

1078 Butterfly Valve (Wafer Type) PN 1.6 with S.G Iron Disc



Salient Features

- Design Standard IS 13095 / BS EN 593 (BS 5155).
- Wafer Type.
- Lever Operated.
- S.G Iron construction.
- S.G Iron disc which is accurately guided between the two stems.
- Integrally moulded rubber lining (EPDM / Nitrile / Neoprene* / Viton* / Silicon*) as per requirement which provides seating to the valve disc, as a primary seal to the stem and gasket joint with matching pipe flanges.
- Two Piece Stem design which is precisely guided between the PTFE / Bronze bushes.
- Compatible to sandwich between flanges as per BS 10 Table D, E, F, H, DIN, PN 10, PN 16, PN 25, PN 40, ASA 150, ASA 300, IS 778, IS 6392 Table 17 and IS 1538.



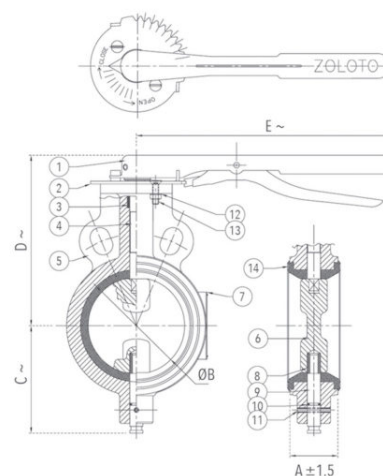
*Valves with Neoprene / Viton / Silicon lining can also be provided at nominal extra cost.

PN 1.6 –
Test Pressure (Hydrostatic) :
Shell : 2.4 MPa
Seat : 1.76 MPa
Maximum Working Temperature : 90°C
Maximum Working Pressure : 1.6 MPa

Suitable For
Water

Materials

P.No.	Name of Part	Material of Construction	Specification	Qty.
1	Flow Control Lever	Carbon Steel (Powder Coated)	---	1
2	Notch Plate	Carbon Steel (Powder Coated)	---	1
3	Packing Bush	PTFE	---	1
4	Upper Stem	Stainless Steel	IS 6603 Gr. 12 Cr12	1
5	Body	S.G Iron	IS 1865 Gr. 400/15	1
6	Disc	S.G Iron (Epoxy Coated)	IS 1865 Gr. 400/15	1
7	Name Plate	Aluminium	---	1
8	Bush	PTFE / Bronze	--- / IS 318 Gr. LTB 2	1
9	Lower Stem	Stainless Steel	IS 6603 Gr. 12 Cr12	1
10	'O' Ring	Nitrile Rubber	IS 5192 - 1	1
11	L - Key Screw	Carbon Steel	---	1
12	C - Sunk Screw & Nuts	Carbon Steel	---	2 Each
13	Locking Washer	Spring Steel	---	2
14	Body Lining	EPDM / Nitrile	IS 5192 - 1	1



Sizes / Dimensions

Size (Inches)	Size (mm)	A ±1.5	ØB	C ~	D ~	E ~
1 1/2	40	33	40.6	57	113	260
2	50	43	52.4	73	125	260
2 1/2	65	46	67	80	140	260
3	80	46	81.3	88	145	260
4	100	52	101	110	178	260
5	125	56	127.1	122	190	260
6*	150*	56	151	151	204	260

~ ±10

*Bush for Size 150 is of Bronze.

NOTE : Valves are also available with limit switch (Non-ISI), Pad lock arrangement and gear arrangement at nominal extra cost.

1078A Butterfly Valve (Wafer Type) PN 1.6 with S.G Iron Disc - Gear Operated

Salient Features

- Design Standard IS 13095 / BS EN 593 (BS 5155).
- Wafer Type.
- Gear Operated.
- S.G Iron construction.
- S.G Iron disc which is accurately guided between the two stems.
- Integrally moulded rubber lining (EPDM / Nitrile / Neoprene* / Viton* / Silicon*) as per requirement which provides seating to the valve disc, as a primary seal to the stem and gasket joint with matching pipe flanges.
- Two Piece Stem design which is precisely guided between the PTFE / Bronze bushes.
- Compatible to sandwich between flanges as per BS 10 Table D, E, F, H, DIN, PN 10, PN 16, PN 25, PN 40, ASA 150, ASA 300, IS 778, IS 6392 Table 17 and IS 1538.

*Valves with Neoprene / Viton / Silicon lining can also be provided at nominal extra cost.

