AV-290 Cast Carbon Steel Swing Check Valve, Flanged Ends, Class-150

IBR Approved

Features

Product Standard	BS-1868
Testing Standard	API-598
Pressure / Class Rating	Class-150
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-150 Raised Face (Drilled)
Test Pressure	Body: 30 Bar (Hyd.), Seat: 22 Bar (Hyd.)
Max. Working Temperature	425°C



Notes

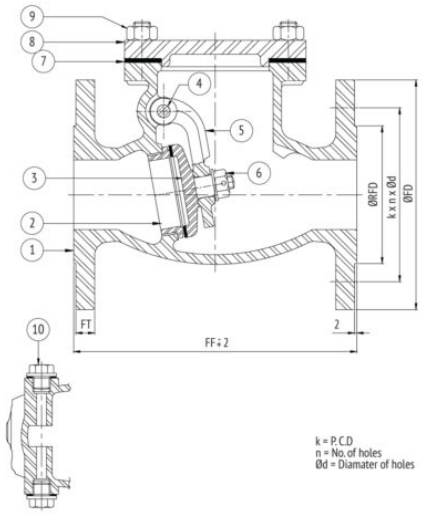
Test Certificate in Form III-C as per IBR is furnished with every supply.
Other trim material combinations are available on request.

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	2
3	Disc	S.S / C.C.S.	ASTM A276 Type 410 / 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 with 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	FT	ØRFD	ØFD	K	n	Ød
15	108	7.9	35.1	89	60.5	4	5/8″
20	117	8.6	42.9	99	69.8	4	5/8″
25	127	9.7	50.8	108	79.4	4	5/8″
40	165	12.7	73.0	127	98.6	4	5/8″
50	203	14.2	91.9	152	120.6	4	3/4″
65	216	15.7	104.6	178	139.7	4	3/4″
80	241	17.5	127.0	190	152.4	4	3/4″
100	292	22.4	157.2	229	190.5	8	3/4″
125	330	22.5	185.7	254	215.9	8	7/8″
150	356	23.9	215.9	279	241.3	8	7/8″
200	495	26.9	269.7	343	298.4	8	7/8″
250	622	28.4	323.8	406	362.0	12	1″
300	698+-3	30.2	381.0	483	431.8	12	1″
350	787+-3	33.3	412.8	533	476.2	12	1.1/8″
400	864+-3	35.1	469.9	597	539.8	16	1.1/8″
450	978+-3	38.1	533.4	635	577.8	16	1.1/4″
500	978+-3	41.1	584.2	698	635.0	20	1.1/4″
600	1295+-3	46.0	692.2	813	749.3	20	1.3/8″

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

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