RUSHAS
Engineering Co. Pvt. Ltd.

Steam Valves & Boiler Mountings

www.rushasvalves.com

About Us

RUSHAS ENGINEERING CO. PVT LTD. is an ISO 9001:2015 certified company and approved under IBR, founded in the year 1980 by Late Mr. D. V. Salvekar, he had played an important role in the promotion of the company and has established a strong value base.

We are aligned with the boiler Industry and we specialize in manufacturing Ferrous & Non-Ferrous boiler castings along with Steam Valves & Boiler Mountings (IBR), Grate Assemblies including Travelling Grate, Dumping Grate, Pulsating Grate and Mini Travelling Grate (MTG).

We are leading players in the market with large clientele base which includes Thermax, Thyssenkrupp, Forbes Marshall, ISGEC, Thermodyne, Samson Control, Neotech Systems, Maxitherm Boilers, Walchandnagar Industries, Super steam Boilers, and many more. Our basic advantage is that we have a foundry & well-equipped machine shop under one roof. We have been supplying castings to various customers PAN India and we have also exported them to United Kingdom, Australia, South Africa, Mexico, Egypt, Dubai, Malaysia, Thailand and multiple places across the globe.

At RUSHAS, we have promoted a work culture tuned to Customer Requirements through good business practices.

Mission

"To provide best quality products and services to our clients across the globe."

Objective

"To manufacture products with Global Standards and achieve the status of prime source to the industry by providing good quality, excellent services and quick response to the customers."

Quality Assurance

Quality is our main priority and we ensure that our products meet all the international requirements. We submit our products to strict quality checks and inspections by well qualified engineers and supervisors who test them for various parameters like tolerance and dimensions and also the quality of the metal used.

The company has also installed quality system as per the requirements of the desired quality standard to ensure our products are flawless & can offer quality service without frequent maintenance problems.

Bronze Steam Valves

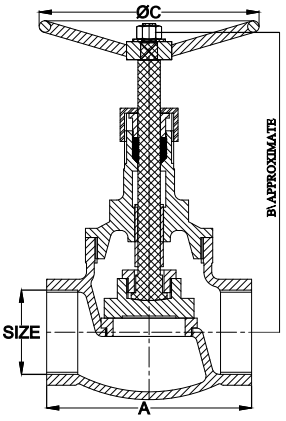
DESCRIPTION	MATERIAL
BODY	BRONZE CONFIRMING TO IS 318 Gr2
CAP	BRONZE CONFIRMING TO IS 318 Gr2
SPINDLE	NON MAGNETIC STAINLESS STEEL
SEAT	NON MAGNETIC STAINLESS STEEL
GLAND	BRASS BAR CONFIRMING TO IS 319
DIAPHRAGM	NON MAGNETIC STAINLESS STEEL
DIAPHRAGM NUT	BRASS BAR CONFIRMING TO IS 319

DESCRIPTION	MATERIAL
BODY	BRONZE CONFIRMING TO IS 318 Gr2
CAP	BRONZE CONFIRMING TO IS 318 Gr2
SEAT	NON MAGNETIC STAINLESS STEEL
DIAPHRAGM	NON MAGNETIC STAINLESS STEEL

Screwed End Valves

STEAM STOP VALVE

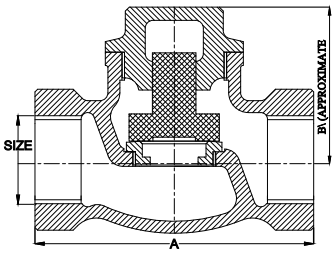
Size	A	B	ØC
mm	mm	mm	mm
15	82	130	80
20	96	160	90
25	105	180	91
40	124	225	115
50	145	240	135



