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1001 Bronze Globe Valve (Screwed)

Salient Features

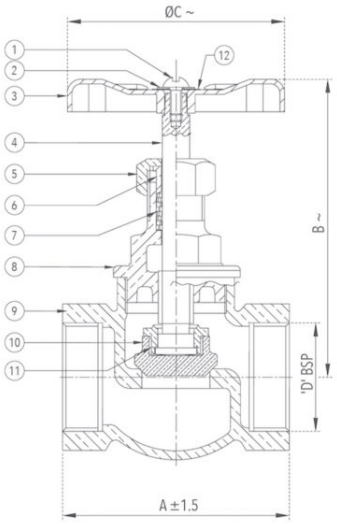
- Screwed Female Ends to IS 554 / BS 21 / ISO 7.
- Screwed in Bonnet, Inside Screw, Rising Stem, Integral Seat.
- Designed sheet metal handwheel for a firm grip and convenient operation.
- Premium Quality PTFE Gland Packing.
- Medium Pattern.

Test Pressure (Hydrostatic) :
Shell : 20 kg/cm²g (285 psig)
Seat : 13.50 kg/cm²g (192 psig)
Maximum Working Temperature : 225°C

Suitable For
Water, Oil, Air*, Gases*
*Also available with PTFE Seating for Air and Gas applications, at a nominal extra price.

Materials

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



Sizes / Dimensions

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

~ ±10

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

Salient Features

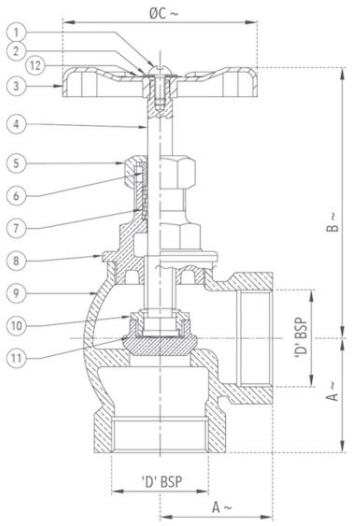
- Angle Pattern.
- Screwed Female Ends to IS 554 / BS 21 / ISO 7.
- Screwed in Bonnet, Inside Screw, Rising Stem, Integral Seat.
- Designed sheet metal handwheel for a firm grip and convenient operation.
- Premium Quality PTFE Gland Packing.
- Medium Pattern.

Test Pressure (Hydrostatic) :
Shell : 24 kg/cm²g (340 psig)
Seat : 16 kg/cm²g (225 psig)
Maximum Working Temperature : 225°C

Suitable For
Water, Oil, Air*, Gases*
*Also available with PTFE Seating for Air and Gas applications, at a nominal extra price.

Materials

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



Sizes / Dimensions

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

~ ±10

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1002 Bronze Globe Valve No.5 (Screwed)

Salient Features

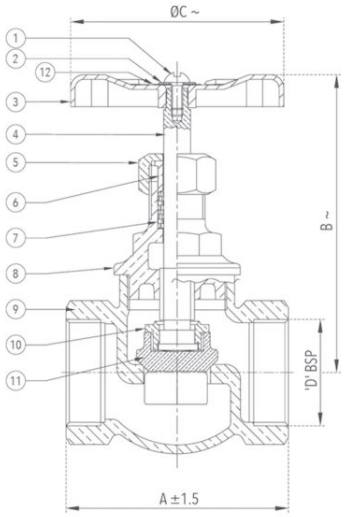
- Screwed Female Ends to IS 554 / BS 21 / ISO 7.
- Screwed in Bonnet, Inside Screw, Rising Stem, Integral Seat.
- Designed sheet metal handwheel for a firm grip and convenient operation.
- Provision for re-packing under pressure.
- Premium Quality PTFE Gland Packing.
- Heavy Pattern.

Test Pressure (Hydrostatic) :
Shell : 35 kg/cm²g (500 psig)
Seat : 20 kg/cm²g (285 psig)
Maximum Working Temperature : 225°C

Suitable For
Water, Oil, Air*, Gases*
*Also available with PTFE Seating for Air and Gas applications, at a nominal extra price.

