AV-290B Cast Carbon Steel Swing Check Valve, Flanged Ends, Class-600 IBR Approved

Features

Product Standard	BS-1868
Testing Standard	API-598
Pressure / Class Rating	Class-600
Body Material Cum Standard	Cast Carbon Steel (ASTM A216 Gr. WCB)
Product Description	Bolted Cover
Type of Seat	Renewable Seat
Trim	13% Cr. (SS 410)
End Details	Flanged Ends as per ASME B16.5 Class-600 Raised Face (Drilled)
Test Pressure	Body: 153 Bar (Hyd.), Seat: 112 Bar (Hyd.)
Max. Working Temperature	425°C



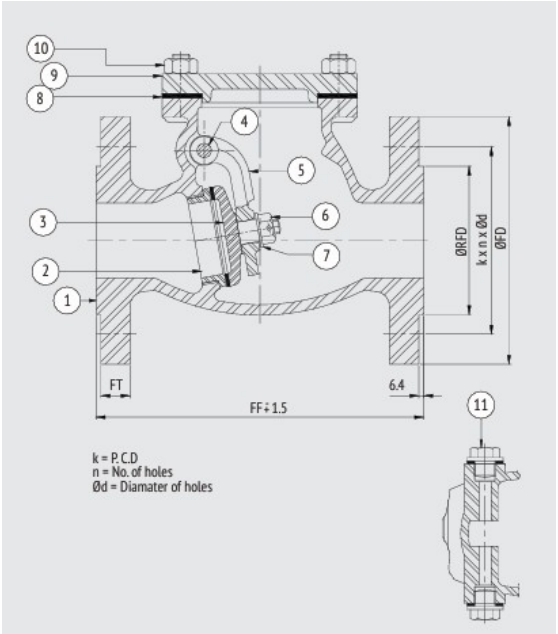
Notes

Test Certificate in Form III-C as per IBR is furnished with every supply.
Other trim material combinations are available on request.

Suitability
Water, Steam, Oil

Material Combination

P.No.	Name of Part	Material	Specification	Nos.
1	Body	C.C.S	ASTM A216 Gr. WCB	1
2	Body Seat Ring	S.S./ F.S.S./ C.C.S.	ASTM A276 TYPE 410/ ASTM A182 Gr. F6a/ ASTM A216 Gr. WCB + 13% Cr. Deposit	1
3	Disc	C.C.S.	ASTM A216 Gr. WCB + 13% Cr. Deposit	1
4	Hinge Pin	S.S.	ASTM A276 TYPE 410	1
5	Hinge	C.C.S.	ASTM A216 Gr. WCB	1
6	Nut	S.S.	–	1
7	Washer	Carbon Steel	–	1
8	Gasket	–	Spiral Wound S.S. 304 with Graphite Filler Inner Ring	1
9	Cover	C.C.S.	ASTM A216 Gr. WCB	1
10	Stud & Nuts	Alloy Steel/ H.T. Steel	ASTM A193 Gr. B7/ ASTM A194 Gr. 2H	To Suit
10	Side Plug	S.S.	ASTM A276 TYPE 410	1



Dimensional Data

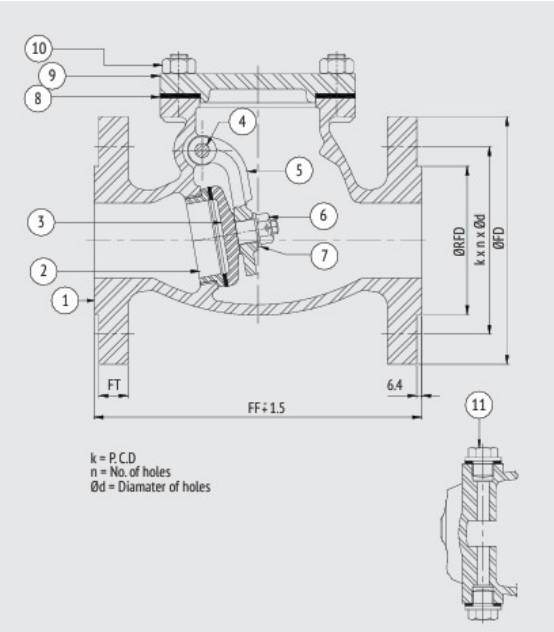
Nominal Size (mm)	FF±1.5	FT	ØRFD	ØFD	k	n	Ød
40	241	22.4	73	155	114.3	4	7/8″
50	292	25.4	91.9	165	127	8	3/4″
65	330	28.4	105	190	149.4	8	7/8″
80	356	31.8	127	210	168.1	8	7/8″
100	432	38.1	157	273	215.9	8	1″
125	508	44.4	186	330	266.7	8	1.1/8″
150	559	47.8	216	356	292.1	12	1.1/8″
200	660	55.6	270	419	349.2	12	1.1/4″
250	787	63.5	324	508	431.8	16	1.3/8″
300	838+-3	66.5	381	559	489	20	1.3/8″

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

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