 | 1/2" | 22.2/21.8 | 9.5 |
| 20 | 75 | 60 | 115 | 3/4" | 27.6/27.6 | 12.5 |
| 25 | 85 | 60 | 135 | 1" | 34.3/33.9 | 12.5 |
| 32 | 95 | 75 | 170 | 1.1/4" | 43.1/42.7 | 12.5 |
| 40 | 105 | 95 | 220 | 1.1/2" | 49.2/48.8 | 12.5 |
| 50 | 125 | 100 | 260 | 2" | 61.7/61.2 | 16.0 |



**SOCKET WELDED ENDS.
AS PER ASME B16.11**



FV-509 C.S.S. Investment Casting Ball Valve, Class-150

Features

Two Piece Design, Full Bore, Lever Operated (Blow Out Proof Stem), Renewable Seat, SS Trim
Flanges as per ANSI B16.5 Class-150 (Drilled)
Product Specification : BS-17292/ API-6D

Test Pressure

Body - 30 Bar (Hyd.)

Seat - 22 Bar (Hyd.)

Testing Standard : API-598/ BSEN-12266-1

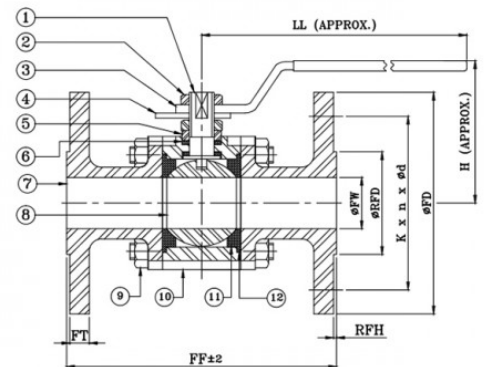
Suitability

Water, Steam, Gas, Oil, Air



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|-----------------------------|--------------------------|--|
| 1 | Stem | Stainless Steel | ASTM A276 TYPE 316 |
| 2 | Nut | Stainless Steel | ASTM A276 TYPE 316 |
| 3 | Lever (With Plastic Sleeve) | Carbon Steel | - |
| 4 | Stopper | Carbon Steel | - |
| 5 | Gland | Stainless Steel | ASTM A276 TYPE 316 |
| 6 | Packing Ring | PTFE | - |
| 7 | Body Connector | C.Stainless Steel | ASTM A351 Gr. CF8M |
| 8 | Ball | Stainless Steel | ASTM A351 Gr. CF8M |
| 9 | Stud / Bolts & Nuts | Alloy Steel / H.T. Steel | ASTM A193 Gr. B7 / B8 / ASTM A194 Gr. 2H/8 |
| 10 | Body | C.Stainless Steel | ASTM A351 Gr. CF8M |
| 11 | Seat | PTFE | - |
| 12 | Gasket | PTFE | - |



Dimensional Data

| Nominal Size (mm) | FF ±2 | FT | ØFW (Min.) | ØRFD | RFH | ØFD | K | n | Ød | LL | H |
|-------------------|-------|------|------------|------|-----|-----|-------|---|------|-----|-----|
| 15 | 108 | 8 | 11 | 34.9 | 2 | 90 | 60.3 | 4 | 5/8" | 167 | 55 |
| 20 | 117 | 8.9 | 17 | 42.9 | 2 | 100 | 69.9 | 4 | 5/8" | 167 | 60 |
| 25 | 127 | 9.6 | 23 | 50.8 | 2 | 110 | 79.4 | 4 | 5/8" | 180 | 72 |
| 40 | 165 | 12.7 | 37 | 73 | 2 | 125 | 98.4 | 4 | 5/8" | 206 | 90 |
| 50 | 178 | 14.3 | 49 | 92.1 | 2 | 150 | 120.7 | 4 | 3/4" | 230 | 100 |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



FV-509A C.S.S. Investment Casting Ball Valve, Class-150

Features

Two Piece Design, Full Bore, Renewable Seat, SS 316 Trim
 Flanges as per ANSI B16.5 Class-150 (Drilled)
 Product Standard : BS-17292/API-6D

Test Pressure

Body - 30 Bar (Hyd.)
 Seat - 22 Bar (Hyd.)
 Testing Standard : BSEN-12266-1/ API-598