PN 1.0 -

Test Pressure (Hydrostatic) :

Shell : 1.5 MPa

Seat : 1.1 MPa

Maximum Working Pressure : 1.0 MPa

Maximum Working Temperature : 90°C

PN1.6 -

Test Pressure (Hydrostatic) :

Shell : 2.4 MPa

Seat : 1.76 MPa

Maximum Working Pressure : 1.6 MPa

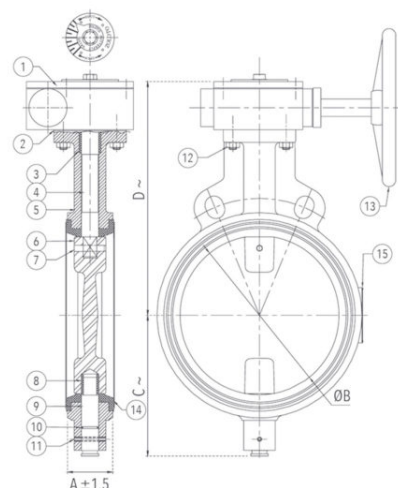
Maximum Working Temperature : 90°C

Suitable For

Water

Materials

P.No.	Name of Part	Material of Construction	Specification	Qty.
1	Gear Box Assembly	---	---	1
2	Gasket	Steam Jointing Sheet	IS2712 Gr. W/3	1
3	Packing Bush	Bronze	IS 318 Gr. LTB 2	1
4	Upper Stem	Stainless Steel	IS 6603 Gr. 12 Cr12	1
5	Body	S.G Iron	IS 1865 Gr. 400/15	1
6	Disc	S. G Iron (Epoxy Coated)	IS 1865 Gr. 400/15	1
7	Taper Pin (Optional)	Stainless Steel	IS 6603 Gr. 12 Cr12	1
8	Bush	Bronze	IS 318 Gr. LTB 2	1
9	Lower Stem	Stainless Steel	IS 6603 Gr. 12 Cr12	1
10	'O' Ring	Nitrile Rubber	IS 5192 - 1	1
11	L- Key Screw	Carbon Steel	---	1
12	C - Sunk Screw & Nuts	Carbon Steel	---	4 Each
13	Handwheel	Sheet Metal	---	1
14	Body Lining	EPDM / Nitrile	IS 5192 - 1	1
15	Name Plate	Aluminium	---	1



Sizes / Dimensions

Size (Inches)	Size (mm)	A	ØB	C ~	D ~
8	200	60 ±1.5	201.6	180	295
10	250	68 ±1.5	252.2	220	320
12	300	78 ±1.5	301.3	250	344
14 [#]	350	85 ±3	352	280	380
16 [#]	400	96 ±3	393.8	300	410

Size (Inches)	Size (mm)	A	ØB	C ~	D ~
18 [#]	450	108 ±3	442	330	466
20 [#]	500	127 ±4	504.2	415	600
24 [#]	600	146.5 ±4	593	440	610

~ ±10

Non-ISI with Pressure Rating PN-1.0

Note : Valves are also available with limit switch (Non-ISI) and Pad lock arrangement at nominal extra cost.

1078B Butterfly Valve (Wafer Type), PN 1.6 with S.S 304 Disc



Salient Features

- Design Standard IS 13095 / BS EN 593 (BS 5155).
- Wafer Type.
- Lever Operated.
- S.G Iron construction.
- Stainless Steel (CF8 / CF8M*) Disc which is accurately guided between the two stems.
- Integrally moulded rubber lining (EPDM / Nitrile / Neoprene* / Viton* / Silicon*) as per requirement which provides seating to the valve disc, as a primary seal to the stem and gasket joint with matching pipe flanges.
- Two Piece Stem design which is precisely guided between the PTFE / Bronze bushes.
- Compatible to sandwich between flanges as per BS 10 Table D, E, F, H, DIN, PN 10, PN 16, PN 25, PN 40, ASA 150, ASA 300, IS 778, IS 6392 Table 17 and IS 1538.

*Valves with Neoprene / Viton / Silicon lining and CF8M (S.S 316) Disc can also be provided at nominal extra cost.

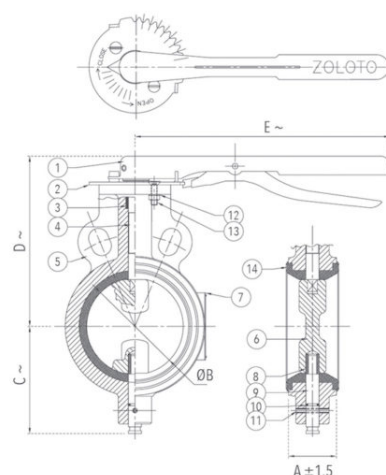
PN 1.6 -
Test Pressure (Hydrostatic) :
Shell : 2.4 MPa
Seat : 1.76 MPa
Maximum Working Pressure : 1.6 MPa
Maximum Working Temperature : 90°C

Suitable For

Water

Materials

P.No.	Part Name	Material	Specification	Qty.
1	Flow Control Lever	Carbon Steel (Powder Coated)	---	1
2	Notch Plate	Carbon Steel (Powder Coated)	---	1
3	Packing Bush	PTFE	---	1
4	Upper Stem	Stainless Steel	IS 6603 Gr. 12 Cr12	1
5	Body	S.G. Iron	IS 1865 Gr. 400/15	1
6	Disc	Stainless Steel	IS 3444 Gr. 1 / ASTM A 351 Gr. CF8	1
7	Name Plate	Aluminium	---	1
8	Bush	PTFE/Bronze	--- / IS 318 Gr. LTB 2	1
9	Lower Stem	Stainless Steel	IS 6603 Gr. 12 Cr12	1
10	'O' Ring	Nitrile Rubber	IS 5192 - 1	1
11	L - Key Screw	Carbon Steel	---	1
12	C - Sunk Screw & Nuts	Carbon Steel	---	2 Each
13	Locking Washer	Spring Steel	---	2
14	Boby Lining	EPDM/Nitrile	IS 5192 - 1	1



Sizes / Dimensions

Size (Inches)	Size (mm)	A ±1.5	ØB	C~	D~	E~
1 1/2	40	33	40.6	57	113	260
2	50	43	52.4	73	125	260
2 1/2	65	46	67	80	140	260
3	80	46	81.3	88	145	260
4	100	52	101	110	178	260
5	125	56	127.1	122	190	260
6*	150*	56	151	151	204	260

~ ±10

*Bush for Size 150 is of Bronze.

