



DURGA VALVES PVT LTD

Ichapur Road Cannal Side, Howrah.

TECHNICAL DATA OF CI BUTTERFLY VALVE

Fluid to be Handle	: Raw/Clear Water
Pressure Rating	: PN-1.0
Design Temperature	: -10°C to 65°C.
Design Std.	: IS: 13095/91- BS 5155
Service application	: Tight shut-off.
Type	: Double Flanged Quarter Turn.
Disc Type	: Duo eccentrically
Seal (Nitrile rubber)	: Mounted on disc
End Connection	: Flanged ends to IS: 1538/93 (Table-4 & 6), Flat Face
Face to Face Dimensions	: IS: 13095/91 – BS-5155
Operation	: Manual.
Installation	: Horizontal

Material of Construction

Body, End Cover & Gland plate	: C. I. to IS: 210 Gr. FG. – 260.
Disc	: C. I. to IS: 210 Gr. FG. – 260.
Shaft	: S.S. to AISI-410
Body Seat	: S.S. to BS: 970 Gr. 304
Bearing	: G.M./Teflon
Disc Seal	: Nitrile Rubber. (Shore Hardness 55'-65'A)
Packing	: Rubber "O" ring.
Internal Fasteners & Clamping Ring	: S.S. to AISI-304
External Fasteners	: Carbon Steel to IS: 1367 Cl. 4.6 & 4.0.
Hand wheel	: Fabricated Steel.
Worm Gear Unit	: Mfg. Std.
Actuator	: As per data sheet enclosed separately.

Testing (as per IS: 13095/91)

Hydro Body	: 15Kg/Sq.Cm. for 5 minutes.
Hydro Seat	: 6Kg/Sq.Cm. for 2 minutes.
Disc Test	: 10Kg/Sq.Cm. for 5 minutes.

Inspection

Hydro Test	: Witness & Test Report
Visual	: Witness & Test Report
Material Test	: Test Report

Quantity

Note

Size (NB)	Qty. (Nos)	Location	Service / Application	1. Valves shall be of tight shut-off closures for frequent operation. 2. Valve should close with Clock wise rotation of Hand wheel. (In case of hand wheel operation) 3. Valves shall be painted with one coat of Red oxide primer & two coats of Black bituminous paints before dispatched. 4. Marking: Brand/Size/PN-Rating/Heat No. & Sl. No.
As per BOQ	As per BOQ			

PREPARED BY

SHEET 1 OF 1

DEC. DOC. No.
DS-BFV-IS-13095/BS-5155

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DATE
29/07/10