

## CS-17 Cast Steel Spring Loaded Full Lift Single Post Safety Valve

### Description

- Neta Cast Steel Spring Loaded, Full Lift, Single Post Safety Valve.
- 18/8% Cr./Ni (AISI-304) / Monel (Ni Cu Alloy) Seat and Body Ring and 18/8% Cr./ Ni/ (AISI-304) Stem.
- Inlet Flange to Class-300 as per ASME B16.5.
- Outlet Flange to Class-150 as per ASME B16.5.

### Test Pressure

Max. BOP : 250 PSIG

Max. Working Temperature : 425°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	Cast Iron	IBR 86 to 93 Gr.A
2	Locking Pin	1	Bronze	IBR 282[a][iv] Gr.B
3	Stem	1	S.S. 18/8% Cr./Ni.	AISI - 304
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	2	C.A.F. (Graphited)	IS:2712
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. 18/8% Cr./Ni./ Lumina	AISI - 304 / Ni. Cu. Alloy
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	Bronze / S.S. 13%Cr.	IBR 282[a][iv] Gr.B / ASTM A182 Gr. F6a / 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	Bronze / S.S. 13%Cr.	IBR 282[a][iv] Gr.B / ASTM A182 Gr. F6a / AISI - 410
19	Studs & Nuts	To Suit	Alloy Steel / H.T. Steel	ASTM A193 Gr. B7 / ASTM A 194 Gr. 2H
20	Disc	1	S.S. 18/8% Cr./Ni./ Lumina	AISI - 304 / Ni. Cu. Alloy

### Dimensions

Nominal Size (mm)	D	H	H'(App.)
25 x 40	124	104	345



Nominal Size (mm)	D	H	H'(App.)
25 x 50	140	124	410
40 x 50	140	124	410
50 x 80	178	162	552
80 x 100	190	188	640