Materials

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



Sizes / Dimensions

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

~ ±10

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1003 Bronze Globe Valve No.8 (Flanged)

Salient Features

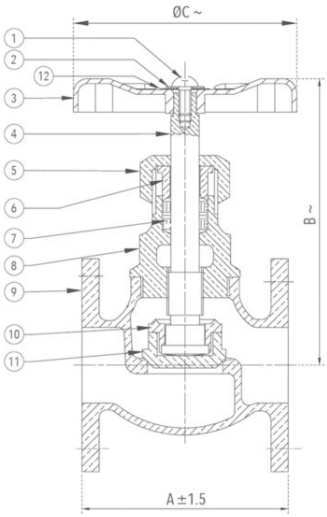
- Flanged Ends to BS 10 Table 'D'.
- Screwed in Bonnet, Inside Screw, Rising Stem, Integral Seat.
- Designed sheet metal handwheel for a firm grip and convenient operation.
- Premium Quality PTFE Gland Packing.
- Medium Pattern.

Test Pressure (Hydrostatic) :
Shell : 24 kg/cm²g (340 psig)
Seat : 16 kg/cm²g (225 psig)
Maximum Working Temperature : 225°C

Suitable For
Water, Oil, Air*, Gases*
*Also available with PTFE Seating for Air and Gas applications, at a nominal extra price.

Materials

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



Sizes / Dimensions

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

~ ±10

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

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1031 Bronze Union Bonnet Globe Valve (Screwed)

Salient Features

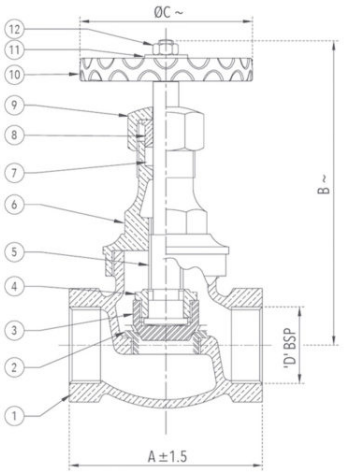
- Screwed Female Ends to IS 554 / BS 21 / ISO 7.
- Screwed on Bonnet, Rising Stem.
- Provision for re-packing under pressure.
- Renewable 13% Cr. Stainless Steel (S.S 410) working parts.
- Handwheel Operated.

Test Pressure (Hydrostatic) :
Shell : 35 kg/cm²g (500 psig)
Working Pressure (Steam) : 10.55 kg/cm²g (150 psig)
Maximum Working Temperature : 225°C

Suitable For
Steam, Water, Oil, Air*, Gases*
*Also available with PTFE Seating for Air and Gas applications, at a nominal extra price.

Materials

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



Sizes / Dimensions

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

~ ±10

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1032 Bronze Union Bonnet Globe Valve (Flanged)

Salient Features

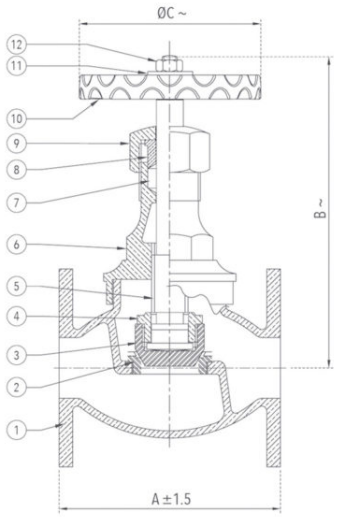
- Flanged Ends to BS 10 Table 'F'.
- Screwed on Bonnet, Rising Stem.
- Provision for re-packing under pressure.
- Renewable 13% Cr. Stainless Steel (S.S 410) working parts.
- Handwheel Operated.

