CAST CHECK VALVE

AEW

Commitment To Quality

CHECK VALVE

DESIGN TO BS 1868

Cast with uniform wall thickness smooth flowing contours and generous fillet radii to prevent stress concentrations. Designed for structural stability, mechanical strength and safe weldability. Precision machined.

BODY AND COVER

Male/Female type. Bolted cover.

DISC

Disc design is free floating enabling rotation to avoid localised wear.

DISC ASSEMBLY

Disc to disc carrier design enables opening of the valve with low differential pressure. Disc is fastened securely to disc carrier by means of a lock nut and cotter pin. Disc carrier is supported on a sturdy hinge pin of excellent bearing qualities. All parts are accessible from top for easy servicing.

CA 15/STELLITE FACED LEAK PROOF SEATS FOR LONG SERVICE

Hard seat concept is advantageous since seat faces are exposed to live fluid in open condition. This results in on-line impingement on seat faces. CA 15/Stellite facing reduces on-line seat wear.

STRONG, LEAK-PROOF, BODY-COVER JOINT, FULLY ENCASED GASKET

The design of the gasketed joint is critical. Its compression is better controlled in a fully enclosed cavity. Also the possibility of unwinding the SS spiral metal is eliminated.

FLANGE FACING

Flanges of class 150 and 300 have a 1/16" raised face.

Materials of Construction

		WCB	CF8	CF8M
1	BODY	WCB	CF8	CF8M
2	COVER	WCB	CF8	CF8M
3	DISC	CA 15 / WCB+13%Cr	CF8	CF8M
4	SEAT	CA 15 / STELLITE-6	CF8	CF8M
5	PIN	SS410	SS304	SS316
6	DISC HOLDER	WCB	CF8	CF8M
7	PACKINGS	GRAPHITED ASBESTOS	P.T.F.E.	P.T.F.E.
8	BOLTS	A 193-B7	B8	B8M
9	NUTS	A 194-2H	A 194-8	A 194-8M

Test Pressures

TEST	Pr.	150	300	TESTING MEDIUM
SHELL	psig	450	1125	KEROSENE or WATER
	BAR	30	77	
SEAT LEAK	psig	325	835	
	BAR	22	57	

SEAT LEAK Air Test provided on request.

Dimensions

ASA 150 # [inches]							
BORE DIA	F to F	F DIA	F THIC	P.C.D.	RFD	N of H	H DIA
1	5	4 1/4	7/16	3 1/8	2	4	5/8
1 1/2	6 1/2	5	9/16	3 7/8	2 7/8	4	5/8
2	8	6	5/8	4 3/4	3 5/8	4	3/4
2 1/2	8 1/2	7	11/16	5 1/2	4 1/8	4	3/4
3	9 1/2	7 1/2	3/4	6	5	4	3/4
4	11 1/2	9	15/16	7 1/2	6 3/16	8	3/4
5	14	10	15/16	8 1/2	7 5/16	8	7/8
6	16	11	1	9 1/2	8 1/2	8	7/8
8	19 1/2	13 1/2	1 1/8	11 3/4	10 5/8	8	7/8

The specifications and data in this leaflet are as accurate as possible. Improvements and modifications from time to time may necessitate change in design and dimensions.

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AEWVALVES PRIVATE LIMITED
MANUFACTURERS OF INDUSTRIAL VALVES
Opp. Dudheshwar Water Tank, Shahibaug,
Ahmedabad 380 004 Ph.: 25623325 Fax: 079-25631043
E-mail: enquiry@aewvalves.com