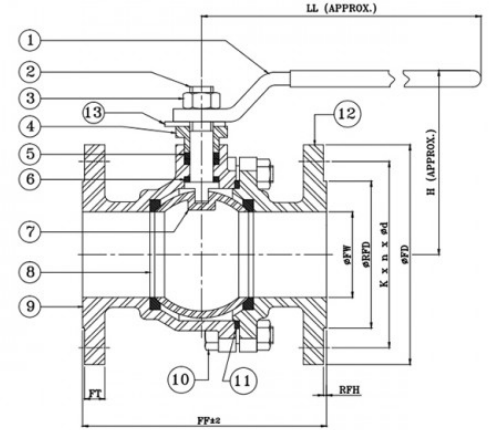
Suitability

Water, Steam, Gas, Oil, Air

Photo Not Available

Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|-------------------|-------------------------|--|
| 1 | Lever | Carbon Steel | (With Plastic Sleeve) |
| 2 | Stem | Stainless Steel | ASTM A276 TYPE 316 |
| 3 | Stem Nut | Stainless Steel | AISI - 316 |
| 4 | Gland | Stainless Steel | ASTM A276 TYPE 316 |
| 5 | Packing Ring | PTFE | - |
| 6 | Stem Seal | PTFE | - |
| 7 | Ball | Stainless Steel | ASTM A351 Gr. CF8M |
| 8 | Seat | PTFE | - |
| 9 | Body | C.S.S. | ASTM A351 Gr. CF8M |
| 10 | Stud Bolts & Nuts | Alloy Steel, H.T. Steel | ASTM A193 Gr. B7/B8 & ASTM A194 Gr. 2H/8 |
| 11 | Gasket | PTFE | - |
| 12 | Body Conductor | C.S.S. | ASTM A351 Gr. CF8M |
| 13 | Stopper | Carbon Steel | - |



Dimensional Data

| Nominal Size (mm) | FF ±2 | FT | ØFW (Min.) | ØRFD | RFH | ØFD | K | n | Ød | LL | H |
|-------------------|-------|------|------------|-------|-----|-----|-------|---|------|-----|-----|
| 65 | 190 | 15.9 | 62 | 104.8 | 2 | 180 | 139.7 | 4 | 3/4" | 400 | 155 |
| 80 | 203 | 17.5 | 74 | 127 | 2 | 190 | 152.4 | 4 | 3/4" | 400 | 175 |
| 100 | 229 | 22.3 | 98 | 157.2 | 2 | 230 | 190.5 | 8 | 3/4" | 450 | 195 |
| 150 | 394 | 23.9 | 148 | 215.9 | 2 | 280 | 241.3 | 8 | 7/8" | 470 | - |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



FV-510 C.S.S. Investment Casting Ball Valve, Class-150

Features

Three Piece Design, Full Bore, Renewable Seat, SS 304 Trim
 Flanges as per ANSI b16.5 Class-150 (Drilled)
 Product Specification : BS-17292/ API-6D

Test Pressure

Body - 30 Bar (Hyd.)
 Seat - 22 Bar (Hyd.)
 Testing Standard : API-598/ 12266-1

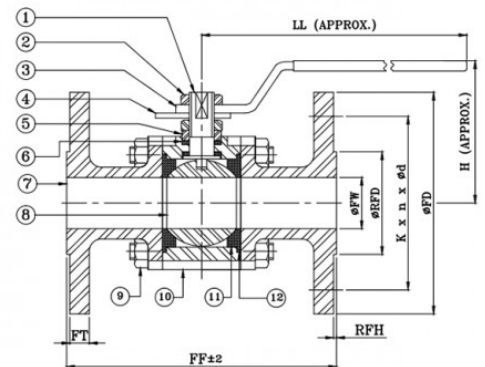
Suitability

Water, Steam, Gas, Oil, Air



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|---------------------|--------------------------|--|
| 1 | Stem | Stainless Steel | ASTM A276 TYPE 304 |
| 2 | Nut | Stainless Steel | ASTM A276 TYPE 304 |
| 3 | Lever | Carbon Steel | (With Plastic Sleeve) |
| 4 | Stopper | Carbon Steel | - |
| 5 | Gland | Stainless Steel | ASTM A276 TYPE 304 |
| 6 | Packing Ring | PTFE | - |
| 7 | Body Connector | C.Stainless Steel | ASTM A351 Gr. CF8 |
| 8 | Ball | Stainless Steel | ASTM A351 Gr. CF8 |
| 9 | Stud / Bolts & Nuts | Alloy Steel / H.T. Steel | ASTM A193 Gr. B7 / B8 / ASTM A194 Gr. 2H/8 |
| 10 | Body | C.Stainless Steel | ASTM A351 Gr. CF8 |
| 11 | Seat | PTFE | |
| 12 | Gasket | PTFE | |