STEAM NON-RETURN VALVE

DIMENSION

Size	A	B
mm	mm	mm
15	82	54
20	96	61
25	105	68
40	124	86
50	145	92

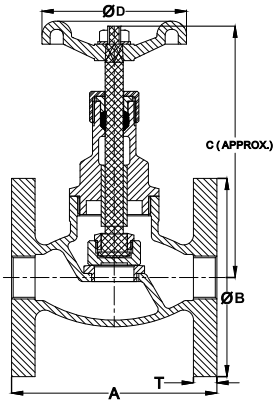


Flanged End Valves

STEAM STOP VALVE

DIMENSION

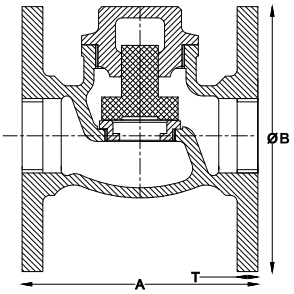
SIZE	A	ØB	C	ØD	T	PCD
mm	mm	mm	mm	mm	mm	mm
15	92	114.3	130	80	12.7	82.5
20	105	114.3	155	90	12.7	82.5
25	117	121	178	90	14.3	87.3
40	140	140	225	115	17.5	104.7
50	165	165	240	135	19.1	127
80	310	203	363	195	22.2	165.1



STEAM NON-RETURN VALVE

DIMENSION

SIZE	A	ØB	T	PCD
mm	mm	mm	mm	mm
15	92	114.3	12.7	82.5
20	105	114.3	12.7	82.5
25	117	121	14.3	87.3
40	140	140	17.5	104.7
50	165	165	19.1	127
80	310	203	22.2	165.1



Bronze Gauge Glass Valve

SPECIFICATIONS	
MATERIAL	BRONZE
END CONNECTIONS	FLANGED
END FLANGES	BS 10 TABLE-H
WORKING PRESSURE	17.5 Kg/sq.cm. & TEMP UP TO 225°C
TESTING PRESSURE	35 kg/sq.cm. HYDRAULIC
SIZE	20 mm

DESCRIPTION	MATERIAL
WATER ARM BODY	BRONZE (IBR 282 A GRADE B)
STEAM ARM BODY	BRONZE (IBR 282 A GRADE B)
DRAIN ARM BODY	BRONZE (IBR 282 A GRADE B)
SEAT	SS 304
SPINDLE	SS 410
DIAPHRAGM	SS 304
BUSH	C.F.T.

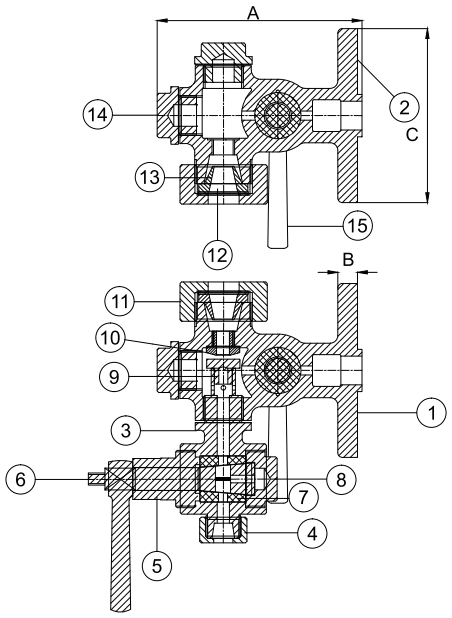
BRONZE GAUGE GLASS VALVE

DIMENSION

SIZE	A	B	ØC	PCD
mm	mm	mm	mm	mm
20	135	13	115	82.5

Features

Automatic shut off in water arm.
Right hand or Left hand Assembly.
Glass Tube and Protector Glass Assembly can be supplied at extra cost.



SG Iron Gauge Glass Valve

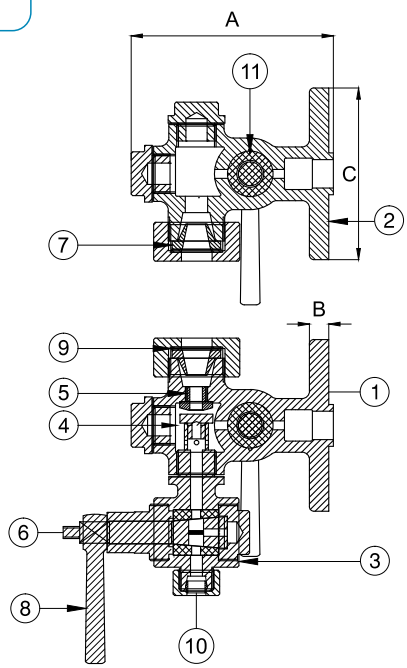
SPECIFICATIONS	
MATERIAL	SG IRON IS 1865
END CONNECTIONS	FLANGED
END FLANGES	BS 10 TABLE-H
WORKING PRESSURE	17.5 Kg/sq.cm. & TEMP UP TO 225°C
TESTING PRESSURE	35 kg/sq.cm. HYDRAULIC
SIZE	20 mm

DESCRIPTION	MATERIAL
WATER ARM BODY	SG IRON IS 1865
STEAM ARM BODY	SG IRON IS 1865
DRAIN ARM BODY	SG IRON IS 1865
SEAT	SS 410 / SS 304
SPINDLE	SS 410 / SS 304
DIAPHRAGM	SS 410 / SS 304
BUSH	C.F.T.