NOTE : Valves are also available with limit switch (Non-ISI), Pad lock arrangement and gear arrangement at nominal extra cost.

1078C Butterfly Valve (Wafer Type), PN 1.6 with S.S 304 Disc - Gear Operated

Salient Features

- Design Standard IS 13095 / BS EN 593 (BS 5155).
- Wafer Type.
- Gear Operated.
- S.G Iron construction.
- Stainless Steel (CF8 / CF8M*) Disc which is accurately guided between the two stems.
- Integrally moulded rubber lining (EPDM / Nitrile / Neoprene* / Viton* / Silicon*) as per requirement which provides seating to the valve disc, as a primary seal to the stem and gasket joint with matching pipe flanges.
- Two Piece Stem design which is precisely guided between the PTFE / Bronze bushes.
- Compatible to sandwich between flanges as per BS 10 Table D, E, F, H, DIN, PN 10, PN 16, PN 25, PN 40, ASA 150, ASA 300, IS 778, IS 6392 Table 17 and IS 1538.

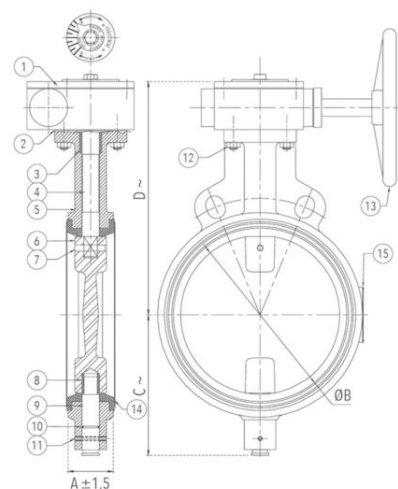
*Valves with Neoprene / Viton / Silicon lining and CF8M (S.S 316) Disc can also be provided at nominal extra cost.

PN 1.6 –
Test Pressure (Hydrostatic) :
Shell : 2.4 MPa
Seat : 1.76 MPa
Maximum Working Pressure : 1.6 MPa
Maximum Working Temperature : 90°C

Suitable For
Water

Materials

P.No.	Name of Part	Material of Construction	Specification	Qty.
1	Gear Box Assembly	---	---	1
2	Gasket	Steam Jointing Sheet	IS2712 Gr. W/3	1
3	Packing Bush	Bronze	IS 318 Gr. LTB 2	1
4	Upper Stem	Stainless Steel	IS 6603 Gr. 12 Cr12	1
5	Body	S.G Iron	IS 1865 Gr. 400/15	1
6	Disc	Stainless Steel	IS 3444 Gr. 1 / ASTM A 351 Gr. CF8	1
7	Name Plate	Aluminium	---	1
8	Bush	Bronze	IS 318 Gr. LTB 2	1
9	Lower Stem	Stainless Steel	IS 6603 Gr. 12 Cr12	1
10	'O' Ring	Nitrile Rubber	IS 5192 - 1	1
11	L - Key Screw	Carbon Steel	---	1
12	C - Sunk Screw & Nuts	Carbon Steel	---	4 Each
13	Handwheel	Sheet Metal	---	1
14	Body Lining	EPDM / Nitrile	IS 5192 - 1	1



Sizes / Dimensions

Size (Inches)	Size (mm)	A ±1.5	ØB	C ~	D ~
8	200	60	201.6	180	295
10	250	68	252.2	220	320
12	300	78	301.3	250	344

~ ±10

Note : Valves are also available with limit switch (Non-ISI) and Pad lock arrangement at nominal extra cost.

1078D Butterfly Valve (Wafer Type), PN 1.0 with Pneumatic Actuator

Salient Features

- Design Standard IS 13095 / BS EN 593 (BS 5155).
- Wafer Type.
- Double Acting Pneumatic Actuator Operated.
- S.G Iron construction.
- Stainless Steel (CF8 / CF8M*) Disc which is accurately guided between the two stems.
- Actuator is with position indicator and adjustable center stopper for both open and closed position.
- Scotch Yoke Technology as the most suitable mechanism for valve and damper operation, producing higher torque at both end positions.
- Actuator is without Rack and Pinion for smooth operation and longer life.
- Integrally moulded rubber lining (EPDM / Nitrile / Neoprene* / Viton* / Silicon*) as per requirement which provides seating to the valve disc, as a primary seal to the stem and gasket joint with matching pipe flanges.
- Two Piece Stem design which is precisely guided between the PTFE / Bronze bushes.
- Compatible to sandwich between flanges as per BS 10 Table D, E, F, H, DIN, PN 10, PN 16, PN 25, PN 40, ASA 150, ASA 300, IS 778, IS 6392 Table 17 and IS 1538.

