AV-285A Cast Carbon Steel Full Lift Safety Valve Right Angle Pattern, Flanged Ends, Class-300

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 ASME B16.5 Class-300, Outlet Flanged Ends as per ASME B16.5 Class-300
Test Pressure	Body: 700 Psig (Hyd.)
Max. Working Pressure	350 Psig (Steam)
Max. Working Temperature	400°C
Max. Set Pressure	350 Psig (Steam)

Notes

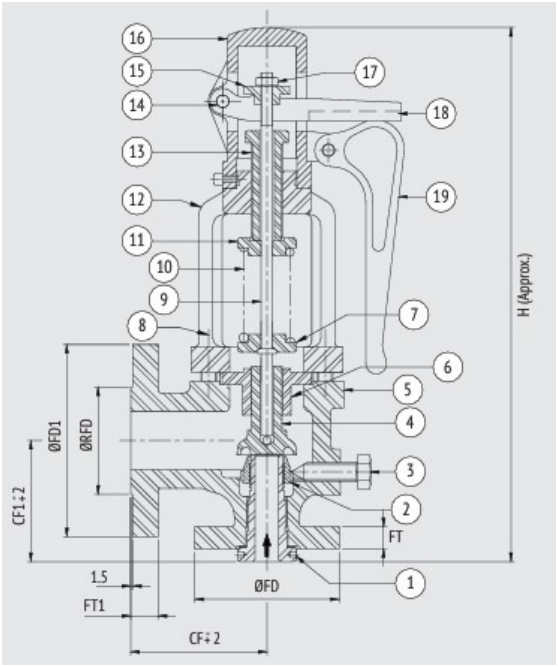
Test Certificate in Form III-C as per IBR is furnished with every supply.

Suitability

Steam

Material Combination

S.No	Description	No.	Material	Specifications
1, 4	Nozzle, Disc	1	S.S. / C.C.S.	ASTM A 276 Type 410 / ASTM A 217 Gr. CA15 + Stellite
2	Regulating Ring	1	Bronze	IBR 282 (a) (iv) Gr. B
3	Screw	1	Carbon Steel	–
5	Body	1	C.C.S.	ASTM A216 Gr. WCB CF1+-2
6	Disc Guide	1	S.S. / C.C.S.	ASTM A 276 Type 410 / ASTM A 217 Gr. CA15
7, 11	Lower/ Upper Spring Disc	1	Carbon Steel	–
8	Studs & Nuts	To Suit	Carbon Steel	–
9	Stem	1	Stainless Steel	ASTM A 276 Type 410
10, 13	Spring, Adjusting Screw	1	Carbon Steel / S.S.	IBR 307 to 314 / –
12	Yoke	1	C.C.S.	ASTM A216 Gr. WCB
14	Pin	1	Steel	–
15	Locking Nut	1	Steel	–
16	Cap	1	C.C.S.	ASTM A216 Gr. WCB
17	Nut	1	Carbon Steel	–
18	Fulcrum	1	SG Iron	–
19	Lever	4	SG Iron	–



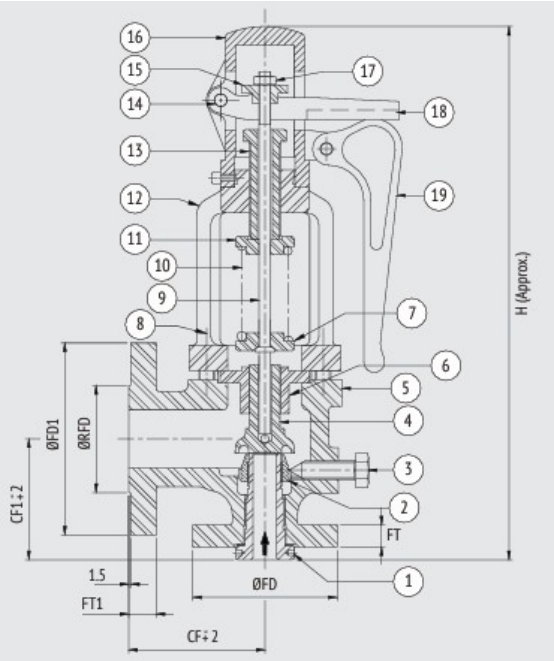
Dimensional Data

Size (mm)	CF	CF1	ØFD	ØFD1	ØRFD	FT	FT1
25 x 50	108	83	125	165	91.9	17.9	22.1
40 x 80	127	120	155	210	127	28.4	29
50 x 100	150	157	165	254	157.2	22.7	31.7

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