AV-285 Cast Carbon Steel Full Lift Safety Valve Right Angle Pattern, Flanged Ends IBR Approved

Features

Type of Pattern	Right Angle Pattern
Body Material Cum Standard	Cast Carbon Steel (ASTM A216 Gr. WCB)
Product Description	Spring Loaded, Full Lift
Type of Seat	Renewable Seat
Type of Disc	Renewable Disc
Trim	13% Cr. (SS 410) + Stellited Facing
End Details	Inlet Flanged Ends as per BS-10 Table-H Flat Face (Undrilled), Outlet Flanged Ends as per BS-10 Table-D Flat Face (Undrilled)
Test Pressure	Body: 500 Psig (Hyd.)
Max. Working Pressure	250 Psig (Steam)
Max. Working Temperature	400°C
Max. Set Pressure	250 Psig (Steam)



Notes

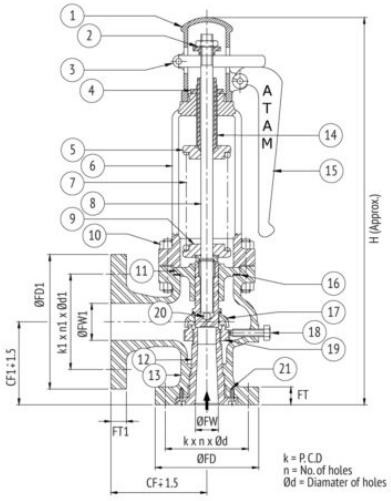
Test Certificate in Form III-C as per IBR is furnished with every supply.

Suitability

Steam

Material Combination

S.No	Description	No.	Material
1	Cap	1	Cast Iron
2	Locking Nut	1	Bronze
3, 6, 11	Fork, Bonnet, Disc Guide	1	C.C.S.
4, 8	Check Nut, Stem	1	Stainless Steel
5, 9	Upper / Lower Spring Disc	1	C.C.S. / Carbon Steel
7, 18	Spring, Bolt	1	Carbon Steel
10	Bolts / Studs & Nuts	To Suit	Carbon Steel
12	Nozzle	1	Stainless Steel
13	Body	1	C.C.S.
14	Adjusting Screw	1	Stainless Steel
15	Handle	1	S.G. Iron / C.I.
16	Gasket	1	C.A.F.
17	Disc	1	C.S.S. / S.S.
19	Regualting Ring	1	Bronze
20	Ball	1	Stainless Steel
21	Screw	4	Carbon Steel



Dimensional Data

Table – H

Size (mm)	CF	ØFW	ØFD	FT	k	n	Ød
25 x 40	100	26	120.7	14.3	87.3	4	17.5
40 x 50	130	40	139.7	17.5	104.8	4	17.5
50 x 80	140	50	165.1	19.1	127	4	17.5
80 x 100	200	76	203.2	22.3	165.1	8	17.5
100 x 150	205	100	228.6	25.4	190.5	8	17.5

Table – D

Size (mm)	CF1	ØFW1	ØFD1	FT1	k1	n1	Ød1	H
25 x 40	95	40	133.4	12.7	98.4	4	14.3	435
40 x 50	112	50	152.4	14.3	114.3	4	17.5	520

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Size (mm)	CF1	ØFW1	ØFD1	FT1	k1	n1	Ød1	H
50 x 80	130	76	184.2	14.3	146.1	4	17.5	580
80 x 100	190	100	215.9	17.5	177.8	4	17.5	860
100 x 150	220	152	279.4	17.5	235	8	17.5	1035

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