CAST BALL VALVE

AEW

Commitment To Quality

BALL VALVE

DESIGN TO BS 5351

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.

TWO / THREE PIECE DESIGN CONSTRUCTION

All ball valves are designed with either two piece construction or three piece construction.

MIRROR FINISH BALL

Precision machined and buffed to produce mirror like finish, minimum wear on the seat. All balls are designed to withstand the full hydrostatic body pressure.

REGULAR & REINFORCED, P.T.F.E. SEATS & SEALS

Soft seat rings processed from P.T.F.E. oil free granular resins of virgin material completely free of reclaimed processed material are used. Reinforced P.T.F.E. seats can be provided on request.

STEM

Blow out proof stem is sized so that its connection to the ball is capable of withstanding satisfactorily the maximum operating torque.

LEVER OPERATED

All valves are lever operated with quick quarter turn on-off operation.

STRONGER, LEAK PROOF BODY, END CONNECTION JOINT

The design of the body and the end connection gasketed joint is critical. Its compression is better controlled in a fully enclosed cavity.

FLANGE FACING

Flange on class 150 and 300 valves have 1/16" raised face.

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Materials of Construction

		WCB	CF8	CF8M
1	BODY	WCB	CF8	CF8M
2	END CONNECTION	WCB	CF8	CF8M
3	BALL	CF8	CF8	CF8M
4	SEAT	P.T.F.E.	P.T.F.E.	P.T.F.E.
5	STEM	SS410	SS304	SS316
6	STEM NUT	MS	SS304	SS316
7	GLAND BUSH	SS410	CF8	CF8M
8	PACKINGS	P.T.F.E.	P.T.F.E.	P.T.F.E.
9	BOLTS	A 193-B7	B8	B8M
10	NUTS	A 194-2H	A 194-8	A 194-8M
11	LEVER	MS	MS	MS

All valves upto 2" Investment Casted.

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	7	6	5/8	4 3/4	3 5/8	4	3/4
2 1/2	7 1/2	7	11/16	5 1/2	4 1/8	4	3/4
3	8	7 1/2	3/4	6	5	4	3/4
4	9	9	15/16	7 1/2	6 3/16	8	3/4
5	10	10	15/16	8 1/2	7 5/16	8	7/8
6	10 1/2	11	1	9 1/2	8 1/2	8	7/8
8	11 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.

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