Test Pressure (Hydrostatic) :
Shell : 35 kg/cm²g (500 psig)
Working Pressure (Steam) : 10.55 kg/cm²g (150 psig)
Maximum Working Temperature : 225°C

Suitable For
Steam, Water, Oil, Air*, Gases*
*Also available with PTFE Seating for Air and Gas applications, at a nominal extra price.

Materials

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



Sizes / Dimensions

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

~ ±10

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1033 Bronze Globe Valve (Screwed)

IS 778
CM/L-0624644

Salient Features

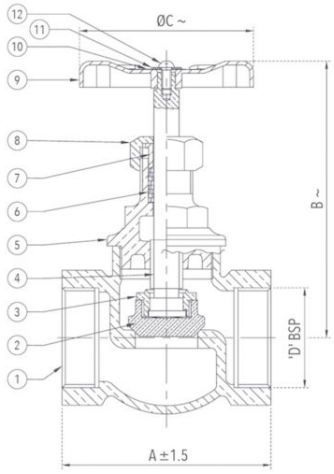
- Screwed Female Ends to IS 554 / BS 21 / ISO 7.
- Screwed in Bonnet, Inside Screw, Rising Stem, Integral Seat.
- Provision for re-packing under pressure.
- Premium Quality PTFE Gland Packing.
- Design Standard IS 778, Class-1.
- Designed sheet metal handwheel for a firm grip and convenient operation.

Test Pressure (Hydrostatic) :
Shell : 1.5 MPa
Seat & Back Seat : 1.0 MPa
Maximum Working Temperature : 45°C

Suitable For
Water, Oil
*Also available with Open-Shut Indicator & Locking Device and with PTFE Seating, at a nominal extra price.

Materials

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



Sizes / Dimensions

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

~ ±10

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

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1034 Bronze Globe Valve (Flanged) IS 778 CM/L-0624644

Salient Features

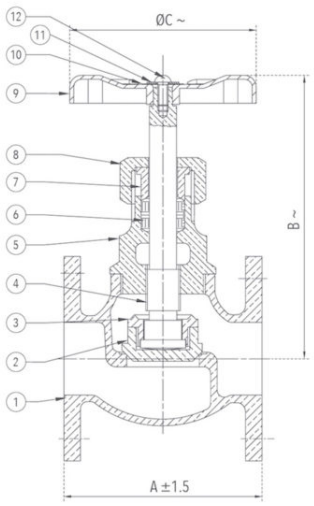
- Flanged Ends to IS 778.
- Screwed in Bonnet, Inside Screw, Rising Stem, Integral Seat.
- Provision for re-packing under pressure.
- Premium Quality PTFE Gland Packing.
- Design Standard IS 778, Class-1.
- Designed sheet metal handwheel for a firm grip and convenient operation.

Test Pressure (Hydrostatic) :
Shell : 1.5 MPa
Seat & Back Seat : 1.0 MPa
Maximum Working Temperature : 45°C

Suitable For
Water, Oil
*Also available with Open-Shut Indicator & Locking Device and with PTFE Seating, at a nominal extra price.

Materials

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



Sizes / Dimensions

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

~ ±10

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

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1041 Bronze Globe Steam Stop Valve (Screwed) I.B.R

Salient Features

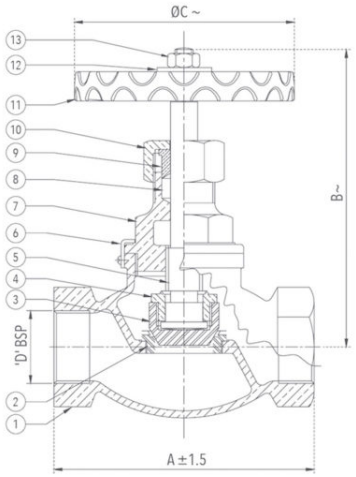
- Screwed Female Ends to BSPT.
- Straight Pattern, Screwed in Bonnet, Inside Screw, Rising Stem.
- Provision for re-packing under pressure.
- Handwheel Operated.
- Premium Quality lubricated Gland Packing.
- Renewable 13% Cr. Stainless Steel (S.S 410) working parts.
- Heat treated body seat ring and disc for extended life.

