INFRA

Ductile Iron Butterfly Valve

PN 10 , PN 16 & PN 25 Rating
DN 200 - 2000 mm.

Innovative Flow Control Solution

Shree Krishna Industries

Manufacturers of all types of valves & fittings

An ISO 9001/2015 Company

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D.I. Butterfly Valve

Dimensions And Materials Specification

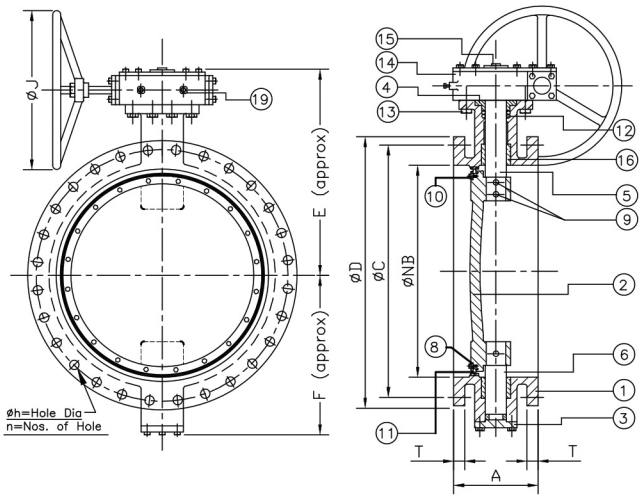
PN 10, PN 16 OR PN 25 Rating, DN 200-2500

ISO 9001 REGISTERED

WRAS APPROVED PRODUCT

Technical Requirements

- Designed & manufactured according to standard of EN 593, also available as per IS 13095-91 & BS 5155.
- The flange of the butterfly valve is according to IS 1538-93 (table-6) & BS 4504 also available as per BS EN 1092-2, DIN 2532/2533 & ISO 7005
- Face to face dimensions are according to IS 13095-91, EN 558-1, series 14 & DIN 3202, F4 also available as per BS 5155 & AWWA C 504
- Testing & Inspection is according to standard of BS 6755 Part-1 Rate A.



Design Features

- Smooth function is ensured in operation during closing and opening.
- Light weight and compact design.
- Low head loss and greatly improved discharged characteristics.
- The sealing ring can be fully adjustable and replaceable without removing the valve from the pipeline.
- The double eccentric structure reduces friction of the sealing ring providing the valve a long service line.
- Easy of maintenance is a paramount importance - Infra Butterfly Valves are designed with this as a criterion.
- The gearing and bearings are protected by water tight enclosurers.
- All cast components are fully protected from corrossion by electro statically applying powder or liquid epoxy coating with a minimum thickness of 250 microns.
- Various type of operators such as Lever, handwheel, Worm gear, pneumatic, hydraulic and electrical actuator can be provided on request.

MATERIALS SPECIFICATION

MATL.	Body (1) Disc (2) End Cover (3) Gland Plate (4)	Drive Shaft (5) Stub Shaft (6)	Body Seat Ring (7)	Seal Retaining (8) Dowel Pin (9) Internal Fasteners (10)	Disc Seal (11) Packing–Rubber 'O' Ring (12)	Fasteners Externals (13)	Worm Gear Unit (14) Handwheel (15)	Bearing (16)
STD.	Ductile Iron to DIN 1693 Gr. GGG–40 & GGG–50 or IS 1865 Gr. 400/15 & Gr. 500/7 or BS 2789 Gr. 400/12	Stainless steel to AISI–410/304 or BS 970 (Part–I) Gr. 410S11/304S15 Gr. 431S29	Nickel/Chromium Weld Overlay or AISI–304/316	Stainless steel to AISI–304 or BS 970 (Part–I) Gr. 304S15	EPDM Rubber to Gr. W–270/ BS 2494 or Nitrile Rubber	Steel to BS 4190 Gr. Hot Dipped Galvanised	Ductile Iron or S.G. Iron	Steel Backed PTFE or Bronze

NOMINAL PRESSURE (PN)		PN 10	PN 16	PN 25
TESTING PRESSURE	BODY	15 Kg/Sq.Cm.	24 Kg/Sq.Cm.	37.5 Kg/Sq.Cm.
	SEAT	11 Kg/Sq.Cm.	17.6 Kg/Sq.Cm.	27.5 Kg/Sq.Cm.
WORKING PRESSURE		10 Kg/Sq.Cm.	16 Kg/Sq.Cm.	25 Kg/Sq.Cm.
SUITABLE TEMPERATURE (°C)		–10°C to 65°C	–10°C to 65°C	–10°C to 65°C

ALL DIMENSIONS ARE IN MM

Rating	Nominal Bore (NB)	200	250	300	350	400	450	500	600	700	750	800	900	1000	1100	1200
PN 10	Face to face (A)	152	165	178	190	216	222	229	267	292	305	318	330	410	440	470
PN 16																
PN 25		230	250	270	290	310	330	350	390	430	450	470	510	550	590	630
Height	(E)	355	390	425	450	480	500	550	630	680	735	770	810	870	940	1020
	(F)	230	260	275	320	345	370	410	490	540	580	615	650	750	810	850
Hand Wheel dia	(J)	250	250	300	300	300	300	400	400	400	450	450	450	500	500	500
Flange Dia	(D)	340	395	445	505	565	615	670	780	895	960	1015	1115	1230	1340	1455
Flange P.C.D.	(C)	295	350	400	460	515	565	620	725	840	900	950	1050	1160	1270	1380
Flange Thk	(T)	24.5	23	27.5	29	30	32	33	36	38.5	40	42	44	47	50	53
hole dia	(h)	23	23	23	23	28	28	28	31	31	31	34	34	37	37	40
No. hole	(n)	8	12	12	16	16	20	20	20	24	24	24	28	28	32	32
Weight (±Kg)		55	75	110	159	214	255	305	433	635	740	845	1190	1630	1900	2150

NOTES : Higher sizes / dimensions on request

WE RESERVE THE RIGHT TO MAKE CHANGES DUE TO TECHNICAL UPGRADATION