

## CS-22 Cast Steel Spring Loaded Full Lift Single Post Safety Valve

### Description

- NETA Cast Steel Spring Loaded, Full Lift, Single Post Safety Valve
- S.S. 13% Cr. AISI-410 + ST.6 Seat and Body Ring and S.S. 13% Cr. (AISI-410) Stem
- Inlet Flange End as per ASME B16.5 Class-300 Raised Face
- Outlet Flange End as per ASME B16.5 Class-150 Raised Face

### Test Pressure

Max. BOP : 250 PSIG

Max. Working Temperature : 400°C

Test Pressure : 500 PSIG(Hyd.)

### Design Features

- Full lift is achieved by rapid opening within an over pressure of 5% of the Set Pressure.
- Each safety Valve is provided with an easing lever.
- To avoid unauthorised alteration of set pressure each Valve is provided with adjusting screw and checknut, concealed under a cap with Pad Lock.

### Certification

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

### Application : Steam

**HSN : 84818010**

### Materials

PNo.	Part	Nos.	Material	Standard
1	Cap	1	C.I.	IBR 86 to 93 Gr.A
2	Locking Pin	1	Bronze	IBR 282(a)(iv) Gr.B
3	Stem	1	S.S. 13% Cr.	AISI - 410
4	Adjusting Screw	1	Bronze	IBR 282(a)(iv) Gr.B
5	Easing Lever	1	Cast Iron	IBR 86 to 93 Gr.A
6	Gasket	1	Spiral Wound S.S. 304 Graphoil Filler with Inner Ring	-
7	Disc Guide	1	Bronze	IBR 282(a)(iv) Gr.B
8	Locking Screw	1	M.S.	IS:1367
9	Blow Down Ring	1	Bronze	IBR 282(a)(iv) Gr.B
10	Body Seat Ring	1	S.S. 13% Cr.	AISI - 410
11	Body	1	Cast Steel	ASTM A216 Gr. WCB
12	Pad Lock	1	M.S.	-
13	Check Nut	1	Bronze	IBR 282(a)(iv) Gr.B
14	Bush	1	Bronze	IBR 282(a)(iv) Gr.B
15	Upper Spring Disc	1	M.S./ S.S. 13% Cr.	IS:1367/ AISI-410
16	Spring	1	Carbon Steel	IBR-307 (a)
17	Spring Chamber	1	Cast Steel	ASTM A216 Gr.WCB
18	Lower Spring Disc	1	M.S. / S.S. 13% Cr.	IS:1367/AISI-410
19	Nuts & Studs	To Suit	M.S.	IS:1367
20	Disc	1	S.S. 13% Cr.	AISI - 410

### Dimensions

Nominal Size (mm)	A±1	B	C(MIN.)	A'±1	C'(MIN.)	F±3	G±3	H
25	124	25	18	110	16	90	108	283
40	156	40	22	127	18	102	120	343





ISO 9001:2015 & ISO 14001:2015 CERTIFIED

Nominal Size (mm)	A±1	B	C(MIN.)	A'±1	C'(MIN.)	F±3	G±3	H
50	165	50	24	152	20	121	140	407
65	190.5	65	26	178	22	135	152	483
80	210	80	30	190.5	24	160	178	550
100	255	100	32	230	26	186	190	637