Test Pressure (Hydrostatic) :
Shell : 35.15 kg/cm²g (500 psig)
Working Pressure (Steam) : 17.58 kg/cm²g (250 psig)
Maximum Working Temperature : 225°C

Suitable For
Steam, Water

Materials

P.No.	Name of Part	Material of Construction	Specification	Quantity
1	Body	Bronze	IBR 282 (a) (IV) Gr. B	1
2	Body Seat Ring	Stainless Steel	ASTM A276 Type 410	1
3	Disc	Stainless Steel	ASTM A276 Type 410	1
4	Disc Nut	Bronze	IBR 282 (a) (IV) Gr. B	1
5	Stem	Stainless Steel	ASTM A276 Type 410	1
6	Safety Lock	Brass Sheet	IS 410	1
7	Bonnet	Bronze	IBR 282 (a) (IV) Gr. B	1
8	Gland Packing	Asbestos	IS 4687	–
9	Gland	Bronze	IBR 282 (a) (IV) Gr. B	1
10	Gland Nut	Bronze	IBR 282 (a) (IV) Gr. B	1
11	Handwheel	Cast Iron	IS 210 Gr. FG 200	1
12	Washer	Carbon Steel	– – –	1
13	Nut	Carbon Steel	– – –	1



Sizes / Dimensions

Size (Inches)	Size (mm)	A ±1.5	B ~	ØC ~	D
1/2	15	83	115	90	1/2″
3/4	20	95	115	90	3/4″
1	25	111	130	102	1″
1 1/4	32	133	160	127	1 1/4″
1 1/2	40	152	168	127	1 1/2″
2	50	178	185	150	2″

~ ±10

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1042 Bronze Globe Steam Stop Valve (Flanged) I.B.R

Salient Features

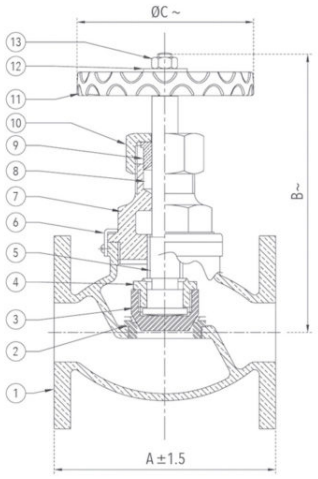
- Flanged Ends to BS 10 Table 'H'.
- Straight Pattern, Screwed in Bonnet, Inside Screw, Rising Stem.
- Provision for re-packing under pressure.
- Handwheel Operated.
- Premium Quality lubricated Gland Packing.
- Renewable 13% Cr. Stainless Steel (S.S 410) working parts.
- Heat treated body seat ring and disc for extended life.

Test Pressure (Hydrostatic) :
Shell : 35.15 kg/cm²g (500 psig)
Working Pressure (Steam) : 17.58 kg/cm²g (250 psig)
Maximum Working Temperature : 225°C

Suitable For
Steam, Water

Materials

P.No.	Name of Part	Material of Construction	Specification	Quantity
1	Body	Bronze	IBR 282 (a) (IV) Gr. B	1
2	Body Seat Ring	Stainless Steel	ASTM A276 Type 410	1
3	Disc	Stainless Steel	ASTM A276 Type 410	1
4	Disc Nut	Bronze	IBR 282 (a) (IV) Gr. B	1
5	Stem	Stainless Steel	ASTM A276 Type 410	1
6	Safety Lock	Brass Sheet	IS 410	1
7	Bonnet	Bronze	IBR 282 (a) (IV) Gr. B	1
8	Gland Packing	Asbestos	IS 4687	–
9	Gland	Bronze	IBR 282 (a) (IV) Gr. B	1
10	Gland Nut	Bronze	IBR 282 (a) (IV) Gr. B	1
11	Handwheel	Cast Iron	IS 210 Gr. FG 200	1
12	Washer	Carbon Steel	– – –	1
13	Nut	Carbon Steel	– – –	1



