AV-290A Cast Carbon Steel Swing Check Valve, Flanged Ends, Class-300

IBR Approved

Features

Product Standard	BS-1868
Testing Standard	API-598
Pressure / Class Rating	Class-300
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-300 Raised Face (Drilled)
Test Pressure	Body: 77 Bar (Hyd.), Seat: 57 Bar (Hyd.)
Max. Working Temperature	425°C



Notes

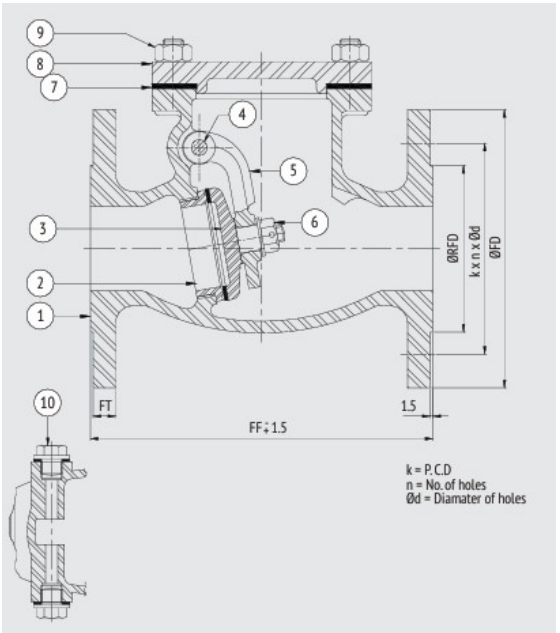
Test Certificate in Form III-C as per IBR is furnished with every supply.
Other trim material combinations are available on request.

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. Welded 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	Gasket	–	Spiral Wound S.S. 304 Graphoil Filler	1
8	Cover	C.C.S.	ASTM A216 Gr. WCB	1
9	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	2

NOTE : 1. This item can be supplied in WC6, WC9 material also.



Dimensional Data

Nominal Size (mm)	FF±1.5	ØRFD	ØFD	FT	K	n	Ød
40	241	73	155	19.1	114.3	4	7/8″
50	267	92.1	165	20.7	127	8	3/4″
65	292	104.8	190	23.9	149.2	8	7/8″
80	318	127	210	27	168.3	8	7/8″
100	356	157.2	254	30.2	200	8	7/8″
125	400	185.7	280	33.4	235	8	7/8″
150	444	215.9	320	35	269.9	12	7/8″
200	533	269.9	380	39.7	330.2	12	1″
250	622	323.8	445	46.1	387.4	16	1.1/8″
300	711+-3	381	520	49.3	450.8	16	1.1/4″
350	838+-3	412.8	584	52.3	514.4	20	1.1/4″
400	864+-3	469.9	648	55.6	571.5	20	1.3/8″

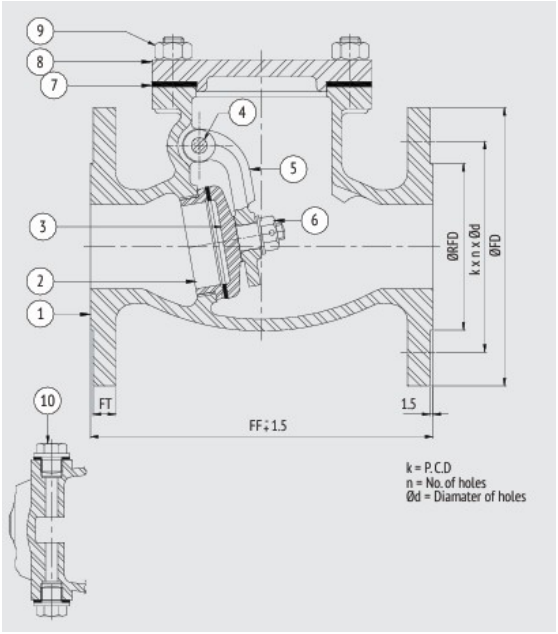
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Nominal Size (mm)	FF±1.5	ØRFD	ØFD	FT	K	n	Ød
450	978+-3	533.4	711	58.7	628.6	24	1.3/8″
500	1016+-3	584.2	775	62	685.8	24	1.3/8″
600	1346+-3	692.2	914	68.3	812.2	24	1.5/8″

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



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