

Specification for Spring Loaded Pressure Safety Relief Valve (IBR Certified)

Type	Full Nozzle type Spring Loaded Safety-Relief Valve. IBR Certified.
Duty	To handle steam at pressure =25(Max.) Kg/cm ² at temp. 300° C.
Design	Full nozzle type connected with threaded to the valve inlet flange with Single blow down ring, Precision finish to ensure maximum tightness for metal to metal seat and Balanced Bellows
Set Pressure	10.90 Kg/cm ²
Inlet Size	40NB
Out Let Size	50NB
Inlet Flange Detail	OD=127, ID=63, Thk. =18mm, No of Holes=4, Hole Dia=ø16mm, Flanged drilled as per ANSI CL150
Accessories	Open Lever (Double Acting Lever)
Make	Falnger Leser/Levcon/Farris or Equivalent

Material of construction

Body, Bonnet, Cap, Plain Screwed	ASTM A216 Gr. WCB Carb. St.
Disc	Hardened PH St. St.
Nozzle	ASTM A351 Gr CF8 St. St.
Disc Holder, Blow down ring, Sleeve Guide	ASTM A351 Gr CF8 St. St.
Stem, Spring Adjusting Screw, Jam Nut, Lock Screw Lock Screw	AISI 416 St. St.
Stem Retainer	Hardened PH St. St.
Spring	Card. St. – Rust Proofed
Pipe Plug	Steel

Notes-

(a)the party shall submit following with the offer

I.Complete description and illustrative catalogue /literature

II.Detailed cross section drawing with parts/material list.

On failure to submit documents as specified the offer is likely to be rejected.

(b)The party shall submit the following documents along with supply of material

I.material test certificate (in this suppliers must indicate clearly chemical composition and physical properties)

II.Hydraulic test certificate.

III. IBR certificate in Form IIIC duly signed by inspecting authorities for valve meant for steam service.

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