Dimensional Data

| Nominal Size (mm) | FF ±2 | FT | ØFW (Min.) | ØRFD | RFH | ØFD | K | n | Ød | LL | H |
|-------------------|-------|------|------------|------|-----|-----|-------|---|------|-----|-----|
| 15 | 108 | 8 | 11 | 34.9 | 2 | 90 | 60.3 | 4 | 5/8" | 167 | 55 |
| 20 | 117 | 8.9 | 17 | 42.9 | 2 | 100 | 69.9 | 4 | 5/8" | 167 | 60 |
| 25 | 127 | 9.6 | 23 | 50.8 | 2 | 110 | 79.4 | 4 | 5/8" | 180 | 72 |
| 40 | 165 | 12.7 | 37 | 73 | 2 | 125 | 98.4 | 4 | 5/8" | 206 | 90 |
| 50 | 178 | 14.3 | 49 | 92.1 | 2 | 150 | 120.7 | 4 | 3/4" | 230 | 100 |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



FV-510A C.S.S. Investment Casting Ball Valve, Class-150

Features

Two Piece Design, Full Bore, Renewable Seat, SS 304 Trim
 Flanges as per ANSI B16.5 Class-150 (Drilled)
 Product Standard : BS-17292/API-6D

Test Pressure

Body - 30 Bar (Hyd.)
 Seat - 22 Bar (Hyd.)
 Testing Standard : BSEN-12266-1/ API-598

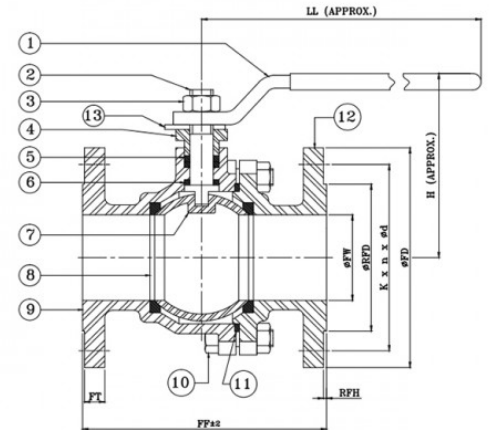
Suitability

Water, Steam, Gas, Oil, Air

Photo Not Available

Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|-------------------|-------------------------|--|
| 1 | Lever | Carbon Steel | (With Plastic Sleeve) |
| 2 | Stem | Stainless Steel | ASTM A276 TYPE 304 |
| 3 | Stem Nut | Stainless Steel | AISI - 304 |
| 4 | Gland | Stainless Steel | ASTM A276 TYPE 304 |
| 5 | Packing Ring | PTFE | - |
| 6 | Stem Seal | PTFE | - |
| 7 | Ball | Stainless Steel | ASTM A351 Gr. CF8 |
| 8 | Seat | PTFE | - |
| 9 | Body | C.S.S. | ASTM A351 Gr. CF8 |
| 10 | Stud Bolts & Nuts | Alloy Steel, H.T. Steel | ASTM A193 Gr. B7/B8 & ASTM A194 Gr. 2H/8 |
| 11 | Gasket | PTFE | - |
| 12 | Body Conductor | C.S.S. | ASTM A351 Gr. CF8 |
| 13 | Stopper | Carbon Steel | - |