*Valves with Neoprene / Viton / Silicon lining and CF8M (S.S 316) Disc can also be provided at nominal extra cost.

PN 1.0 -

Test Pressure (Hydrostatic) :

Shell : 1.5 MPa

Seat : 1.1 MPa

Maximum Working Pressure : 1.0 MPa

Maximum Working Temperature : 90°C

Suitable For

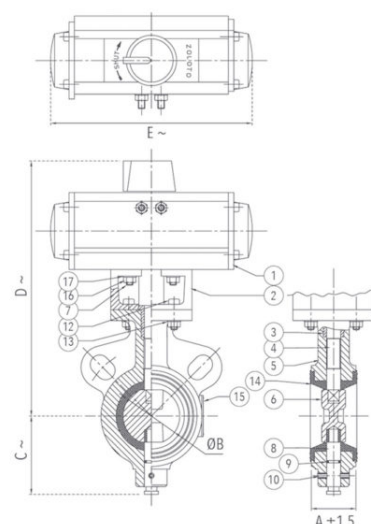
Water

Materials

P.No.	Name of Part	Material of Construction	Specification	Qty.
1	Pneumatic Actuator	---	---	1
2	Actuator Base	Carbon Steel	---	1
3	Packing Bush	Bronze	IS 318 Gr. LTB 2	1
4	Upper Stem	Stainless Steel	IS 6603 Gr. 12 Cr12	1
5	Body	S.G Iron	IS 1865 Gr. 400/15	1
6	Disc	Stainless Steel	IS 3444 Gr. 1 / ASTM A 351 Gr. CF8	1
7	Studs for Actuator	Carbon Steel	---	1
8	Bush	Bronze	IS 318 Gr. LTB 2	1
9	Lower Stem	Stainless Steel	IS 6603 Gr. 12 Cr12	1
10	'O' Ring	Nitrile Rubber	IS 5192 - 1	1
11	L - Key Screw	Carbon Steel	---	1
12	L - Key Bolts & Nuts	Carbon Steel	---	4 Each
13	Locking Washer	Spring Steel	---	1
14	Body Lining	EPDM / Nitrile	IS 5192 - 1	1
15	Name Plate	Aluminium	---	4
16	Nuts	Carbon Steel	---	4
17	Spring Washer	Spring Steel	---	4

Sizes / Dimensions

Size (Inches)	Size (mm)	A ±1.5	ØB	C ~	D ~	E ~	Actuator Model No.
1 1/2	40	33	40.6	57	223	185	PD 50
2	50	43	52.4	73	235	185	PD 50
2 1/2	65	46	67	80	250	185	PD 50



Size (Inches)	Size (mm)	A ±1.5	ØB	C ~	D ~	E ~	Actuator Model No.
3	80	46	81.3	88	258	185	PD 50
4	100	52	101	110	306	250	PD 70
6	150	56	151	151	340	250	PD 70
8	200	60	201.6	180	445	350	PD 100

~ ±10

Note : Valves are also available with Solenoid device and Limit Switch (Position Indicator) at nominal extra cost.

1078F Butterfly Valve (Wafer Type), PN 1.0 with Electrical Actuator

Salient Features

- Design Standard IS 13095 / BS EN 593 (BS 5155).
- Wafer Type.
- Electrical Actuator Operated.
- S.G Iron construction.
- Stainless Steel (CF8 / CF8M*) Disc which is accurately guided between the two stems.
- Actuator is with position indicator and adjustable center stopper for both open and closed position.
- Compliant with B.M.S (Building Management System) and PLC (Programmable Logic Control).
- Inbuilt thermal protection and space heater
- IP 67 / IP 68 protection available for outdoor application.
- Inbuilt micro switch position feedback.
- Input Voltage - 230 VAC/24 VDC* power supply.
- Integrally moulded rubber lining (EPDM / Nitrile / Neoprene* / Viton* / Silicon*) as per requirement which provides seating to the valve disc, as a primary seal to the stem and gasket joint with matching pipe flanges.
- Two Piece Stem design which is precisely guided between the PTFE / Bronze bushes.
- Compatible to sandwich between flanges as per BS 10 Table D, E, F, H, DIN, PN 10, PN 16, PN 25, PN 40, ASA 150, ASA 300, IS 778, IS 6392 Table 17 and IS 1538.
- For manual operation allen key is provided.
- Instrumental in Zero Water Waste installations.



*Valves with Neoprene / Viton / Silicon lining, IS 3444 Gr.4 /CF8M (S.S 316) Disc and 24VDC Input Voltage can also be provided at nominal extra cost.

PN 1.0 -
Test Pressure (Hydrostatic) :
Shell : 1.5 MPa
Seat : 1.1 MPa
Maximum Working Pressure : 1.0 MPa
Maximum Working Temperature : 90°C

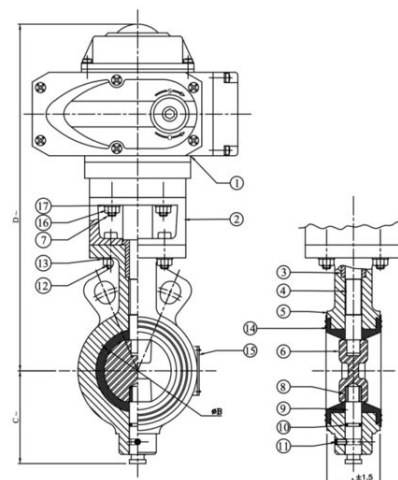
Important Note : Advised to use canopy for enhanced protection from continuous weather exposure.