SG IRON GAUGE GLASS VALVE

DIMENSION

SIZE	A	B	ØC	PCD
mm	mm	mm	mm	mm
20	135	13	115	82.5



Cast Iron Steam Valves

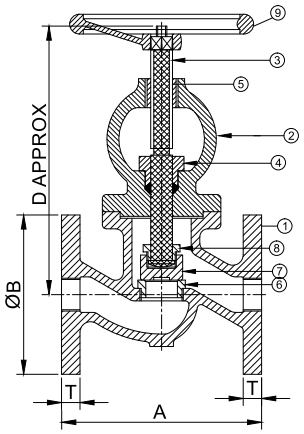
DESCRIPTION	MATERIAL
BODY	CI IS 210 FG 150
BONNET	CI IS 210 FG 150
SPINDLE	S.S. 410
GLAND	CI IS 210 FG 150
BUSH	G.M. IS 318 Gr.2
SEAT	S.S.304
DIAPHRAGM	S.S.304
DIAPHRAGM NUT	BRASS IS 319
HAND WHELL	CAST IRON

SPECIFICATIONS	
CAST IRON STEAM VALVES	STOP VALVE, CHECK VALVE
MATERIAL	CAST IRON
END CONNECTIONS	FLANGED
END FLANGES	BS 10 TABLE-H
WORKING PRESSURE	13 Kg/sq.cm. & TEMP UP TO 220°C
TESTING PRESSURE	26 kg/sq.cm. HYDRAULIC
MANUFACTURING STANDARDS	AS PER BS 1873
TESTING STANDARDS	BS 6755 PART - I
SIZE RANGE	15 - 150 mm

CAST IRON STEAM STOP VALVE

DIMENSION

SIZE	A	ØB	T	D	PCD
mm	mm	mm	mm	mm	mm
15	130	114.3	12.7	185	82.5
20	140	114.3	12.7	205	82.5
25	152	120.7	14.3	218	87.3
40	203	139.7	17.5	258.3	104.7
50	254	165.1	19.05	278	127
80	310	203.2	22.2	344.5	165.1
100	360	228.6	25.4	436	190.5
150	480	305	25.4	511	260.3

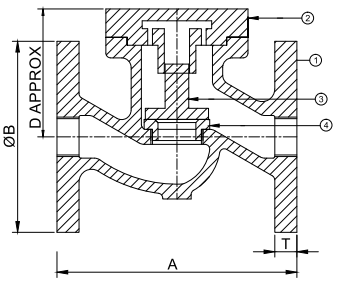


DESCRIPTION	MATERIAL
BODY	CI IS 210 FG 150
COVER	CI IS 210 FG 150
DIAPHRAGM	S.S.304
SEAT	S.S.304

CAST IRON STEAM CHECK VALVE (NRV)