Sizes / Dimensions

Size (Inches)	Size (mm)	A ±1.5	B ~	ØC ~
1/2	15	102	115	90
3/4	20	114	115	90
1	25	127	130	102
1 1/4	32	140	160	127
1 1/2	40	152	168	127
2	50	178	185	150

~ ±10

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1065 Cast Iron Globe Steam Stop Valve Straight Pattern (Flanged) I.B.R

Salient Features

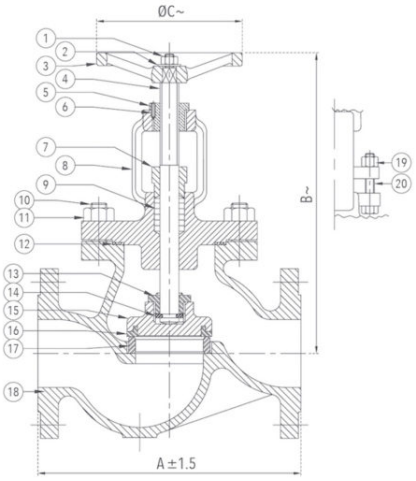
- Flanged Ends to DIN 2533 PN 16RF.
- Straight Pattern, Outside Screw, Yoke Type, Rising Stem.
- Renewable 13% Cr. Stainless Steel (S.S 410) working parts.
- Provision for re-packing under pressure.
- Minimum pressure drop inside the body due to streamlined body design.
- High lift of the seat to avoid any obstruction in the flow.
- Sturdy and comparatively bigger sized wheel provided to give sufficient torque for easy operation.

Test Pressure (Hydrostatic) :
Shell : 26 kg/cm²g (370 psig)
Working Pressure (Steam) : 13 kg/cm²g (185 psig)
Maximum Working Temperature : 220°C

Suitable For
Steam, Water

Materials

P.No.	Name of Part	Material of Construction	Specification	Quantity
1	Nut	Carbon Steel	– – –	1
2	Washer	Carbon Steel	– – –	1
3	Handwheel	Cast Iron	IS 210 Gr. FG 200	1
4	Stem	Stainless Steel	ASTM 276 Type 410	1
5	Yoke Bush	Bronze	IS 318 Gr. LTB 2	1
6	Locking Screw	Carbon Steel	– – –	1
7	Gland Flange	Cast Iron	IBR 86-93 Gr. A	1
8	Bonnet	Cast Iron	IBR 86-93 Gr. A	1
9	Gland Packing	Braided Graphited Asbestos	IS 4687	–
10	Studs	Carbon Steel	IS 1367	As Reqd.
11	Nuts	Carbon Steel	IS 1367	As Reqd.
12	Gasket	Steam Jointing Sheet	IS 2712 Gr. W/3	1
13	Stem Nut	Stainless Steel	ASTM A 276 Type 410	1
14	Stem Ring	Stainless Steel	ASTM A 276 Type 410	1
15	Disc	Cast Iron	IBR 86-93 Gr. A	1
16	Seat Ring	Stainless Steel	ASTM A 276 Type 410 / ASTM A 182 Gr. F6a	1
17	Body Seat Ring	Stainless Steel	ASTM A 276 Type 410 / ASTM A 182 Gr. F6a	1
18	Body	Cast Iron	IBR 86-93 Gr. A	1
19	Nuts	Carbon Steel	IS 1367	2
20	Bolts	Carbon Steel	IS 1367	2



Sizes / Dimensions

Size (Inches)	Size (mm)	A ±1.5	B~	ØC~
1/2	15	130	166	96
3/4	20	150	166	96
1	25	160	180	118
1 1/4	32	180	196	118
1 1/2	40	200	228	150
2	50	230	250	150
2 1/2	65	290	280	180

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Size (Inches)	Size (mm)	A ±1.5	B~	ØC~
3	80	310	295	200
4	100	350	335	235
5	125	400	409	285
6	150	480	470	350
8*	200	600	580	435