Suitable For

Water

Materials

P.No.	Name of Part	Material of Construction	Specification	Qty.
1	Electric Actuator	---	---	1
2	Actuator Base	S.G. Iron	IS 1865 Gr. 400/15	1
3	Packing Bush	Bronze	IS 318 Gr. LTB 2	1
4	Upper Stem	Stainless Steel	IS 6603 Gr. 12 Cr12	1
5	Body	S.G Iron	IS 1865 Gr. 400/15	1
6	Disc	Stainless Steel	IS 3444 Gr. 1 / ASTM A351 Gr. CF8	1
7	Studs for Actuator	Carbon Steel	IS 1367	4
8	Bush	Bronze	IS 318 Gr. LTB 2	1
9	Lower Stem	Stainless Steel	IS 6603 Gr. 12 Cr12	1
10	'O' Ring	Nitrile Rubber	IS 5192 - 1	1
11	L - Key Screw	Carbon Steel	---	1
12	L-Key Bolts & Nuts	Carbon Steel	---	4 Each
13	Locking Washer	Spring Steel	---	4 Each
14	Body Lining	EPDM / Nitrile	IS 5192 - 1	1
15	Name Plate	Aluminium	---	1
16	Nuts	Carbon Steel	IS 1363 Part 3 Class 4.0	4
17	Spring Washer	Spring Steel	---	4



Sizes / Dimensions

Size (Inches)	Size (mm)	A ±1.5	ØB	C ~	D ~	Actuator Model No.
1 1/2	40	33	40.6	57	283	ZSY 1
2	50	43	52.4	73	293	ZSY 1
2 1/2	65	46	67	80	306	ZSY 1
3	80	46	81.3	88	313	ZSY 1
4	100	52	101	110	341	ZSY 1
5	125	56	127.1	122	342	ZSY 2
6	150	56	151	151	370	ZSY 2
8	200	60	201.6	180	427	ZSY 2
10	250	68	252.2	220	516	ZSY 4
12	300	78	301.3	250	540	ZSY 4
14	350	86	352	295	610	ZSY 6

~ ±10

Note : Valves are also available with Control Panel, Magnetic Sensor for automated tank filling.

1078G Butterfly Valve (Wafer Type), PN 2.5 with S.G Iron Disc

Salient Features

- Design Standard IS 13095 / BS EN 593 (BS 5155).
- Wafer Type.
- Lever Operated.
- S.G Iron construction.
- S.G Iron disc which is accurately guided between the two stems.
- Integrally moulded rubber lining (EPDM / Nitrile / Neoprene* / Viton* / Silicon*) as per requirement which provides seating to the valve disc, as a primary seal to the stem and gasket joint with matching pipe flanges.
- Two Piece Stem design which is precisely guided between the PTFE / Bronze bushes.
- Compatible to sandwich between flanges as per BS 10 Table D, E, F, H, DIN, PN 10, PN 16, PN 25, PN 40, ASA 150, ASA 300, IS 778, IS 6392 Table 17 and IS 1538.



*Valves with Neoprene / Viton / Silicon lining can also be provided at nominal extra cost.

PN 2.5 –

Test Pressure (Hydrostatic) :

Shell : 3.75 MPa

Seat : 2.75 MPa

Maximum Working Pressure : 2.5 MPa

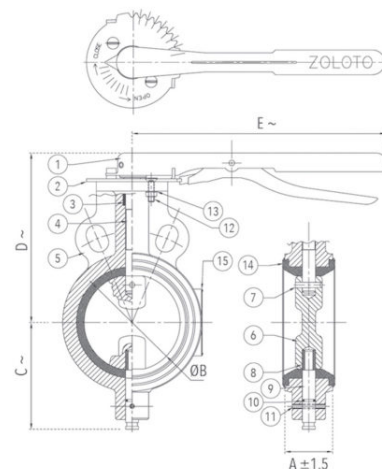
Maximum Working Temperature : 90°C

Suitable For

Water

Materials

P.No.	Name of Part	Material of Construction	Specification	Qty.
1	Flow Control Lever	Carbon Steel (Powder Coated)	---	1
2	Notch Plate	Carbon Steel (Powder Coated)	---	1
3	Packing Bush	PTFE	---	1
4	Upper Stem	Stainless Steel	IS 6603 Gr. 12 Cr12	1
5	Body	S.G Iron	IS 1865 Gr. 400/15	1
6	Disc	S.G Iron (Epoxy Coated)	IS 1865 Gr. 400/15	1
7	Taper Pin (Optional)	Stainless Steel	IS 6603 Gr. 12 Cr12	1
8	Bush	Bronze	IS 318 Gr. LTB 2	1
9	Lower Stem	Stainless Steel	IS 6603 Gr. 12 Cr12	1
10	'O' Ring	Nitrile Rubber	IS 5192 - 1	1
11	L - Key Screw	Carbon Steel	---	1
12	C - Sunk Screw & Nuts	Carbon Steel	---	2 Each
13	Locking Washer	Spring Steel	---	2
14	Boby Lining	EPDM / Nitrile	IS 5192 - 1	1
15	Name Plate	Aluminium	---	1



