

CAST STEEL

SPRING LOADED SAFETY VALVE

EFFICIENT PERFORMANCE

DESCRIPTION :

'WJ' Cast Steel Spring Loaded Safety Valve with 13% Cr. Stainless Steel (AISI-410) Seat and stem are manufactured in Single Post Full Lift Design. These Safety Valves are set at max. Pressure of 250 PSIG (17.58 Kg/Cm²).

SALIENT FEATURES :

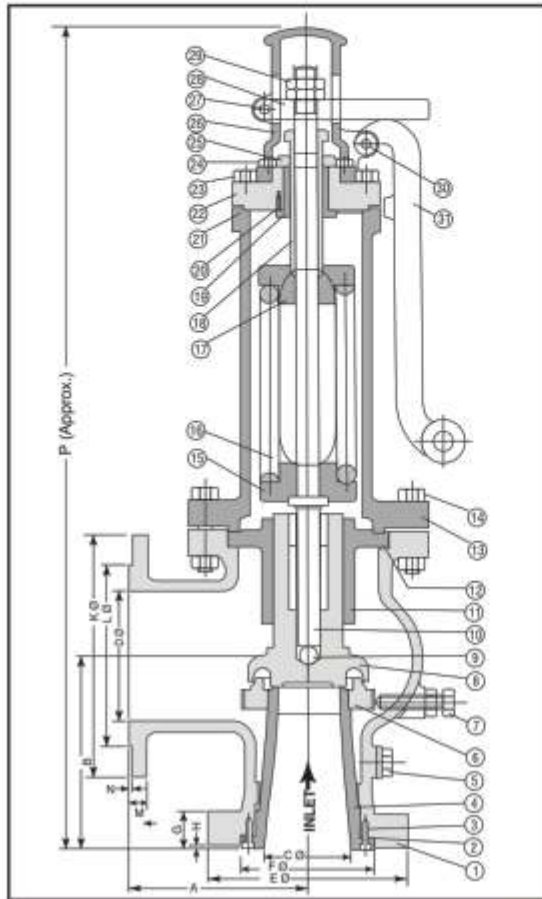
1. These Safety Valves are designed in such a way that instantaneous full lift of the seat is achieved.
2. Each Safety Valve is provided with an easing lever.
3. To avoid unauthorised alteration to the Set Pressure the adjusting screw and check nut are consealed by a cap which is attached to the Valve spindle by fork and pin.

TESTING AND CERTIFICATION :

All Safety Valve Bodies are tested at 500 PSIG (35.15 Kg/Cm²) Hydraulic Pressure. All Valves are set at max. steam Pressure of 250 PSIG (17.58 Kg/Cm²)

Each Valve is supplied with IBR Test Certificate in Form III-C issued by The Director of Boilers, Punjab.





DIMENSIONS				
Valve Size	A	B	C	D
25 x 40	100	95	26	40
40 x 50	130	110	40	50
50 x 80	140	130	50	80
65 x 90	155	160	65	90
80 x 100	200	190	80	100
100 x 150	205	220	100	150

INLET FLANGE				
Valve Size	E	F	G	H
25 x 40	121	63.5	21.5	1.6
40 x 50	140	82.5	23.5	1.6
50 x 80	165.1	101.6	28.5	1.6
65 x 90	184.2	114.5	28.5	1.6
80 x 100	203	127	32	1.6
100 x 150	228.6	152	38	1.6

OUTLET FLANGE					
Valve Size	K	L	M	N	P
25 x 40	133.5	82.5	14.5	1.6	432
40 x 50	152.5	92	14.5	1.6	515
50 x 80	184.2	127	14.5	1.6	580
65 x 90	203.2	140	14.5	1.6	675
80 x 100	216	152	18	1.6	855
100 x 150	279.4	209.5	18	1.6	1030

MATERIALS

PART No.	NAME OF PART	MATERIAL	SPECIFICATION
1.	Body	C.S.	IBR 73 to 80
2.	Gasket	C.A.F.	IS-2712
3.	Allen Key Bolt	Steel	----
4.	Orifice Nozzle	13% Cr. S.S.	AISI-410
5.	Side Plug	Bronze	IBR-282 (a) (IV) Gr. B
6.	Regulating Ring	Bronze	IBR-282 (a) (IV) Gr. B
7.	Locking Screw	Extruded Brass Rod	----
8.	Valve Disc	13% Cr. S.S.	AISI-410
9.	Ball	S.S.	AISI-304
10.	Stem	S.S.	AISI-410
11.	Valve Disc Retainer	S.S.	AISI-410
12.	Gasket	C.A.F.	IS-2712
13.	Chamber	C.I.	IBR-86 To 93 Gr. A
14.	Bolts & Nuts	Carbon Steel	----
15.	Lower Spring Disc	C.I.	IBR-86 To 93 Gr. A
16.	Spring	Spring Steel	----
17.	Upper Spring Disc	C.I.	IBR-86 To 93 Gr. A
18.	Spring Adjusting Screw	Bronze	IBR-282 (a) IV Gr. B
19.	Bush	Bronze	IBR-282 (a) IV Gr. B
20.	Locking Screw	M.S.	----
21.	Gasket	C.A.F.	IS-2712
22.	Cover Flange	C.I.	IBR-86 To 93 Gr. A
23.	Bolts & Nuts for Cover Flange	Carbon Steel	----
24.	Bolts for Housing Cover	M.S.	----
25.	Check Nut	Bronze	IBR-282 (a) IV Gr. B
26.	Housing Cover	C.I.	IBR-86 To 93 Gr. A
27.	Pin for Fork	S.S.	AISI-410
28.	Fork	M.S.	----
29.	Lock Nut	Bronze	IBR-282 (a) IV Gr. B
30.	Pin for Easing Lever	S.S.	AISI-410
31.	Easing Lever	M.I.	----