



PRESSURE NON RISING STEM SCREWED (IS 778 CLASS-1) GATE VALVE

SALIENT FEATURES

- Product : Pressure Bronze Gate Valve
- Product Standard : IS 778
- Pressure/Class/Rating : Class 1
- Body Material cum Standard : GM (IS 318 Grade LTB2)
- Description Screwed in Bonnet, Inside Screw, Non-Rising Stem
- Type of Seat : Integral Seat.
- Type of Wedge : Solid Wedge
- Trim : Cu - Alloy
- Gland Packing : PTFE
- Ends Details : Screwed Female Threads to IS : 554 Parallel

HSN 84813030

SUITABLE FOR

Water Oil

TEST PRESSURE (HYDROSTATIC) :

- Body Test Pressure : 1.5 MPa Hyd.
- Seat & Back Seat Test Pressure : 1.0 MPa Hyd.
- Maximum Working Temperature : 45°C



Reg. Office :9, Amar Asha Society, Nr. Ramvadi Bus Stop, Isanpur, Ahmedabad-382443. Gujarat, India. **Ph.** : +91 7490034801, 9824334801

Factory & Correspondence Address : 16, Ambica Industrial Estate, Nr. Vatva Railway Over Bridge, Vatva, Ahmedabad-382440, Gujarat, India.

Ph. : +91 8320479614, 6354226326 **E-mail** : info@pressurevalves.in, marketing@pressurevalves.in **Web** : www.pressurevalves.in

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MANUFACTURER OF INDUSTRIAL VALVES AND GEARS



PRESSURE NON RISING STEM SCREWED (IS 778 CLASS-1) GATE VALVE

MATERIALS OF CONSTRUCTION

P.No.	Name of Part	Material of Construction	Specification	Quantity
1	Body	Gun Metal/ Leaded Tin Bronze	IS 6912 Gr. FLB	1
2	Stem	Forged Brass	IS 6912 Gr. FLB	1
3	Hand wheel	Carbon Steel (Zinc Plated)	IS 210 Gr. FG 200	1
4	Gland Packing	PTFE	-----	1
5	Screw & Washer	Mild Steel	-----	1

SIZES / DIMENSIONS

Size (Inches)	Size (mm)	F TO F ±1.5
1/4	8	50
3/8	10	50
1/2	15	60
3/4	20	60
1	25	70
1 1/4	32	80
1 1/2	40	90
2	50	100
2 1/2	65	105
3	80	125
4	100	160

- Notes :** 1. Product images are for illustration purposes only. Actual product may vary.
2. Actual dimensions may change over time, due to continual design improvements. Please confirm before placing order.

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PRESSURE NON RISING STEM SCREWED (IS 778 CLASS-2) GATE VALVE

SALIENT FEATURES

- Product : Pressure Bronze Gate Valve
- Product Standard : IS 778
- Pressure/Class/Rating : Class 2
- Body Material cum Standard : GM (IS 318 Grade LTB2)
- Description Screwed in Bonnet, Inside Screw, Non-Rising Stem
- Type of Seat : Integral Seat.
- Type of Wedge : Solid Wedge
- Trim : Cu - Alloy
- Gland Packing : PTFE
- Ends Details : Screwed Female Threads to IS : 554 Parallel

HSN 84813030

SUITABLE FOR

Water Oil

TEST PRESSURE (HYDROSTATIC) :

- Body Test Pressure : 2.4 MPa Hyd.
- Seat & Back Seat Test Pressure : 1.6 MPa Hyd.
- Maximum Working Temperature : 45°C



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PRESSURE NON RISING STEM SCREWED (IS 778 CLASS-2) GATE VALVE

MATERIALS OF CONSTRUCTION

P.No.	Name of Part	Material of Construction	Specification	Quantity
1	Body	Gun Metal/ Leaded Tin Bronze	IS 6912 Gr. FLB	1
2	Stem	Forged Brass	IS 6912 Gr. FLB	1
3	Hand wheel	Carbon Steel (Zinc Plated)	IS 210 Gr. FG 200	1
4	Gland Packing	PTFE	-----	1
5	Screw & Washer	Mild Steel	-----	1