Dimensional Data

| Nominal Size (mm) | FF ±2 | FT | ØFW (Min.) | ØRFD | RFH | ØFD | K | n | Ød | LL | H |
|-------------------|-------|------|------------|-------|-----|-----|-------|---|------|-----|-----|
| 65 | 190 | 15.9 | 62 | 104.8 | 2 | 180 | 139.7 | 4 | 3/4" | 400 | 155 |
| 80 | 203 | 17.5 | 74 | 127 | 2 | 190 | 152.4 | 4 | 3/4" | 400 | 175 |
| 100 | 229 | 22.3 | 98 | 157.2 | 2 | 230 | 190.5 | 8 | 3/4" | 450 | 195 |
| 150 | 394 | 23.9 | 148 | 215.9 | 2 | 280 | 241.3 | 8 | 7/8" | 470 | - |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



FV-511 C.S.S. Investment Casting Ball Valve

Features

One Piece Design, Reduced Bore, Renewable Seat, SS 304 Trim
Screwed Female BSP Parallel Threads (BS-21)

Test Pressure

Body - 1000 Psi g (Hyd.)

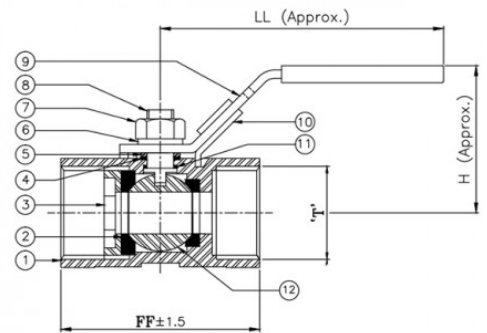
Suitability

Water, Steam, Gas, Oil, Air



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|----------------|-----------------|--------------------|
| 1 | Body | C.S.S. | ASTM A351 Gr. CF8 |
| 2 | Seat | PTFE | - |
| 3 | Seat Retainer | C.S.S. | ASTM A351 Gr. CF8 |
| 4 | Packing Ring | PTFE | - |
| 5 | Gland | Stainless Steel | ASTM A276 TYPE 304 |
| 6 | Washer | Stainless Steel | AISI 304 |
| 7 | Nut | Stainless Steel | ASTM A276 TYPE 304 |
| 8 | Stem | Stainless Steel | ASTM A276 TYPE 304 |
| 9 | Lever | Stainless Steel | (PVC Coated) |
| 10 | Locking Device | Stainless Steel | AISI 304 |
| 11 | Stem Seal | PTFE | - |
| 12 | Ball | C.S.S. | ASTM A351 Gr. CF8 |



Dimensional Data

| Nominal Size (mm) | FF ±1.5 | H | LL | T |
|-------------------|---------|----|-----|--------|
| 15 | 57 | 45 | 100 | 1/2" |
| 20 | 59 | 50 | 110 | 3/4" |
| 25 | 71 | 55 | 135 | 1" |
| 32 | 78 | 62 | 135 | 1/1/4" |
| 40 | 83 | 65 | 160 | 1/1/2" |
| 50 | 100 | 76 | 160 | 2" |



FV-512 C.S.S. Investment Casting Ball Valve

Features

One Piece Design, Reduced Bore, Renewable Seat, SS 316 Trim
Screwed Female Ends to BSP Threads (BS-21)

Test Pressure

1000 Psi g (Hyd.)

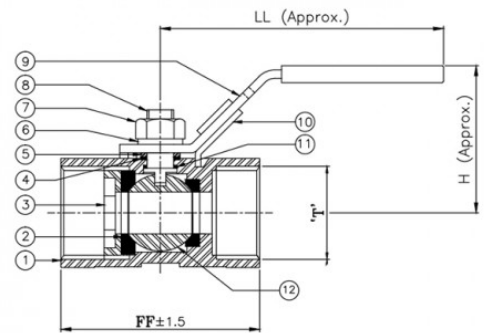
Suitability

Water, Steam, Gas, Oil, Air



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|----------------|-----------------|--------------------|
| 1 | Body | C.S.S. | ASTM A351 Gr. CF8M |
| 2 | Seat | PTFE | - |
| 3 | Seat Retainer | C.S.S. | ASTM A351 Gr. CF8M |
| 4 | Packing Ring | PTFE | - |
| 5 | Gland | Stainless Steel | ASTM A276 TYPE 316 |
| 6 | Washer | Stainless Steel | AISI 316 |
| 7 | Nut | Stainless Steel | ASTM A276 TYPE 316 |
| 8 | Stem | Stainless Steel | ASTM A276 TYPE 316 |
| 9 | Lever | Stainless Steel | (PVC Coated) |
| 10 | Locking Device | Stainless Steel | AISI 316 |
| 11 | Stem Seal | PTFE | - |
| 12 | Ball | C.S.S. | ASTM A351 Gr. CF8M |