* Pressure and Temperature for 200 mm Valve is as per PN10 and flanges to PN 10RF.
~ ±10

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1066 Cast Iron Globe Steam Stop Valve Angle Pattern (Flanged) I.B.R

Salient Features

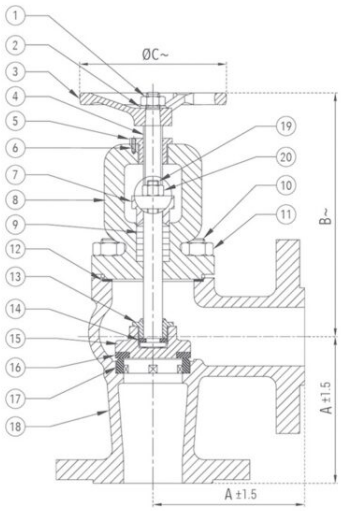
- Flanged Ends to DIN 2533 PN 16RF.
- Angle Pattern, Outside Screw, Yoke Type, Rising Stem.
- Renewable 13% Cr. Stainless Steel (S.S 410) working parts.
- Provision for re-packing under pressure.
- Minimum pressure drop inside the body due to streamlined body design.
- High lift of the seat to avoid any obstruction in the flow.
- Sturdy and comparatively bigger sized wheel provided to give sufficient torque for easy operation.

Test Pressure (Hydrostatic) :
Shell : 26 kg/cm²g (370 psig)
Working Pressure (Steam) : 13 kg/cm²g (185 psig)
Maximum Working Temperature : 220°C

Suitable For
Steam, Water

Materials

P.No.	Name of Part	Material of Construction	Specification	Quantity
1	Nut	Carbon Steel	– – –	1
2	Washer	Carbon Steel	– – –	1
3	Handwheel	Cast Iron	IS 210 Gr. FG 200	1
4	Stem	Stainless Steel	ASTM 276 Type 410	1
5	Yoke Bush	Bronze	IS 318 Gr. LTB 2	1
6	Locking Screw	Carbon Steel	– – –	1
7	Gland Flange	Cast Iron	IBR 86-93 Gr. A	1
8	Bonnet	Cast Iron	IBR 86-93 Gr. A	1
9	Gland Packing	Braided Graphited Asbestos	IS 4687	–
10	Studs	Carbon Steel	IS 1367	As Reqd.
11	Nuts	Carbon Steel	IS 1367	As Reqd.
12	Gasket	Steam Jointing Sheet	IS 2712 Gr. W/3	1
13	Stem Nut	Stainless Steel	ASTM A 276 Type 410	1
14	Stem Ring	Stainless Steel	ASTM A 276 Type 410	1
15	Disc	Cast Iron	IBR 86-93 Gr. A	1
16	Seat Ring	Stainless Steel	ASTM A 276 Type 410 / ASTM A 182 Gr. F6a	1
17	Body Seat Ring	Stainless Steel	ASTM A 276 Type 410 / ASTM A 182 Gr. F6a	1
18	Body	Cast Iron	IBR 86-93 Gr. A	1
19	Nuts	Carbon Steel	IS 1367	2
20	Bolts	Carbon Steel	IS 1367	2



Sizes / Dimensions

Size (Inches)	Size (mm)	A±1.5	B ~	ØC ~
1/2	15	90	150	96
3/4	20	95	154	96
1	25	100	162	118
1 1/4	32	105	176	118
1 1/2	40	115	204	150
2	50	125	223	150
2 1/2	65	145	250	180

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Size (Inches)	Size (mm)	A±1.5	B ~	ØC ~
3	80	155	275	200
4	100	175	305	235
6	150	225	419	350
8*	200	275	475	435

* Pressure and Temperature for 200 mm Valve is as per PN10 and flanges to PN 10RF.
~ ±10

