

## CS-11 Cast Steel Blow Off Valve

### Description

- NETA Cast Steel (ASTM A216 Gr. WCB) Parallel Slide Blow Off Valve
- With Monel / 18/8% Cr/Ni Stainless Steel (ASTM A351 Gr.CF8) Working Parts
- Rack and Pinion Operated
- Flanged BS-10 Table 'J' Ends
- With Operating Key

### Test Pressure

Max. BOP : 350 PSIG

Max. Working Temperature : 454°C

Test Pressure : 700 PSIG Hyd.

### Design Features

- These Valves embody the advantage and operation of Parallel Slide Valves offering unobstructed straight through full way flow area.
- The spring sandwiched between the two discs keeps the faces in sliding contact when under zero or low pressure conditions and thus removes any dirt or foreign matter from the contact faces.
- Effective closure is achieved by the up stream pressure forcing the disc face at the outlet end against its mating body seat.
- Operating Rack and Pinion arrangement gives full opening with half a turn of the operating key.
- Safety locking guard feature is incorporated in the gland which prevents the removal of box operating key unless the valve is closed.
- The pinion is provided with a stop which limits the rotary movement and eliminates straining of the tooth on rack and pinion.



### Certification

IBR Test Certificate in FORM III-C duly signed by the Director of Boilers, Punjab is provided.

### Application : Steam, Water

**HSN : 84818010**

### Materials

PNo.	Part	Nos.	Material	Standard
1	Bonnet	1	Cast Steel	ASTM A216 Gr.WCB
2	Studs and Nuts For Gland	2 Each	M.S.	IS:1367
3	Rack	1	S.S. 18/8% Cr./Ni	ASTM A351 Gr.CF8
4	Body	1	Cast Steel	ASTM A216 Gr.WCB
5	Gasket	1	S.S. (AISI - 304) Spiral Wound Asbestos Filled / C.A.F. (IS:2712)	-
6	Body Seat Ring	2	Monel	Ni.Cu. Alloy
7	Male Disc	1	Monel	Ni.Cu. Alloy
8	Female Disc	1	Monel	Ni.Cu. Alloy
9	Spring	1	Spring Steel	IBR 307
10	Pinion	1	S.S. 18/8% Cr./Ni	ASTM A351 Gr.CF8
11	Gland	1	Bronze	IBR 282[a][iv] Gr.B
12	Gland Packing	-	Graphited Asbestos	-
13	Stuffing Box	1	Cast Steel	ASTM A216 Gr.WCB
14	Gasket	1	S.S. (AISI - 304) Spiral Wound Asbestos Filled / C.A.F. (IS:2712)	-
15	Studs and Nuts for Body and Bonnet	To Suit	Alloy Steel / M.S. and H.T.Steel / M.S.	ASTM A193 Gr.B7 / IS:1367 and ASTM A194 Gr.2H / IS:1367



**Dimensions**

Nominal Size (Inches)	Nominal Size (mm)	L ±1.5	H App.
1	25	184	176
1.1/4	32	210	214
1.1/2	40	242	225
2	50	284	265
2.1/2	65	305	275