Dimensional Data

| Nominal Size (mm) | FF ± 1.5 | H | LL |
|-------------------|----------|----|-----|
| 15 | 57 | 45 | 100 |
| 20 | 59 | 50 | 110 |
| 25 | 71 | 55 | 135 |
| 32 | 78 | 62 | 135 |
| 40 | 83 | 65 | 160 |
| 50 | 100 | 76 | 160 |



FV-513 C.S.S. Investment Casting Ball Valve, Class-800

Features

Three Piece Design, Full Bore, Renewable Seat, SS 304 Trim
Screwed Female Ends BSP/BSPT/NPT/ Socket welded ends as per ASME-B16.11

Test Pressure

Body - 178 Bar (Hyd.)
Seat - 76 Bar (Hyd.)

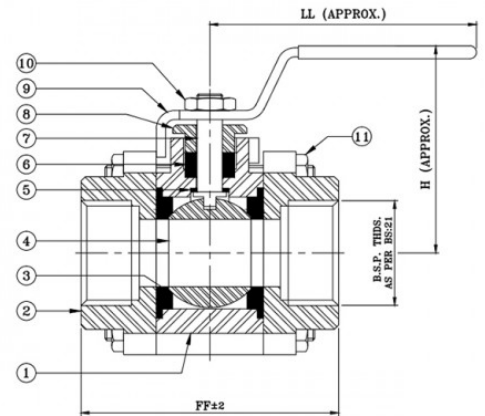
Suitability

Water, Steam, Gas, Oil, Air



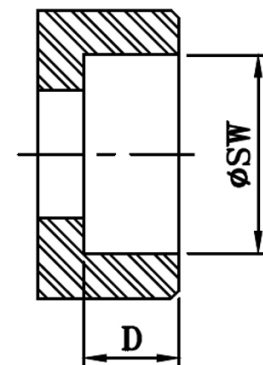
Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|----------------|-------------------------|--|
| 1 | Body | C.S.S. | ASTM A351 Gr. CF8 |
| 2 | Pipe Connector | C.S.S. | ASTM A351 Gr. CF8 |
| 3 | Body Seal | PTFE | - |
| 4 | Ball | Stainless Steel | ASTM A351 Gr. CF8/ASTM A276 TYPE 304 |
| 5 | Stem Seal | PTFE | - |
| 6 | Packing | PTFE | - |
| 7 | Stem Seal | Stainless Steel | ASTM A276 TYPE 304 |
| 8 | Gland Nut | Stainless Steel | ASTM A276 TYPE 304 |
| 9 | Lever | Carbon Steel | - |
| 10 | Lever Nut | Stainless Steel | TYPE - 304 |
| 11 | Studs & Nuts | Alloy Steel, H.T. Steel | ASTM A193 Gr. B7/B8 & ASTM A194 Gr. 2H/8 |



Dimensional Data

| Nominal Size (mm) | FF ±2 | LL | H | ØSW | D (Min.) |
|-------------------|-------|-----|-----|-------------|----------|
| 15 | 66 | 104 | 55 | 21.8 / 22.2 | 9.5 |
| 20 | 75 | 104 | 65 | 27.2 / 27.6 | 12.5 |
| 25 | 85 | 135 | 82 | 33.9 / 34.3 | 12.5 |
| 32 | 102 | 180 | 85 | 42.7 / 43.1 | 12.5 |
| 40 | 115 | 180 | 94 | 48.8 / 49.2 | 12.5 |
| 50 | 130 | 216 | 115 | 61.2 / 61.7 | 16 |



**SOCKET WELDING ENDS
AS PER ASME B16.11**



FV-514 C.S.S. Investment Casting Ball Valve, Class-800

Features

Three Piece Design, Full Bore, Renewable Seat, SS 316 Trim
Screwed Female Ends BSP/BSPT/NPT/ Socket welded ends as per ASME-B16.11

Test Pressure

Body - 178 Bar.
Seat - 76 Bar.

