

## AV-285 Cast Carbon Steel Full-Lift Safety Valve (Flanged Ends)

### Features

Right Angle Pattern, Spring Loaded, Full Lift, Renewable Seat & Disc, With SS working part  
Inlet Flange to BS-10 Table 'H' FF (Undrilled), Outlet Flanged to BS-10 Table 'D' FF (Undrilled)

### Test Pressure

Body : 500 Psig (Hyd.)  
Max. Set Pressure : 250 Psig  
Max. Working Temp. : 400°C

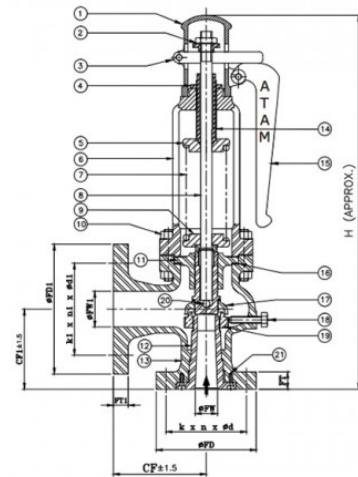
### Suitability

Steam



### Material Combination

P.No.	Name of Part	Material	Specification
1	Cap	Cast Iron	IBR 86 TO 93 Gr.A
2	Locking Nut	Carbon Steel	-
3	Fork	Cast Carbon Steel	IBR 73 TO 80
4	Check Nut	Stainless Steel	AISI 410
5	Upper Spring Disc	Cast Carbon Steel / Carbon Steel	IBR 73 TO 80 / -
6	Bonnet	Cast Carbon Steel	IBR 73 TO 80
7	Spring	Carbon Steel	-
8	Stem	Stainless Steel	AISI 410
9	Lower Spring Disc	Cast Carbon Steel / Carbon Steel	IBR 73 TO 80 / -
10	Bolts/Stud & Nuts	Carbon Steel	-
11	Disc Guide	Cast Carbon Steel	IBR 73 TO 80
12	Nozzle	Stainless Steel	AISI 410 + STELLITE
13	Body	Cast Carbon Steel	IBR 73 TO 80
14	Adjusting Screw	Stainless Steel	AISI 410
15	Handle	S.G. Iron / Cast Iron	-
16	Gasket	C.A.F	-
17	Disc	Stainless Steel	ASTM A217 Gr. CA 15 / AISI 410 +STELLITE
18	Bolt	Carbon Steel	-
19	Regulating Ring	C.S.S.	ASTM A351 Gr. CF 8
20	Ball	Stainless Steel	-
21	Screw	Carbon Steel	-



### Dimensional Data

Nominal Size (mm)	CF ±1.5	ØFW	ØFD	FT	k	n	Ød	CF1 ±1.5	ØFW1	ØFD1	FT1	k1	n1	Ød1	H
25 x 40	100	26	120.7	14.3	87.3	4	17.5	95	40	133.4	12.7	98.4	4	14.3	435
40 x 50	130	40	139.7	17.5	104.8	4	17.5	112	50	152.4	14.3	114.3	4	17.5	520
50 x 80	140	50	165.1	19.1	127	4	17.5	130	76	184.2	14.3	146.1	4	17.5	580
80 x 100	200	76	203.2	22.3	165.1	8	17.5	190	100	215.9	17.5	177.8	4	17.5	860
100 x 150	205	100	228.6	25.4	190.5	8	17.5	220	152	279.4	17.5	235	8	17.5	1035

k - P.C.D; n - Number of Holes; Ød - Diameter of Holes