SIZES / DIMENSIONS

Size (Inches)	Size (mm)	F TO F ±1.5
1/2	15	60
3/4	20	60
1	25	70
1 1/4	32	80
1 1/2	40	90
2	50	100
2 1/2	65	105
3	80	125
4	100	160

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PRESSURE BRAND OS & YOKE TYPE RISING STEM SCREWED IS 778 CLASS-1

SALIENT FEATURES

- Product : Pressure Bronze Gate Valve
- Product Standard : IS 778
- Pressure/Class/Rating : Class 1
- Body Material cum Standard : GM (IS 318 Grade LTB2)
- Description Screwed in Bonnet, Outside Screw & Yoke Type Rising Stem
- Type of Seat : Integral Seat.
- Type of Wedge : Solid Wedge
- Trim : Cu - Alloy
- Gland Packing : PTFE
- Ends Details : Screwed Female Thereads to IS : 554 Parallel

TEST PRESSURE (HYDROSTATIC) :

- Body Test Pressure : 1.5 MPa Hyd.
- Seat & Back Seat Test Pressure : 1.0 MPa Hyd.
- Maximum Working Temperature : 45°C

APPLICATION

Water Oil



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PRESSURE BRAND OS & YOKE TYPE RISING STEM SCREWED IS 778 CLASS-1

MATERIALS OF CONSTRUCTION

P.No.	Name of Part	Material of Construction	Specification	Quantity
1	Body	Bronze	IS 318 Gr. LTB 2	1
2	Wedge	Bronze	IS 318 Gr. LTB 2	1
3	Stem	Forged Brass	IS 6912 Gr. LTB 2	1
4	Bonnet	Bronze	IS 318 Gr. LTB 2	1
5	Gland Packing	PTFE	BSEN 12086 – 1	–
6	Gland	Forged Brass	IS 6912 Gr. FLB	1
7	Gland Nut	Forged Brass	IS 6912 Gr. FLB	–
8	Hand Wheel	Sheet Metal (Powder Coated)	– – –	1
9	Name Plate	Aluminium	– – –	1
10	Washer	Carbon Steel (Zinc Plated)	– – –	1
11	Screw/Bolt	Carbon Steel (Zinc Plated)	IS 1367	1

SIZES / DIMENSIONS

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

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PRESSURE BRAND OS & YOKE TYPE RISING STEM SCREWED IS 778 CLASS-2

SALIENT FEATURES

- Product : Pressure Bronze Gate Valve
- Product Standard : IS 778
- Pressure/Class/Rating : Class 2
- Body Material cum Standard : GM (IS 318 Grade LTB2)
- Description Screwed in Bonnet, Outside Screw & Yoke Type Rising Stem
- Type of Seat : Integral Seat.
- Type of Wedge : Solid Wedge
- Trim : Cu - Alloy
- Gland Packing : PTFE
- Ends Details : Screwed Female Thereads to IS : 554 Parallel

TEST PRESSURE (HYDROSTATIC) :

- Body Test Pressure : 2.4 MPa Hyd.
- Seat & Back Seat Test Pressure : 1.6 MPa Hyd.
- Maximum Working Temperature : 45°C

APPLICATION

Water Oil



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PRESSURE BRAND OS & YOKE TYPE RISING STEM SCREWED IS 778 CLASS-2

MATERIALS OF CONSTRUCTION

P.No.	Name of Part	Material of Construction	Specification	Quantity
1	Body	Bronze	IS 318 Gr. LTB 2	1
2	Wedge	Bronze	IS 318 Gr. LTB 2	1
3	Stem	Forged Brass	IS 6912 Gr. LTB 2	1
4	Bonnet	Bronze	IS 318 Gr. LTB 2	1
5	Gland Packing	PTFE	BSEN 12086 – 1	–
6	Gland	Forged Brass	IS 6912 Gr. FLB	1
7	Gland Nut	Forged Brass	IS 6912 Gr. FLB	–
8	Hand Wheel	Sheet Metal (Powder Coated)	– – –	1
9	Name Plate	Aluminium	– – –	1
10	Washer	Carbon Steel (Zinc Plated)	– – –	1
11	Screw/Bolt	Carbon Steel (Zinc Plated)	IS 1367	1