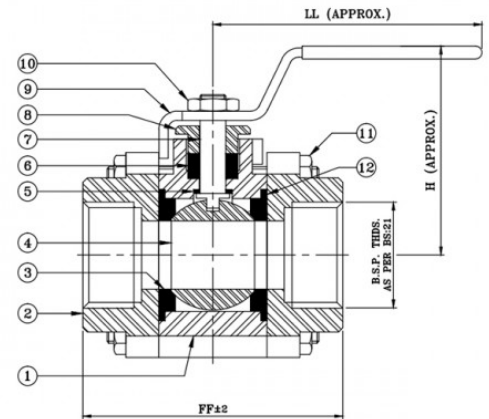
Suitability

Water, Steam, Gas, Oil, Air



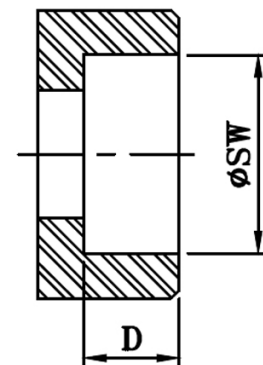
Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|----------------|-------------------------|--|
| 1 | Body | C.S.S. | ASTM A351 Gr. CF8M |
| 2 | Pipe Connector | C.S.S. | ASTM A351 Gr. CF8M |
| 3 | Body Seal | PTFE | - |
| 4 | Ball | Stainless Steel | ASTM A351 Gr. CF8M/ ASTM A276 TYPE 316 |
| 5 | Stem Seal | PTFE | - |
| 6 | Packing | PTFE | - |
| 7 | Stem Seal | Stainless Steel | ASTM A276 TYPE 316 |
| 8 | Gland Nut | Stainless Steel | ASTM A276 TYPE 316 |
| 9 | Lever | Carbon Steel | - |
| 10 | Lever Nut | Stainless Steel | TYPE - 316 |
| 11 | Studs & Nuts | Alloy Steel, H.T. Steel | ASTM A193 Gr. B7/B8 & ASTM A194 Gr. 2H/8 |



Dimensional Data

| Nominal Size (mm) | FF ±2 | LL | H | ØSW | D (Min.) |
|-------------------|-------|-----|-----|-------------|----------|
| 15 | 66 | 104 | 55 | 21.8 / 22.2 | 9.5 |
| 20 | 75 | 104 | 65 | 27.2 / 27.6 | 12.5 |
| 25 | 85 | 135 | 82 | 33.9 / 34.3 | 12.5 |
| 32 | 102 | 180 | 85 | 42.7 / 43.1 | 12.5 |
| 40 | 115 | 180 | 94 | 48.8 / 49.2 | 12.5 |
| 50 | 130 | 216 | 115 | 61.2 / 61.7 | 16 |



**SOCKET WELDING ENDS
AS PER ASME B16.11**



FV-515 C.C.S. Investment Casting Ball Valve, Class-800

Features

Full Bore, Three Piece Design, Renewable Seat, SS Trim
Screwed Female Ends BSP/BSPT/NPT/ Socket welded ends as per ASME B16.11

Test Pressure

Body - 178 Bar (Hyd.)
Seat - 76 Bar (Hyd.)