DIMENSION

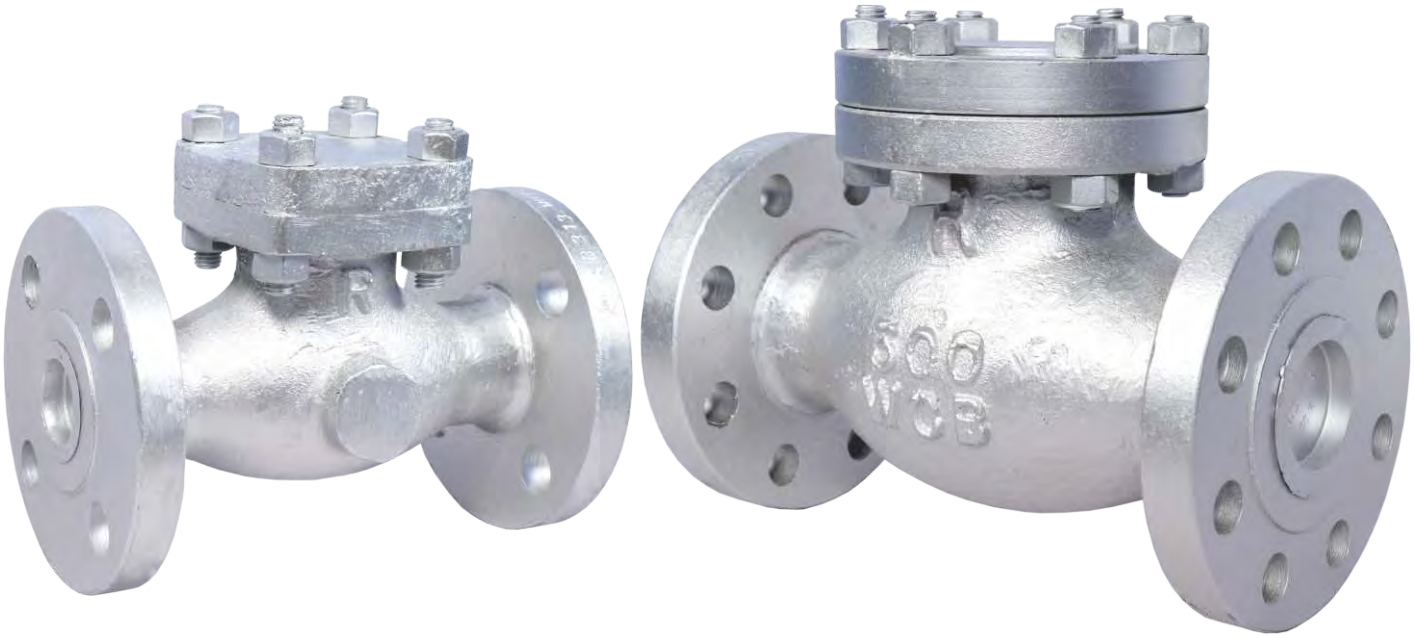
SIZE	A	ØB	T	D	PCD
mm	mm	mm	mm	mm	mm
15	130	114.3	12.7	63	82.5
20	140	114.3	12.7	73	82.5
25	152	120.7	14.3	75	87.3
40	203	139.7	17.5	91	104.7
50	254	165.1	19.05	119	127
80	310	203.2	22.2	152	165.1
100	360	228.6	25.4	176.5	190.5
150	480	305	25.4	195.8	260.3

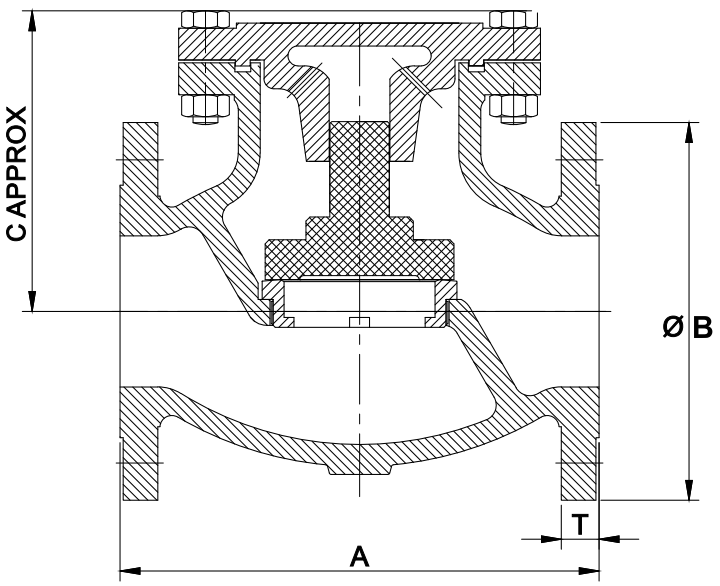


Cast Steel Globe Valves

SPECIFICATION	
MATERIAL	CAST STEEL
END CONNECTIONS	FLANGED
END FLANGES	ANSI B - 16.5
FACE TO FACE	ANSI B - 16.10
WORKING PRESSURE	CLASS 150 - 22 Kg/sq.cm, CLASS 300 - 58 Kg/sq.cm
TESTING PRESSURE	CLASS 150 - 31 Kg/sq.cm. HYDRAULIC CLASS 300 - 78 Kg/sq.cm. HYDRAULIC
MANUFACTURING STANDARDS	AS PER BS 1873
TESTING STANDARDS	BS 6755 PART - I
SIZE RANGE	1 - 6 INCH