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

Salient Features

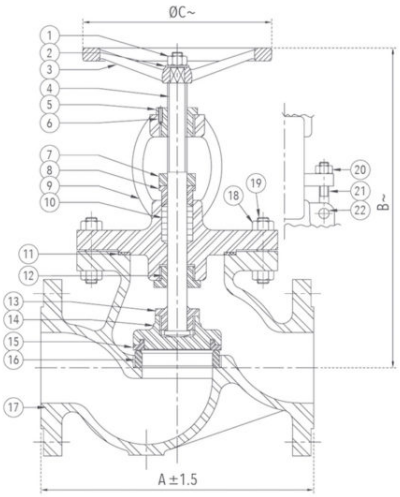
- Flanged Ends to DIN 2545 PN 40.
- Straight Pattern, Outside Screw, Yoke Type, Rising Stem, Bolted Bonnet.
- Renewable 13% Cr. Stainless Steel (S.S 410) working parts.
- Minimum pressure drop inside the body due to streamlined body design.
- Handwheel Operated.
- Provision for re-packing under pressure.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

Test Pressure (Hydrostatic) :
Shell : 60 bar (870 psig)
Maximum Working Pressure : 40 bar (580 psig)
Maximum Working Temperature : 425°C

Suitable For
Steam, Water, Oil

Materials

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



Sizes / Dimensions

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

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

~ ±10

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

Salient Features

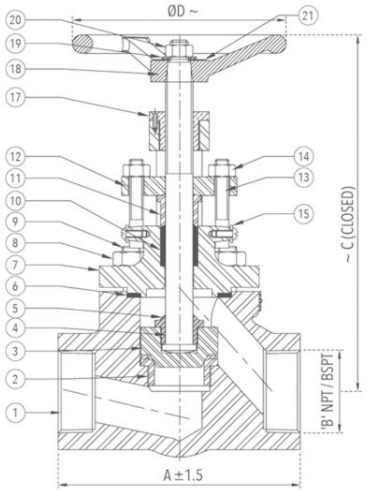
- Design Standard API 602 / BSEN ISO 15761 (BS 5352).
- Body and Bonnet are Phosphated, to ensure maximum resistance from rust.
- Bolted Bonnet, Outside Screw, Yoke Type, Rising Stem.
- Screwed Female Ends to BSPT / NPT / Socket Welded to ANSI B16.11.

Test Pressure :
Shell (Hydrostatic) : 207 bar (3000 psig)
Seat & Back Seat(Hydrostatic) : 152 bar (2200 psig)
Seat (Pneumatic) : 6.9 bar (100 psig)
Maximum Working Temperature : 425°C

Suitable For
Steam, Water, Oil, Air, Gases

Materials

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



Sizes / Dimensions

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

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

Salient Features

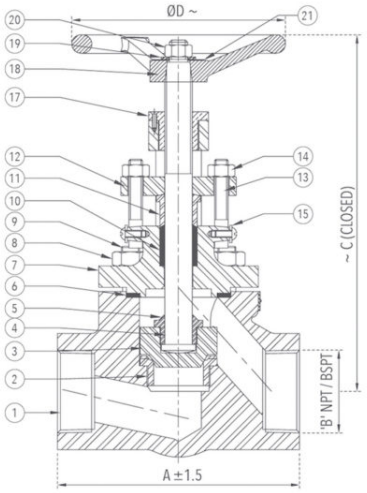
- Design Standard API 602 / BS EN ISO 15761 (BS 5352).
- Body and Bonnet are Phosphated, to ensure maximum resistance from rust.
- Bolted Bonnet, Outside Screw, Yoke Type, Rising Stem.
- Screwed Female Ends to BSPT / NPT / Socket Welded to ANSI B16.11.

Test Pressure :
Shell (Hydrostatic) : 207 bar (3000 psig)
Seat & Back Seat(Hydrostatic) : 152 bar (2200 psig)
Seat (Pneumatic) : 6.9 bar (100 psig)
Maximum Working Temperature : 425°C

Suitable For
Steam, Water, Oil, Air, Gases

Materials

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



Sizes / Dimensions

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

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