AV-283 Cast Carbon Steel Single Post Hi-Lift Safety Valve, 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, High 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

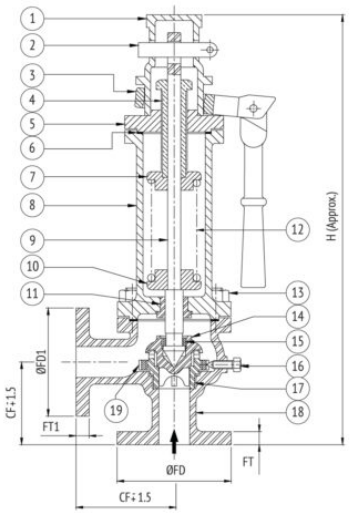
Test Certificate in Form III-C as per IBR is furnished with every supply.

Suitability

Steam

Material Combination

S.No	Description	No.	Material	Specifications
1, 3, 5	Cap, Lever, Cover	1	Cast Iron	IBR 86 to 93 Gr. A
2	Cotter	1	Bronze	IBR 282 (a) (iv) Gr. B
4	Adjusting Screw	1	Stainless Steel	AISI 410
6	Gasket	2	C.A.F.	–
7	Upper Spring Disc	1	Cast Iron	IBR 86 to 93 Gr. A
8	Spring Chamber	1	Cast Iron	IBR 86 to 93 Gr. A
9	Stem	1	Stainless Steel	ASTM A 276 Type 410
10	Lower Spring Disc	1	Cast Iron	IBR 86 to 93 Gr. A
11, 15	Bush, Ring	1	Bronze	IBR 282 (a) (iv) Gr. B
12	Spring	2	Carbon Steel	IBR 307 to 314
13	Bolts & Nuts	To Suit	Carbon Steel	–
14	Disc	1	Stainless Steel	ASTM A 217 Gr. CA15 / ASTM A 276 Type 410
16	Screw	1	Carbon Steel	–
17	Body Seat Ring	1	Stainless Steel	ASTM A 276 Type 410 + Stellite
18	Body	1	C.C.S.	IBR 73 to 80
19	Adjusting Ring	1	Bronze	IBR 282 (a) (iv) Gr. B



Dimensional Data

Size (mm)	CF	CF1	ØFD	FT	ØFD1	FT1	H
25	108	89	120.7	14.3	114.3	9.5	455
40	121	102	139.7	17.5	133.4	12.7	525
50	140	121	165.1	19.1	152.4	14.3	580

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