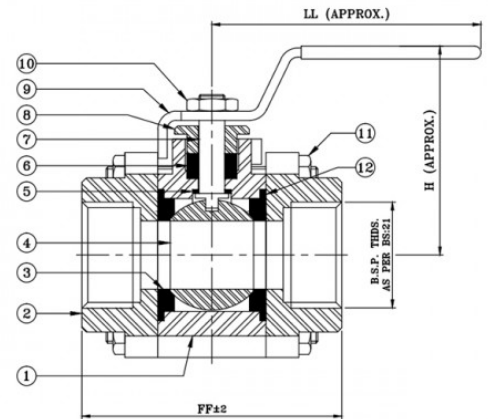
Suitability

Water, Steam, Gas, Oil, Air



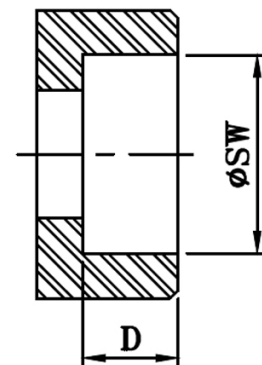
Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|----------------|-------------------------|---------------------------------------|
| 1 | Body | C.C.S. | ASTM A216 Gr.WCB |
| 2 | Pipe Connector | C.C.S. | ASTM A216 Gr.WCB |
| 3 | Body Seal | PTFE | - |
| 4 | Ball | Stainless Steel | ASTM A351 Gr. CF8/ ASTM A276 TYPE 304 |
| 5 | Stem Seal | PTFE | - |
| 6 | Packing | PTFE | - |
| 7 | Stem Seal | Stainless Steel | ASTM A276 TYPE 410 |
| 8 | Gland Nut | Stainless Steel | ASTM A276 TYPE 410 |
| 9 | Lever | Carbon Steel | - |
| 10 | Lever Nut | Stainless Steel | TYPE - 410 |
| 11 | Studs & Nuts | Alloy Steel, H.T. Steel | ASTM A193 Gr. B7/ ASTM A194 Gr. 2H |



Dimensional Data

| Nominal Size (mm) | FF ±2 | LL | H | ØSW | D (Min.) |
|-------------------|-------|-----|-----|-------------|----------|
| 15 | 66 | 104 | 55 | 21.8 / 22.2 | 9.5 |
| 20 | 75 | 104 | 65 | 27.2 / 27.6 | 12.5 |
| 25 | 85 | 135 | 82 | 33.9 / 34.3 | 12.5 |
| 32 | 102 | 180 | 85 | 42.7 / 43.1 | 12.5 |
| 40 | 115 | 180 | 94 | 48.8 / 49.2 | 12.5 |
| 50 | 130 | 216 | 115 | 61.2 / 61.7 | 16 |



**SOCKET WELDING ENDS
AS PER ASME B16.11**



FV-516 C.S.S. Investment Casting Ball Valve, Class-150

Features

Three Piece Design, Full Bore, Renewable Seat, SS Trim
 Flanges as per ASME B16.5 Class 150 (Drilled)
 Product Standard : BS-17292

Test Pressure

Body - 30 Bar (Hyd.)
 Seat - 22 Bar (Hyd.)
 Testing Standard : BSEN-12266-1

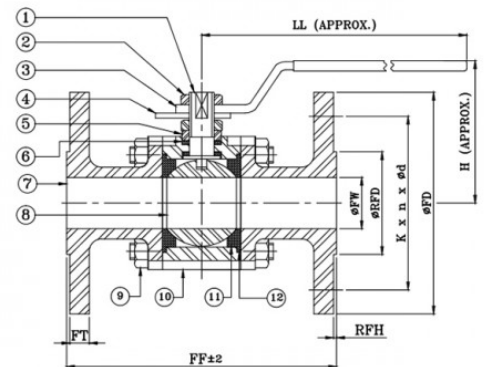
Suitability

Water, Steam, Gas, Oil, Air



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|---------------------|--------------------------|-------------------------------------|
| 1 | Stem | Stainless Steel | ASTM A276 TYPE 410 |
| 2 | Nut | Stainless Steel | ASTM A276 TYPE 410 |
| 3 | Lever | Carbon Steel | (With Plastic Sleeve) |
| 4 | Stopper | Carbon Steel | - |
| 5 | Gland | Stainless Steel | ASTM A276 TYPE 410 |
| 6 | Packing Ring | PTFE | - |
| 7 | Body Connector | C.C.S. | ASTM A216 Gr. WCB |
| 8 | Ball | Stainless Steel | ASTM A351 Gr. CF8 |
| 9 | Stud / Bolts & Nuts | Alloy Steel / H.T. Steel | ASTM A193 Gr. B7 & ASTM A194 Gr. 2H |
| 10 | Body | C.C.S. | ASTM A216 Gr. WCB |
| 11 | Seat | PTFE | - |
| 12 | Gasket | PTFE | - |