DESCRIPTION	MATERIAL
BODY	ASTM A 216 Gr WCB
BONNET	ASTM A 216 Gr WCB
DIAPHRAGM	S.S. 410
SEAT	S.S. 410
GASKET	SPW SS 304WITH CAF
STUD AND NUT	A 193 Gr. B7 / A 194 Gr. 2H





CAST STEEL GLOBE VALVES (NRV)

DIMENSION CLASS 150

SIZE	A	ØB	T	C	PCD
mm	mm	mm	mm	mm	mm
1"	127	108	14.2	75	79.3
1 1/2"	165	127	17.5	89	98.4
2"	203	152	19.1	102	120.6
3"	241	190	23.9	152	152.4
4"	292	229	23.9	166	190.5
6"	406	279	25.4	198	241.3

CAST STEEL GLOBE VALVES (NRV)

DIMENSION CLASS 300

SIZE	A	ØB	T	C	PCD
mm	mm	mm	mm	mm	mm
1"	203	124	17.5	75	88.9
1 1/2"	228.5	156	20.6	97	114.3
2"	267	165	22.3	120	127
3"	318	210	28.4	157	168.2
4"	356	254	31.7	170	200
6"	444	318	36.5	195	269.8

DESCRIPTION	MATERIAL
BODY	ASTM A 216 Gr. WCB
BONNET	ASTM A 216 Gr. WCB
SPINDLE	SS 410
SEAT	SS 410
DIAPHRAGM	SS 410 + STELLITED
HAND WHEEL	C.I./CARBON STEEL
EYE BOLT & NUT	A 193 Gr. B7
CROSS BOLT & NUT	A 194 Gr. 2H
STUD & NUT	A 193 Gr. B7 / A 194 Gr. 2H
GLAND PACKING	GRAPH. ASBESTOS WITH SACRIFICIAL INHIBITOR & INCONEL WIRE REINFORCEMENT

CAST STEEL STEAM STOP VALVE

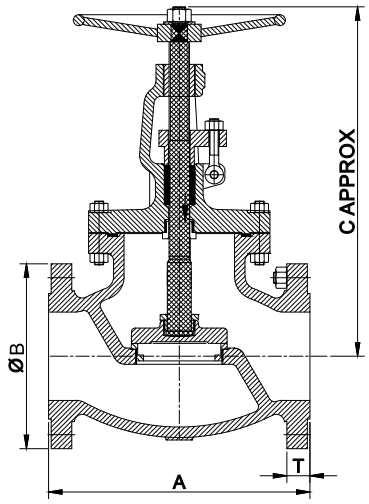
DIMENSION CLASS 150

SIZE	A	ØB	T	C	PCD
mm	mm	mm	mm	mm	mm
1"	127	108	14.2	227	79.3
1 1/2"	165	127	17.5	256	98.4
2"	203	152	19.1	280	120.6
3"	241	190	23.9	360	152.4
4"	292	229	23.9	430	190.5
6"	406	279	25.4	497	241.3

CAST STEEL STEAM STOP VALVE

DIMENSION CLASS 300

SIZE	A	ØB	T	C	PCD
mm	mm	mm	mm	mm	mm
1"	203	124	17.5	224	88.9
1 1/2"	228.5	156	20.6	262	114.3
2"	267	165	22.3	291	127
3"	318	210	28.4	368	168.2
4"	356	254	31.7	430	200
6"	444	318	36.5	600	269.8

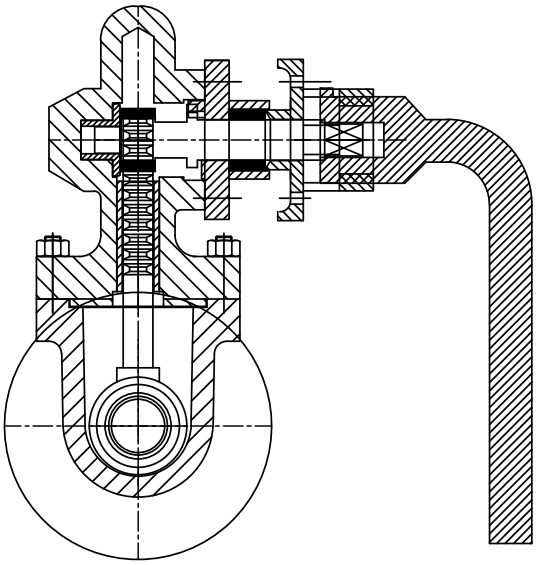


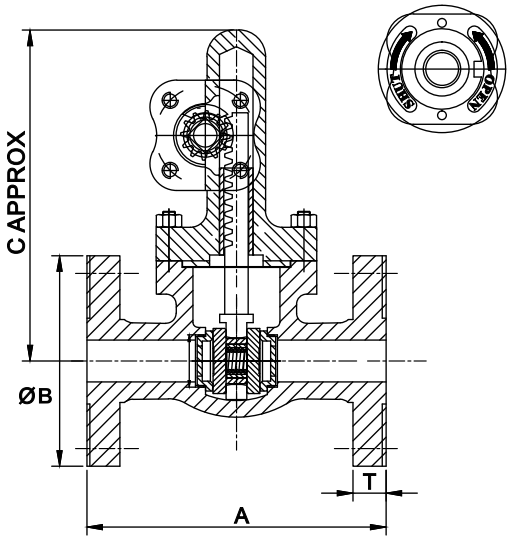
CLASS 150		CLASS 300	
TEST PRESSURE Kg/cm (g)			
HYDROSATIC			
BODY	SEAT	BODY	SEAT
31	22	78	58

Notes :
Flanges drilling as per ANSI B 16.5.
Diamension 'A' confirms to ANSI B 16.10
Brass diaphragm nut is for below 1 1/2" class 150 & 300

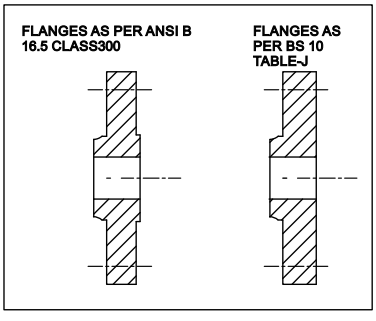
Cast Steel Blowdown Valve (Class 300)

SPECIFICATIONS	
MATERIAL	CAST STEEL
END CONNECTIONS	FLANGED
END FLANGES	ANSI B - 16.5, B.S.10
FACE TO FACE	ANSI B - 16.10
WORKING PRESSURE	CLASS 300 - 52.02 Kg/sq.cm.
TESTING PRESSURE	CLASS 300 - 104.04 Kg/sq.cm. HYDRAULIC
MANUFACTURING STANDARDS	API 602
TESTING STANDARDS	BS 6755 PART - I
SIZE RANGE	1, 1 1/2 ,2 INCH





DIMENSION						
SIZE	FLANGES	A	ØB	C	T	PCD
1	ANSI CLASS 300	203	124	198	17.5	88.9
1	TABLE - J	203	121	198	20	87.3
1 1/2	ANSI CLASS 300	267	155.5	245.5	20.5	114.3
1 1/2	TABLE - J	267	140	245.5	22.2	104.7
2	ANSI CLASS 300	305	165.1	289.5	22.23	127
2	TABLE - J	305	165.1	289.5	25.4	127



DESCRIPTION	MATERIAL
BODY	ASTM A 216 Gr. WCB
BONNET	ASTM A 216 Gr. WCB
RACK	SS 410
GLAND FLANGE	ASTM A 216 Gr. WCB
PINION	SS 410
SEAT	SS 410
DIAPHRAGM	SS 410
SPRING	SPRING STEEL
SEAT & DIAPHRAGM FACING	STELLITED
STUFFING BOX	ASTM A 216 Gr. WCB
GLAND PACKING	GRAPH NON ASB WITH SACRIFICAL INHIBITOR & INCONEL WIRE REINFORCEMENT
GASKET	SPW S/S 304 WITH CAF

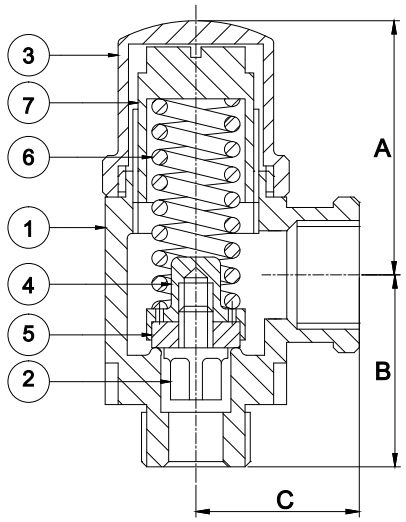
Relief Safety Valve

SPECIFICATIONS	
MATERIAL	BRONZE
END	CONNECTIONS SCREWED
MAX BLOW OFF PRESSURE	250 PSI (17.3 BAR GUAGE)
MIN BLOW OFF PRESSURE	5 PSI (0.34 BAR GUAGE)
SIZE RANGE	1/2 INCH

G.M. CONFIRMING TO IS 318 GR. 2 & BRASS CONFIRMING TO IS 319

DESCRIPTION	MATERIAL
BODY	G.M.
STEAM	G.M.
CAP	G.M.
DIAPHRAGM	G.M.
TEFLON WASHER	PTFE
SPRING	SPRING STEEL
TENSION ADD.	G.M.

DIMENSION			
SIZE	A	B	C
1/2”	49	37	31.5



Installation Advice : Outlet from the safety valve should be arranged to discharge at a safe place where it is visible it should not cause damages or injury to persons.

Bronze Fusible Plug

One Piece Waterside / Wet

SPECIFICATIONS	
MATERIAL	BRONZE (AS PER IBR REG 282 (a) Gr. B)
END CONNECTIONS	SCREWED BSPT
MANUFACTURING STANDARDAS	PER IBR 1950 cl 331-334
TESTING STANDARDAS	PER IBR 1950 cl 290 a
CERTIFICATION	IBR approved
SIZES	½ inch -1 inch

TYPES		
SIZE (INCHES)	PRESSURE (Kg/Cm2)	MELTING TEMPERATURE
1	17.5	265°C
1	10.5	240°C
3/4	17.5	265°C
3/4	10.5	240°C
1/2	10.5	269°C
1/2	17.5	292°C

Two Piece Waterside / Wet

SPECIFICATIONS	
MATERIAL	BRONZE (AS PER IBR REG 282 (a) Gr. B)
END CONNECTIONS	SCREWED BSPT
MANUFACTURING STANDARDAS	PER IBR 1950 cl 331-334
TESTING STANDARDAS	PER IBR 1950 cl 290 a
CERTIFICATION	IBR approved
SIZES	3/4 inch -1 inch

TYPES		
SIZE (INCHES)	PRESSURE (Kg/Cm2)	MELTING TEMPERATURE
1	17.5	265°C
1	10.5	240°C
3/4	17.5	265°C
3/4	10.5	240°C

One Piece Fireside / Dry

SPECIFICATIONS	
MATERIAL	BRONZE (AS PER IBR REG 282 (a) Gr. B)
END CONNECTIONS	SCREWED BSPT
MANUFACTURING STANDARDAS	PER IBR 1950 cl 331-334
TESTING STANDARDAS	PER IBR 1950 cl 290 a
CERTIFICATION	IBR approved
SIZES	1/2 inch -1 inch

TYPES		
SIZE (INCHES)	PRESSURE (Kg/Cm2)	MELTING TEMPERATURE
1	17.5	265°C
1	10.5	240°C
3/4	17.5	265°C
3/4	10.5	240°C
1/2	10.5	269°C
1/2	17.5	292°C

Steel Fusible Plug (For High Pressure Boilers)

One Piece Waterside / Wet

SPECIFICATIONS	
MATERIAL	ASTM A351 Gr CF8
END CONNECTIONS	SCREWED BSPT
MANUFACTURING STANDARDAS	PER IBR 1950 cl 331-334
TESTING STANDARDAS	PER IBR 1950 cl 290 a
CERTIFICATION	IBR approved
SIZES	½ inch -1 inch

TYPES		
SIZE (INCHES)	PRESSURE (Kg/Cm2)	MELTING TEMPERATURE
1	21	300°C
1	27.5	313°C
3/4	21	300°C
3/4	27.5	313°C
3/4	32	321°C
1/2	21	300°C
1/2	27.5	313°C
1/2	32	321°C
1/2	35	326°C
1/2	31	320°C

Note : 1/2” & 3/4” Fusible Plugs are available in 11 & 14 TPI
Where as 1” Fusible Plug available in 11 TPI

Our Clients

OEM's

Small Boilers

Large Boilers

Export

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