Sizes / Dimensions

Size (Inches)	Size (mm)	A ±1.5	ØB	C ~	D ~	E ~
1 1/2	40	33	40.6	57	113	260
2	50	43	53	73	125	260
2 1/2	65	46	67.5	80	140	260
3	80	46	81.3	88	145	260
4	100	52	101.5	110	178	260
5	125	56	127.1	122	190	260
6	150	56	151.5	151	204	260

~ ±10

NOTE : Valves are also available with limit switch, Pad lock arrangement and gear arrangement at nominal extra cost.

1078H Butterfly Valve (Wafer Type), PN 2.5 with S.G Iron Disc - Gear Operated

Salient Features

- Design Standard IS 13095 / BS EN 593 (BS 5155).
- Wafer Type.
- Gear Operated.
- S.G Iron construction.
- S.G Iron disc which is accurately guided between the two stems.
- Integrally moulded rubber lining (EPDM / Nitrile / Neoprene* / Viton* / Silicon*) as per requirement which provides seating to the valve disc, as a primary seal to the stem and gasket joint with matching pipe flanges.
- Two Piece Stem design which is precisely guided between the PTFE / Bronze bushes.
- Compatible to sandwich between flanges as per BS 10 Table D, E, F, H, DIN, PN 10, PN 16, PN 25, PN 40, ASA 150, ASA 300, IS 778, IS 6392 Table 17 and IS 1538.

*Valves with Neoprene / Viton / Silicon lining can also be provided at nominal extra cost.

PN 2.5 -

Test Pressure (Hydrostatic) :

Shell : 3.75 MPa

Seat : 2.75 MPa

Maximum Working Pressure : 2.5 MPa

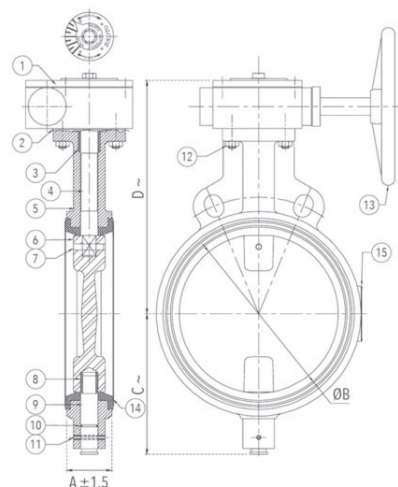
Maximum Working Temperature : 90°C

Suitable For

Water

Materials

P.No.	Name of Part	Material of Construction	Specification	Qty.
1	Gear Box Assembly	---	---	1
2	Gasket	Steam Jointing Sheet	IS2712 Gr. W/3	1
3	Packing Bush	Bronze	IS 318 Gr. LTB 2	1
4	Upper Stem	Stainless Steel	IS 6603 Gr. 12 Cr12	1
5	Body	S.G Iron	IS 1865 Gr. 400/15	1
6	Disc	S. G Iron (Epoxy Coated)	IS 1865 Gr. 400/15	1
7	Taper Pin (Optional)	Stainless Steel	IS 6603 Gr. 12 Cr12	1
8	Bush	Bronze	IS 318 Gr. LTB 2	1
9	Lower Stem	Stainless Steel	IS 6603 Gr. 12 Cr12	1
10	'O' Ring	Nitrile Rubber	IS 5192 - 1	1
11	L - Key Screw	Carbon Steel	---	1
12	C - Sunk Screw & Nuts	Carbon Steel	---	4 Each
13	Handwheel	Sheet Metal	---	1
14	Body Lining	EPDM / Nitrile	IS 5192 - 1	1
15	Name Plate	Aluminium	---	1



Sizes / Dimensions

Size (Inches)	Size (mm)	A ±1.5	ØB	C~	D~
8	200	60	201.6	180	295
10	250	68	252.2	220	320
12	300	78	301.8	250	344

~ ±10

Note : Valves are also available with limit switch and Pad lock arrangement at nominal extra cost.

1078I Butterfly Valve (Wafer Type), PN 2.5 with S.S 304 Disc

Salient Features

- Design Standard IS 13095 / BS EN 593 (BS 5155).
- Wafer Type.
- Lever Operated.
- S.G Iron construction.
- Stainless Steel (CF8 / CF8M*) Disc which is accurately guided between the two stems.
- Integrally moulded rubber lining (EPDM / Nitrile / Neoprene* / Viton* / Silicon*) as per requirement which provides seating to the valve disc, as a primary seal to the stem and gasket joint with matching pipe flanges.
- Two Piece Stem design which is precisely guided between the PTFE / Bronze bushes.
- Compatible to sandwich between flanges as per BS 10 Table D, E, F, H, DIN, PN 10, PN 16, PN 25, PN 40, ASA 150, ASA 300, IS 778, IS 6392 Table 17 and IS 1538.

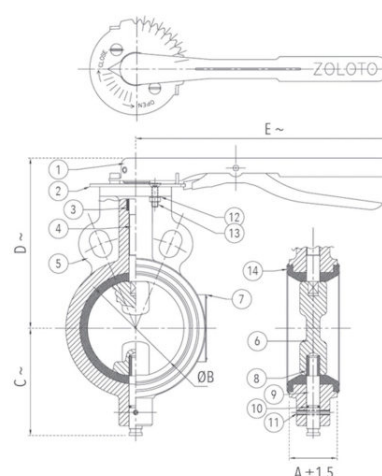
*Valves with Neoprene / Viton / Silicon lining and CF8M (S.S 316) Disc can also be provided at nominal extra cost.

PN 2.5 -
Test Pressure (Hydrostatic) :
Shell : 3.75 MPa
Seat : 2.75 MPa
Maximum Working Pressure : 2.5 MPa
Maximum Working Temperature : 90°C

Suitable For
Water

Materials

P.No.	Name of Part	Material of Construction	Specification	Qty.
1	Flow Control Lever	Carbon Steel (Powder Coated)	---	1
2	Notch Plate	Carbon Steel (Powder Coated)	---	1
3	Packing Bush	PTFE	---	1
4	Upper Stem	Stainless Steel	IS 6603 Gr. 12 Cr12	1
5	Body	S.G Iron	IS 1865 Gr. 400/15	1
6	Disc	Stainless Steel	IS 3444 Gr. 1 / ASTM A 351 Gr. CF8	1
7	Name Plate	Aluminium	---	1
8	Bush	Bronze	IS 318 Gr. LTB 2	1
9	Lower Stem	Stainless Steel	IS 6603 Gr. 12 Cr12	1
10	'O' Ring	Nitrile Rubber	IS 5192 - 1	1
11	L - Key Screw	Carbon Steel	---	1
12	C - Sunk Screw & Nuts	Carbon Steel	---	2 Each
13	Locking Washer	Spring Steel	---	2
14	Body Lining	EPDM / Nitrile	IS 5192 - 1	1



Sizes / Dimensions

Size (Inches)	Size (mm)	A ±1.5	ØB	C ~	D ~	E ~
1 1/2	40	33	40.6	57	113	260
2	50	43	53	73	125	260
2 1/2	65	46	67.5	80	140	260
3	80	46	81.3	88	145	260
4	100	52	101.5	110	178	260
5	125	56	127.1	122	190	260
6	150	56	151.5	151	204	260

~ ±10

NOTE : Valves are also available with limit switch, Pad lock arrangement and gear arrangement at nominal extra cost.

1078J Butterfly Valve (Wafer Type), PN 2.5 with S.S 304 Disc - Gear Operated

Salient Features

- Design Standard IS 13095 / BS EN 593 (BS 5155).
- Wafer Type.
- Gear Operated.
- S.G Iron construction.
- Stainless Steel (CF8 / CF8M*) Disc which is accurately guided between the two stems.
- Integrally moulded rubber lining (EPDM / Nitrile / Neoprene* / Viton* / Silicon*) as per requirement which provides seating to the valve disc, as a primary seal to the stem and gasket joint with matching pipe flanges.
- Two Piece Stem design which is precisely guided between the PTFE / Bronze bushes.
- Compatible to sandwich between flanges as per BS 10 Table D, E, F, H, DIN, PN 10, PN 16, PN 25, PN 40, ASA 150, ASA 300, IS 778, IS 6392 Table 17 and IS 1538.

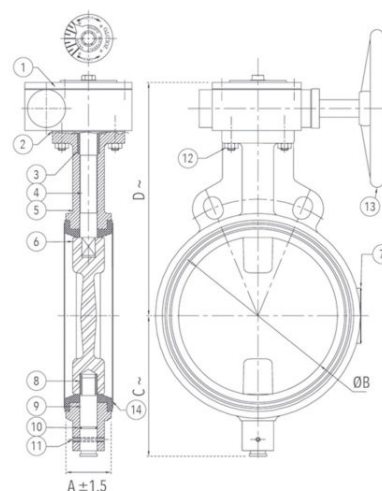
*Valves with Neoprene / Viton / Silicon lining and CF8M (S.S 316) Disc can also be provided at nominal extra cost.

PN 2.5 –
Test Pressure (Hydrostatic) :
Shell : 3.75 MPa
Seat : 2.75 MPa
Maximum Working Pressure : 2.5 MPa
Maximum Working Temperature : 90°C

Suitable For
Water

Materials

P.No.	Name of Part	Material of Construction	Specification	Qty.
1	Gear Box Assembly	---	---	1
2	Gasket	Steam Jointing Sheet	IS 2712 Gr. W/3	1
3	Packing Bush	Bronze	IS 318 Gr. LTB 2	1
4	Upper Stem	Stainless Steel	IS 6603 Gr. 12 Cr12	1
5	Body	S.G Iron	IS 1865 Gr. 400/15	1
6	Disc	Stainless Steel	IS 3444 Gr. 1 / ASTM A 351 Gr. CF8	1
7	Name Plate	Aluminium	---	1
8	Bush	Bronze	IS 318 Gr. LTB 2	1
9	Lower Stem	Stainless Steel	IS 6603 Gr. 12 Cr12	1
10	'O' Ring	Nitrile Rubber	IS 5192 - 1	1
11	L - Key screw	Carbon Steel	---	1
12	C - Sunk Screw & Nuts	Carbon Steel	---	4 Each
13	Handwheel	Sheet Metal	---	1
14	Body Lining	EPDM / Nitrile	IS 5192 - 1	1



Sizes / Dimensions

Size (Inches)	Size (mm)	A ±1.5	ØB	C ~	D ~
8	200	60	201.6	180	295
10	250	68	252.2	220	320
12	300	78	301.8	250	344

~ ±10

Note : Valves are also available with limit switch and Pad lock arrangement at nominal extra cost.

1078K Butterfly Valve (Wafer Type), PN 1.6 with Electrical Actuator

Salient Features

- Design Standard IS 13095 / BS EN 593 (BS 5155).
- Wafer Type.
- Electrical Actuator Operated.
- S.G Iron construction.
- Stainless Steel (CF8 / CF8M*) Disc which is accurately guided between the two stems.
- Actuator is with position indicator and adjustable center stopper for both open and closed position.
- Compliant with B.M.S (Building Management System) and PLC (Programmable Logic Control).
- Inbuilt thermal protection and space heater
- IP 67 / IP 68 protection available for outdoor application.
- Inbuilt micro switch position feedback.
- Input Voltage - 230 VAC/24 VDC* power supply.
- Integrally moulded rubber lining (EPDM / Nitrile / Neoprene* / Viton* / Silicon*) as per requirement which provides seating to the valve disc, as a primary seal to the stem and gasket joint with matching pipe flanges.
- Two Piece Stem design which is precisely guided between the PTFE / Bronze bushes.
- Compatible to sandwich between flanges as per BS 10 Table D, E, F, H, DIN, PN 10, PN 16, PN 25, PN 40, ASA 150, ASA 300, IS 778, IS 6392 Table 17 and IS 1538.
- For manual operation allen key is provided.
- Instrumental in Zero Water Waste installations.



*Valves with Neoprene / Viton / Silicon lining, IS 3444 Gr.4 /CF8M (S.S 316) Disc and 24VDC Input Voltage can also be provided at nominal extra cost.

PN 1.6 -
Test Pressure (Hydrostatic) :
Shell : 2.4 MPa
Seat : 1.76 MPa
Maximum Working Pressure : 1.6 MPa
Maximum Working Temperature : 90°C

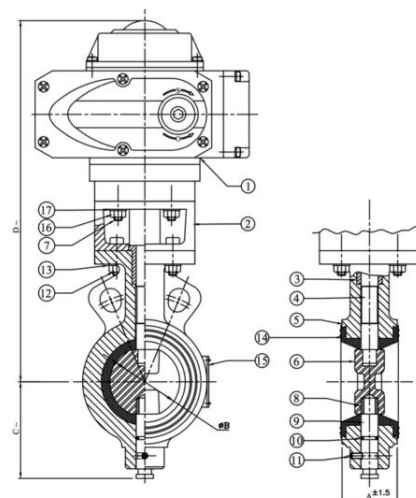
Important Note : Advised to use canopy for enhanced protection from continuous weather exposure.

Suitable For

Water

Materials

P.No.	Name of Part	Material of Construction	Specification	Qty.
1	Electric Actuator	---	---	1
2	Actuator Base	S.G. Iron	IS 1865 Gr. 400/15	1
3	Packing Bush	Bronze	IS 318 Gr. LTB 2	1
4	Upper Stem	Stainless Steel	IS 6603 Gr. 12 Cr12	1
5	Body	S.G Iron	IS 1865 Gr. 400/15	1
6	Disc	Stainless Steel	IS 3444 Gr. 1 / ASTM A351 Gr. CF8	1
7	Studs for Actuator	Carbon Steel	---	4
8	Bush	Bronze	IS 318 Gr. LTB 2	1
9	Lower Stem	Stainless Steel	IS 6603 Gr. 12 Cr12	1
10	'O' Ring	Nitrile Rubber	IS 5192 - 1	1
11	L - Key Screw	Carbon Steel	---	1
12	L-Key Bolts & Nuts	Carbon Steel	---	4 Each
13	Locking Washer	Spring Steel	---	4 Each
14	Body Lining	EPDM / Nitrile	IS 5192 - 1	1
15	Name Plate	Aluminium	---	1
16	Nuts	Carbon Steel	IS 1363 Part 3 Class 4.0	4
17	Spring Washer	Spring Steel	---	4



Sizes / Dimensions

Size (Inches)	Size (mm)	A ±1.5	ØB	C ~	D ~	Actuator Model No.
1 1/2	40	33	40.6	57	283	ZSY 1
2	50	43	52.4	73	293	ZSY 1
2 1/2	65	46	67	80	306	ZSY 1
3	80	46	81.3	88	313	ZSY 1
4	100	52	101	110	333	ZSY 2
5	125	56	127.1	122	342	ZSY 2
6	150	56	151	151	370	ZSY 2
8	200	60	201.6	180	485	ZSY 3
10	250	68	252.2	220	516	ZSY 4
12	300	78	301.3	250	540	ZSY 4

~ ±10

Note : Valves are also available with Control Panel, Magnetic Sensor for automated tank filling system.