SIZES / DIMENSIONS

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

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PRESSURE BRAND BRONZE GATE VALVE RISING STEM FLANGED IS : 778 CLASS-1

SALIENT FEATURES

- Product : Pressure Bronze Gate Valve
- Product Standard : IS 778
- Pressure/Class/Rating : Class 1
- Body Material cum Standard : GM (IS 318 Grade LTB2)
- Description Screwed in Bonnet, Inside Screwed Rising Stem
- Type of Seat : Integral Seat.
- Type of Wedge : Solid Wedge
- Trim : Cu - Alloy
- Gland Packing : PTFE
- Ends Details : Flanges As per IS : 778 Class 1 F.F. Undrilled

TEST PRESSURE (HYDROSTATIC) :

- Body Test Pressure : 1.5 MPa Hyd.
- Seat & Back Seat Test Pressure : 1.0 MPa Hyd.
- Maximum Working Temperature : 45°C

APPLICATION

Water | Oil



*Also available with Open-Shut Indicator and Locking Device, at a nominal extra price.

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PRESSURE BRAND BRONGE GATE VALVE RISING STEM FLANGED IS : 778 CLASS-1

MATERIALS OF CONSTRUCTION

P.No.	Name of Part	Material of Construction	Specification	Quantity
1	Screw / Bolt	Carbon Steel (Zinc Plated)	IS 1367	1
2	Washer	Carbon Steel (Zinc Plated)	---	1
3	Handwheel	Sheet Metal (Power Coated Paint)/ Cast Iron	--- / IS 210 Gr. FG 200	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	BS EN Gr. 12086 - 1	-
8	Stuffing Box	Forged Brass	IS 6912 Gr. FLB	1
9	Bonnet	Forged Brass	IS 6912 Gr. FLB	1
10	Body	Bronze	IS 318 Gr. LTB 2	1
11	Wedge	Bronze	IS 318 Gr. LTB 2	1
12	Name Plate	Aluminium	---	1

SIZES / DIMENSIONS

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

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PRESSURE BRAND BRONZE GATE VALVE NON RISING STEM FLANGED IS : 778 CLASS-1

SALIENT FEATURES

- Product : Pressure Bronze Gate Valve
- Product Standard : IS 778
- Pressure/Class/Rating : Class 1
- Body Material cum Standard : GM (IS 318 Grade LTB2)
- Description Screwed in Bonnet, Inside Screwed Rising Stem
- Type of Seat : Integral Seat.
- Type of Wedge : Solid Wedge
- Trim : Cu - Alloy
- Gland Packing : PTFE
- Ends Details : Flanges As per IS : 778 Class 1 F.F. Undrilled

TEST PRESSURE (HYDROSTATIC) :

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- Maximum Working Temperature : 45°C

APPLICATION

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MATERIALS OF CONSTRUCTION

P.No.	Name of Part	Material of Construction	Specification	Quantity
1	Screw / Bolt	Carbon Steel (Zinc Plated)	IS 1367	1
2	Washer	Carbon Steel (Zinc Plated)	---	1
3	Handwheel	Sheet Metal (Power Coated Paint)/ Cast Iron	--- / IS 210 Gr. FG 200	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	BS EN Gr. 12086 - 1	-
8	Stuffing Box	Forged Brass	IS 6912 Gr. FLB	1
9	Bonnet	Forged Brass	IS 6912 Gr. FLB	1
10	Body	Bronze	IS 318 Gr. LTB 2	1
11	Wedge	Bronze	IS 318 Gr. LTB 2	1
12	Name Plate	Aluminium	---	1

SIZES / DIMENSIONS

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