Dimensional Data

| Nominal Size (mm) | FF ±2 | FT | ØFW | ØRFD | RFH | ØFD | K | n | Ød | LL | H |
|-------------------|-------|------|-----|------|-----|-----|-------|---|------|-----|-----|
| 15 | 108 | 8 | 11 | 34.9 | 2 | 90 | 60.3 | 4 | 5/8" | 167 | 55 |
| 20 | 117 | 8.9 | 17 | 42.9 | 2 | 100 | 69.9 | 4 | 5/8" | 167 | 60 |
| 25 | 127 | 9.6 | 23 | 50.8 | 2 | 110 | 79.4 | 4 | 5/8" | 180 | 72 |
| 40 | 165 | 12.7 | 37 | 73 | 2 | 125 | 98.4 | 4 | 5/8" | 206 | 90 |
| 50 | 178 | 14.3 | 49 | 92.1 | 2 | 150 | 120.7 | 4 | 3/4" | 230 | 100 |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes



FV-516A C.S.S. Investment Casting Ball Valve, Class-150

Features

Two Piece Design, Fire Safe Design, Renewable Seat, SS Trim
 Flanges as per ASME B16.5 Class 150-(Drilled)
 Product Standard : API-6D/ EN-17292

Test Pressure

Body - 30 Bar (Hyd.)
 Seat - 22 Bar (Hyd.)
 Testing Standard : BSEN-12266-1

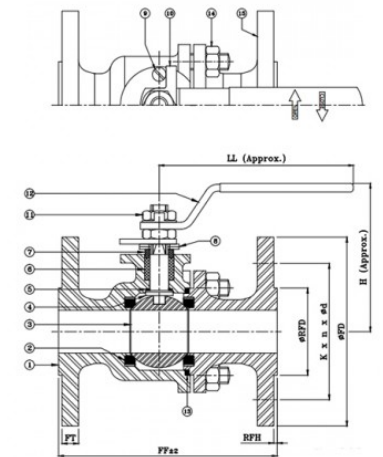
Suitability

Water, Steam, Gas, Oil, Air



Material Combination

| P.No. | Name of Part | Material | Specification |
|-------|--------------|---|-------------------------------------|
| 1 | Body | C.C.S. | ASTM A216 Gr. WCB |
| 2 | Seat | PTFE with Graphoil | - |
| 3 | ball | Stainless Steel | ASTM A351 Gr.CF8 / AISI 304 |
| 4 | Stem | Stainless Steel | ASTM A276 TYPE 410 / 304 |
| 5 | Stem Seal | Graphoil | - |
| 6 | Packing | PTFE with Graphoil Filled | - |
| 7 | Gland | Stainless Steel | ASTM A276 TYPE410 |
| 8 | Disc Spring | Stainless Steel | ANY GRADE |
| 9 | Stopper Pin | Carbon Steel | - |
| 10 | Stopper | Carbon Steel | - |
| 11 | Locking Nut | Stainless Steel | - |
| 12 | Lever | Carbon Steel | (With PVC Sleeve) |
| 13 | Gasket | Spiral Wound Stainless Steel 304 With Graphoil Filled | |
| 14 | Studs & Nuts | Alloy Steel / H.T Steel | ASTM A193 Gr. B7 & ASTM A194 Gr. 2H |
| 15 | Cap | C.C.S. | ASTM A216 Gr. WCB |



Dimensional Data

| Nominal Size (mm) | FF ±2 | FT | ØRFD | RFH | ØFD | LL | K | H | n | Ød |
|-------------------|-------|------|-------|-----|-----|-----|-------|-----|---|------|
| 25 | 127 | 9.6 | 50.8 | 2 | 110 | 140 | 79.4 | 102 | 4 | 5/8" |
| 40 | 165 | 12.7 | 73 | 2 | 125 | 200 | 98.4 | 130 | 4 | 5/8" |
| 50 | 178 | 14.3 | 92.1 | 2 | 150 | 200 | 120.7 | 145 | 4 | 3/4" |
| 65 | 191 | 15.9 | 104.8 | 2 | 180 | 250 | 139.7 | 150 | 4 | 3/4" |
| 80 | 203 | 17.5 | 127 | 2 | 190 | 400 | 152.4 | 175 | 4 | 3/4" |
| 100 | 229 | 22.3 | 157.2 | 2 | 230 | 500 | 190.5 | 226 | 8 | 3/4" |
| 150 | 394 | 23.9 | 215.9 | 2 | 280 | 800 | 241.3 | 274 | 8 | 7/8" |

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes