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CONTINUOUS & INTERMITTENT BLOWDOWN VALVES

SERIES 320

INDITECH VALVES PVT. LTD.

Values 'n' Valves

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Introduction

The primary function of a blowdown valve is to control the concentrations of suspended and total dissolved solids (TDS) in the boiler. Continuous Blowdown (CBD) valves are designed to operate in continuous open position by releasing water continuously, whereas Intermittent Blowdown (IBD) valves are designed to operate at predetermined intervals by releasing water and accumulated sludge periodically. Boiler blowdown is a severe service application owing to the high pressure drop in flashing water which results in rapid erosion and wearing out of conventional valves.

Technical Data

Size	1" / 1½" / 2" / 2½" / 3" NB
Pressure Rating	ANSI #300 / #600 / #900 / #1500 / #2500
End Connections	Flanged / Socket Weld / Butt Weld
Body Material	A105 / A182 F11 / A182 F22
Operation	Manual / Motorized
CBD Orifice Size	1/8" / 3/16" / 1/4" / 5/16" / 3/8" / 7/16" / 1/2"/ 5/8" / 3/4" / 7/8" / 1"
Bonnet	Standard Bolted / Pressure Seal
Types	320-C, 320-CS, Continuous Blowdown Valve 320-I, 320-IS, Intermittent Blowdown Valve

Features

- **Angle type design** - Ensures that the blowdown valve is practically entirely self-draining.
- **Separate trim for CBD and IBD** - CBD has single step trim with venturi diffuser, whereas IBD has multi-step pressure reducing trim.
- **Pressure seal bonnet for ANSI #1500 and #2500** - Eliminates body-bonnet leakage at high pressures.
- **Stellited plug-spindle and seat** - Provides maximum resistance against erosion, wire-drawing and ensures long service life.
- **Multiple design options** - Both compact and heavy duty designs available.
- **Integral plug-spindle** - Eliminates problem of vibration and chatter.
- **Extra-long gland packing** - Maintains tight seal even at high temperatures.
- **Roller burnished plug-spindle** - Ensures minimum friction and zero gland leakage.
- **Special lift indicator** - Lift indicator is provided with customized scale for easy determination of blowdown flow rate at various openings.
- **Quick and easy installation, dismantling and maintenance** - Made possible by the modular design.

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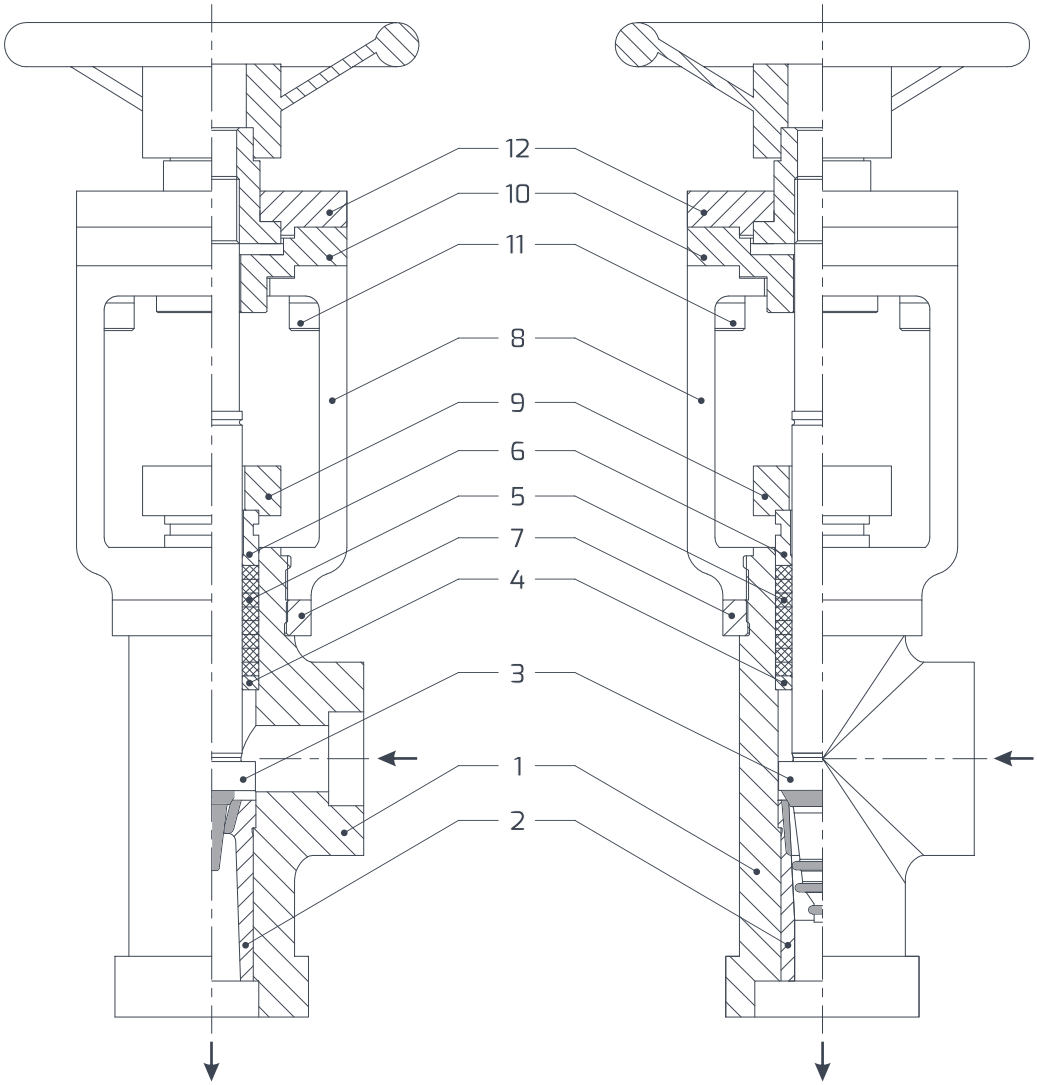
Compact Blowdown Valves



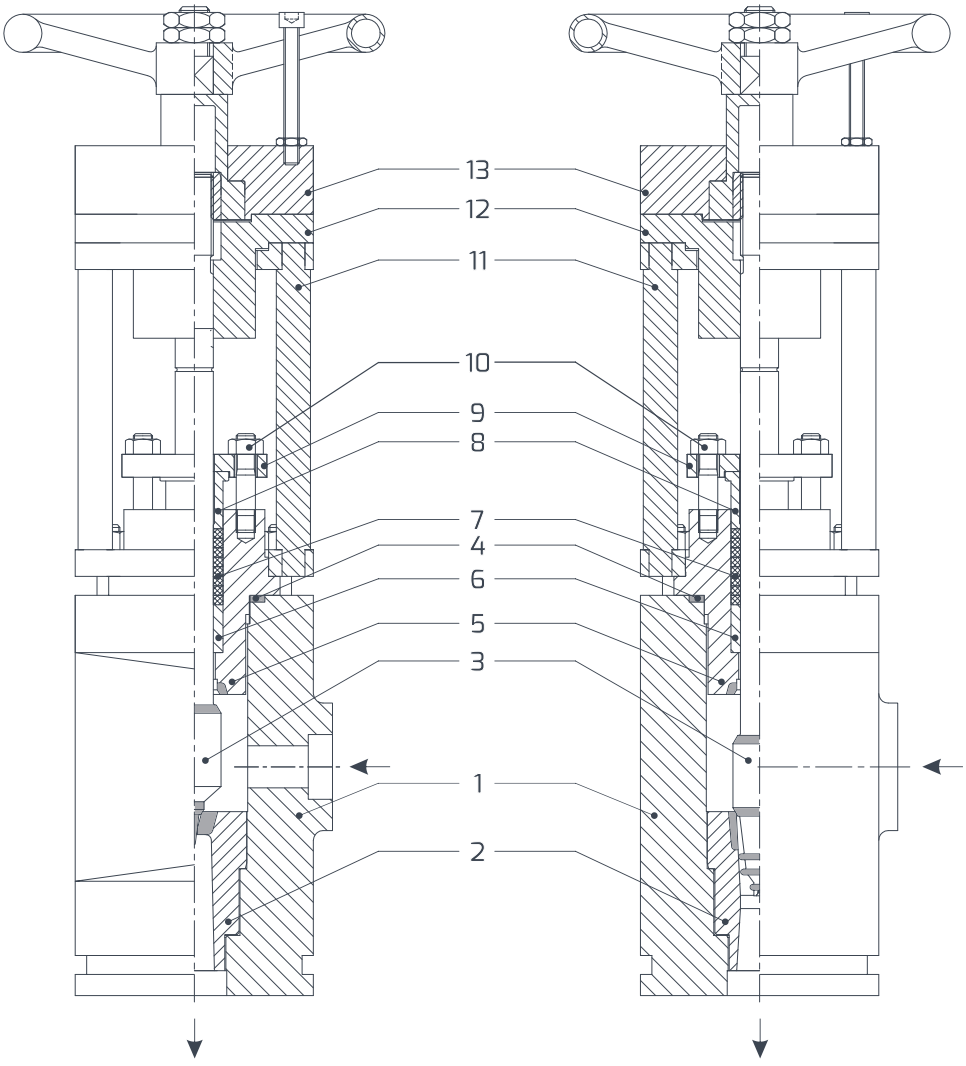
CBD
Model 320-CS

IBD
Model 320-IS

Part Details

Sr. No.	Part Name	Material
1	Valve Body	A105
2	Seat	18/8 SS Stellited
3	Plug - Spindle	SS 431 Stellited
4	Guide Bush	SS 431
5	Gland Packing	Graphite
6	Gland Follower	SS 431
7	Lock Ring	C20
8	Support	SG 400/12
9	Gland Flange	C20
10	R/L Sleeve	SG 400/12
11	Cap Screw	IS 1367 Gr. 10.9
12	Actuator / Manual Assy.	-

Heavy Duty Blowdown Valves



CBD
Model 320-C

IBD
Model 320-I

Part Details

Sr. No.	Part Name	Material
1	Valve Body	A105 / A182 F11 / A182 F22
2	Seat	18/8 SS Stellited
3	Plug - Spindle	SS 431 Stellited
4	Gasket	Graphite + SS 316
5	Bonnet	A105 / A182 F11 / A182 F22 Stellited
6	Guide Bush	SS 431
7	Gland Packing	Graphite
8	Gland Follower	SS 431
9	Gland Flange	Carbon Steel
10	Stud - Nut	A193 B7 - Gr. 8
11	Support	Carbon Steel
12	R/L Sleeve	Carbon Steel
13	Actuator / Manual Assy.	-

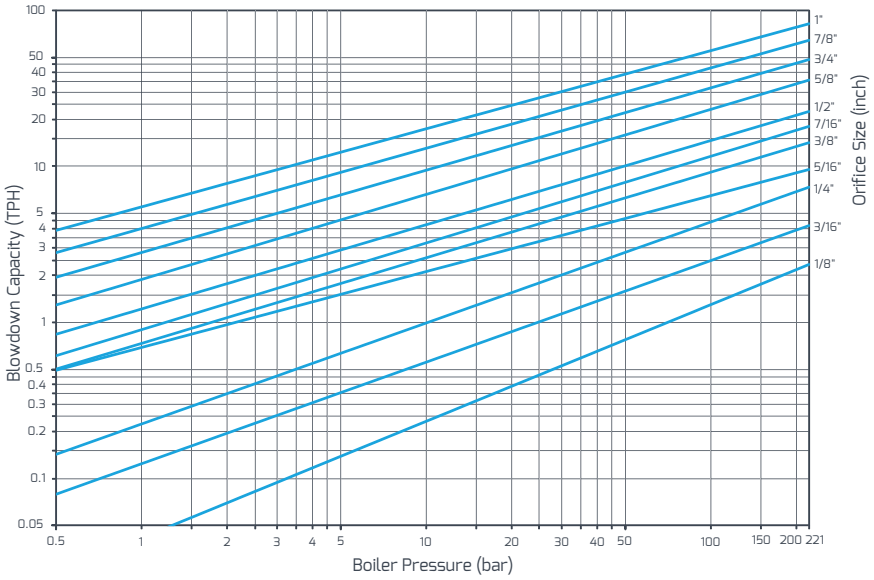
Continuous Blowdown Valve

Single Step Trim

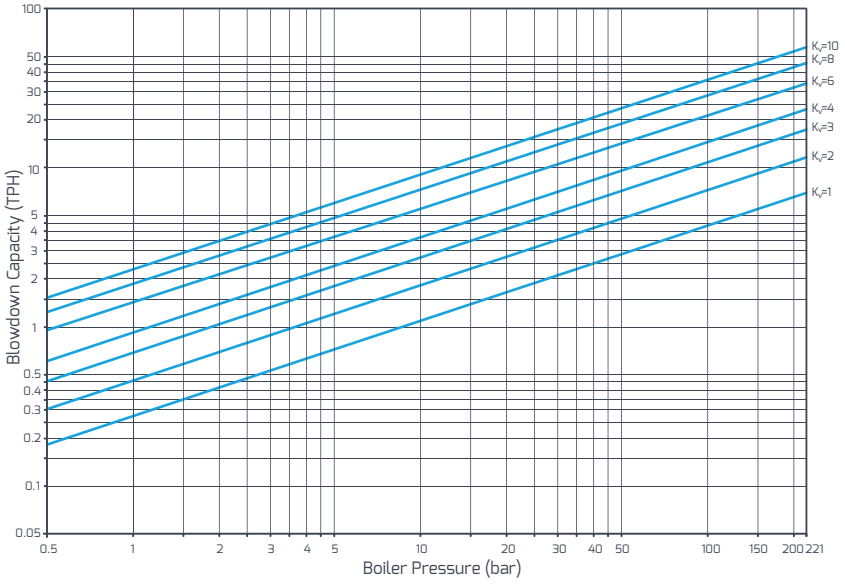
Intermittent Blowdown Valve

Multi Step Trim

Flow Rate Chart for Continuous Blowdown Valve



Flow Rate Chart for Intermittent Blowdown Valve



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Some of our Esteemed Customers

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