Normex Butterfly Valve (Available with IS:13095 mark)

CM/L:7637789

Quality Features

- Excellent flow control in quarter turn operation.
- Compact, space saving design.
- Bi-directional 100% tight shut off.
- Low weight, low maintenance, long service life.
- Easy automation / retrofit possible.
- Stream lined valve disc for lower pressure drop.
- Both shafts mounted in bearing supports for easy operating torques.
- Replaceable / Bonded seat options.
- Suitable for mounting between all standard flanges.
- Gasket packing not required to install between flanges.

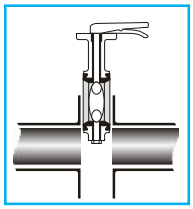
Applications

- Water treatment plants
- Water distribution systems
- Fire fighting systems
- Power stations
- Irrigation
- Chemical Industries
- Steel mills
- Sugar factories / Breweries
- Sewage / Effluent treatment
- Process Industries
- Seawater & Brine pumping
- Food Processing Industries
- Mining Industries
- Petrochemical Industries

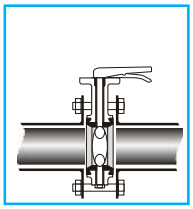

Actuator Mounted


Gear Box Mounted

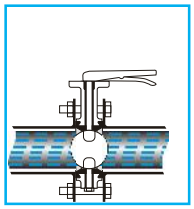
Installation Procedure



1 Keep the mating flanges well apart so that the valve can be inserted freely between the gap of mating flanges. The valve disc should be in semi-open position, but ensure that it does not protrude out of the valve body.



2 Insert the valve between the flanges. Insert the bolts firstly passing through eye on valve on top side to support the valve and then insert the other bolts touching the sides of the valve. Select the bolt length such that it connects the mating flanges and valve can be tightened between the two flanges.



3 Centralize the valve referring the O.D.. of flange and tighten the bolts evenly, packing gaskets are not required as they are inherent on valve face. Open /close the valve and now it is ready for service.

IMP: Butterfly valves should be stocked / transported in semi-open condition (and not in fully closed position.) Also ensure the disk does not protrude out of the valve face / body.

Parts List & Materials

Part	Description	STD. MODE OF CONSTRUCTION	OPTIONS
1.	Body	Cast Iron, GG - 251 IS -210 FG-260 / BS-1452Gr. 260	SG Iron, GGG 40 Cast Steel (WCB) Stainless Steel CF8 / CF8M
2.	DISC	SG Iron, GGG 40 IS- 1 865 SG 400 / 1 21 BS - 2789 Gr. 240/12	Cast Steel (WCB) Stainless Steel CF8 / CF8M Aluminium Bronze IS 305 Gr2
3.	SEAT	Black Nitrile	Cast Steel / St. Steel
4.	SHAFTS	AISI410	AISI304 / AISI316
5.	BEARING	Sliding Bearing MU	PTFE
6.	'O' RINGS	Nitrile	EPDM, Neoprene
7.	BUSH	Polyacetal (Delrin)	PTFE
8.	TAPER PIN	Al SI 4 10 / 304	AISI316
9.	PLUG	Carbon Steel	-
10.	HAND LEVER	MS	CI / SGI / SS

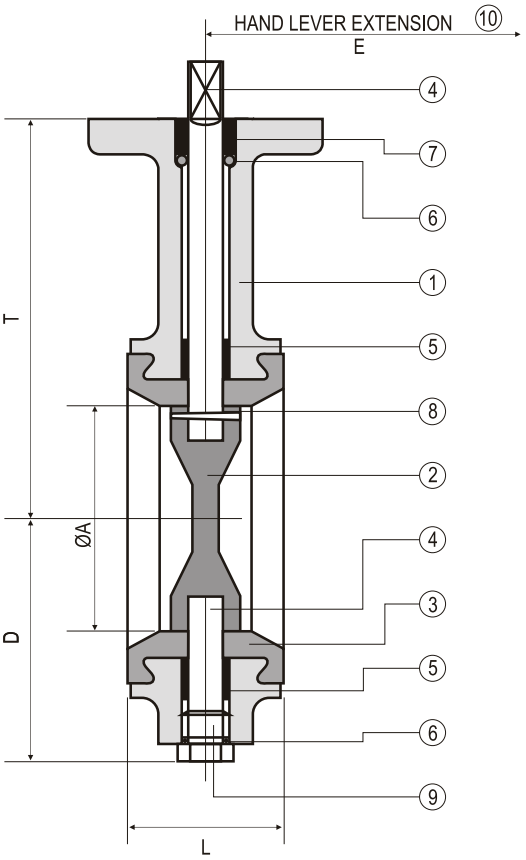
Dimension Chart

ØA	40	50	65	80	100	125	150	200	250	300	350	400	450
L	33	43	46	46	52	56	56	60	68	78	78	100	108
D	56	64	73	79	99	115	128	156	212	239	260	298	326
T	101	111	121	128	147	159	173	199	248	270	321	345	373
E	185	185	240	240	240	240	330	330	500	500	-	-	-
Wt.(kg)	2.1	2.8	3.4	3.6	4.6	6.3	8.7	12.2	25.0	32.0	64.5	69.4	-

Note: Size up to 250 mm with H / L 300 mm and above, with gear box

Technical Data

PRESSURE RATING	PN1.6 / 1.0 KPa (16/10 bar)
PRESSURE TESTING	a) Body : 1 .5 x PN b)Seat : 1.1xPN
TEMPERATURE	(-)40°C to 200°C
FACE TO FACE DIMENSION	ISO - 5752 / IS -1 3095 / BS-5155
TO SUIT FLANGES DRILLED AS PER	IS, ANSI, BS, DIN Standards
OPERATION	Bidirectional
PAINTING	Epoxy coated



Ordering Data

- Size of valve.
- M.O.C. for body, disc & seat.
- Details of flow medium i.e., name, temperature, pressure.
- If any specific change to standard materials of other parts.
- Operation manual / Gearbox /Actuator (give details of Actuator).