



'Fluid control' the Complete solution from one source !

Universal Engineering

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WCB SWING CHECK VALVE (150#/ 300#)

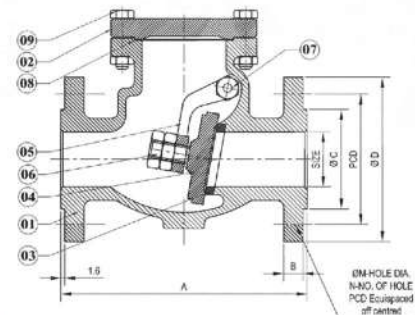
Universal make swing type check valves are "automatic" valve that open with forward flow and close with reverse flow, the pressure of the fluid passing through a system open the valve, while and reversal of flow will close the valve.

Size		CLASS - 150						
Inch	M. M.	A	B	ØC	ØD	ØM	N	P.C.D
1.1/2"	40	165	14.2	73	127.0	16	4	98.5
2"	50	203	15.7	92	152.0	19	4	120.6
2.1/2"	65	216	17.5	105	178.0	19	4	139.7
3"	80	241	19.0	127	190.5	19	4	152.7
4"	100	292	24.0	157	229.0	19	8	190.5
5"	125	330	24.0	186	254.0	22	8	215.9
6"	150	356	24.0	216	279.0	22	8	241.3
8"	200	495	28.5	270	343.0	22	8	298.4
10"	250	622	30.0	324	406.0	25	12	362.0
12"	300	699	32.0	381	483.0	25	12	431.8
14"	350	787	35.0	413	533.0	28	12	476.2
16"	400	864	36.5	470	597.0	28	16	539.8

Size		CLASS - 300						
Inch	M. M.	A	B	ØC	ØD	ØM	N	P.C.D
1.1/2"	40	241.3	20.5	73	156.0	22	4	114.3
2"	50	266.7	22.0	92	165.0	19	8	127.0
2.1/2"	65	292.0	25.0	105	190.5	22	8	149.3
3"	80	317.0	28.5	127	209.5	22	8	168.0
4"	100	355.6	32.0	157	254.0	22	8	200.0
5"	125	400.0	35.0	186	279.4	22	8	235.0
6"	150	444.5	36.5	216	317.5	22	12	269.7
8"	200	533.4	41.0	270	381.0	25	12	330.2
10"	250	622.3	47.5	324	444.5	28	16	387.4
12"	300	711.2	51.0	381	521.0	32	16	450.8
14"	350	838.0	54.0	413	584.0	32	20	514.3
16"	400	863.6	57.0	470	648.0	36	20	571.5

Technical Specification

DESIGN & MANUFACTURING STD : ANSI B 16.35/BS 1868
TESTING & INSPECTION STD : API 598/BS 5146
End CONNECTION : FLANGED AS PER ANSI B-16.5
SEAL WALL THICKNESS : ANSI B 16.34
FACE TO FACE : AS PER ANSI/B 16.10



Primary Service Rating & Test Pressure				
Class	WORKING PRES	TEMP	Hyd. Test Pressure	
			BODY	SEAT
150	150 PSIG	500°F	425 PSIG	300 PSIG
300	300 PSIG	800°F	1100 PSIG	800 PSIG

No.	Description	Material	Qty.
01	Body	CI/CS/CF8/CF8M	1
02	Cover	CS/CF8/CF8M	1
03	Seat Ring	SS 410/SS 304/SS 316	1
04	Disc	SS 410/SS 316/SS 316	1
05	Hinge	SG IRON/SS 304/SS 316	1
06	Disc Nut	CARBON STEEL	1
07	Hinge Pin	S.S. AISI 410	1
08	Gasket	SPRIAL WOUNDED	1
09	Cover Stud & Nut	CARBON STEEL	---

