

## Technical Details

# Butterfly Valve



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# BUTTERFLY VALVE

## Silent Features

- Meets manufacturing standard design as per BS 5155/ API 609 / IS 13095 AWWA C-504 /ANSI B 16.34 and inspection testing standard as per API 598/ BS 6755 / MSS - SP -61.
- SPLIT body compact design for open/close cycle with very low torque.
- 2PC SPLIT body with replaceable PTFE seat type valves can be supplied on specified request.
- Multipurpose water design.
- REPLACEBAL/ Molded rubber seat in various material.
- 100% tight shut off in both flow directions.
- A fully universal body design ensures suitable for mounting between all popular standards (VIZ: - ANSI, BS, DIN, IS, JIS, etc.)
- Lower torque requirement because of bearing support to the shaft.
- The notch disc & band lever ensures locking of the valves in 8 intermediate positions in addition to close and open position.

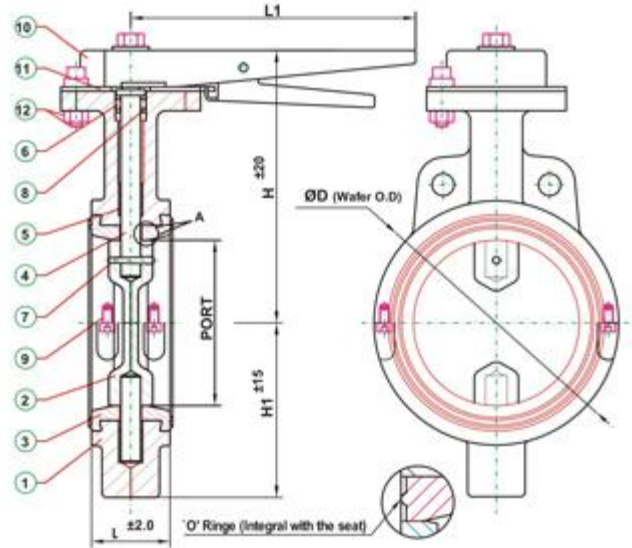
## Option

- Log type body design available on request.
- Flanged end design butterfly available on request.
- Valves can be opened by manual gear unit or pneumatic /electrically actuator.
- PTFE lining / coating.
- Valves can be supply with PTFE lining /coating in corrosive application.
- Ring joint facings available in higher classes
- Body & disc supply in difference M.O.C such as CI -IS 210 GR. FG- 200, SG IRON GGG 40, ASTM A 216 GR. WCB, ASTM A 351 GR CF8 / ASTM A 351 GR CF8M
- Seat supply in difference M.O.C. such as 1) nitrile 2)epdm 3) hypalon 4) silicon 5) viton 6)neoprene 7)
- Stellite seating hard facing are provided on request Offset disc design available in 350 NB above size butterfly valves.
- High performance metal to metal contact valves for high temperature application for hot gases.



## Material of Construction

P. No	Qty.	Nomenclature	Material
1	1	BODY	Cl. IS 210 Gr. FG 200 /WCB /CF8 /CF8M
2	1	DISC	Cl. IS 210 Gr. FG 200 /WCB /CF8 /CF8M
3	1	SEAT ( REPLACEABLE )	NITRILE /NEOPRENE/ EPDM / HYPALON / VITON/PTFE
4	2	STEM	AISI 410 / AISI 304 / AISI 316
5	2	BEARING BUSH	BRASS / STAINLESS STEEL- PTFE
6	2	BUSH	PTFE/POLY ACETAL / NYLON
7	Req.	TAPER PIN	S.S. 304 / S.S. 316
8	3	'O' RINGS	NITRILE/NEOPRENE/ EPDM/VITON
9	Req.	BODY CLAMP. CAP SCREWS	CARBON STEEL / S.S. 304
10	2	BOILS & NUTS	CARBON STEEL
11	1	NOTCH DISC	CARBON STEEL
12	1	LEVER	CARBON STEEL- FABRICATED



## Technical Specification

<b>Manufacturing</b>	<b>BS 5155 / API 609 / IS 13095</b>
<b>Face to Face (WAFER SHORT)</b>	BS 5155 / API 609 (CATEGORY A ) / IS 13095
<b>End Connection</b>	WAFER TO SUIT ANSI B16.5 150# / DIN 2542 (PN-10) DIN 2543 (PN-16) / Bs10 TABLE E
<b>Inspection &amp; Testing Std</b>	BS 5155 / BS 6755 (part-1) / API 598 / IS 13095

- Alternatively device of the disc to shaft connection can be provided at our option.
- The valve can be supplied with matching pneumatic or electrically operated actuator for remote / automated control and operation.
- The design and technical data furnished here are subject to change due to continuous product development.

## C/F:-

- Neck flange according to ISO -5211 hand lever can be locked through pad lock.
- Excellent flow control in quarter turn operation.
- Body & stem to tally protected from service fluid.
- Centrally mounted disc, shafts and bearings, therefore valves give higher cv valves.
- Face to face water short dimensions conform to BS 5155 / API 609 / IS 13095 / AWWA C 504.
- Uniflow direction installation.
- Pressure rating PN 10 / PN 16  
Testing body : 1.5 \* PN  
Seat : 1.1 \* PN
- Temp range: - 20'c to 180 'c (depending on MOC)

## Application

- COMPRESSED AIR PLANTS.
- CHEMICAL INDUSTRY.
- SUGAR INDUSTRY.
- DRILLING RIGS.
- GASES AND VAPOURS PLANTS.
- PAPER INDUSTRY.
- PHARMACEUTICAL PLANTS.
- MILK & FOOD INDUSTRY.
- AGGRESSIVE CHEMICALS.
- REFRIGERATION & AIR CONDITIONING PLANTS.
- HIGH VACCUM APPLICATION.
- COOLING WATER CIRCULATION.
- CONSTRUCTION INDUSTRY.
- WATER TREATMENT PLANT.
- PESULPHURISATION PLANTS.

## Selection Gland Packing Material

SIZE	PORT	L	H	H1	L1	ØD
40	38	33	114	58	200	81.5
50	50	43	130	70	200	95
65	65	46	140	80	200	108
80	80	46	147	85	200	126
100	100	52	170	105	250	157
125	125	56	187	118	250	189
150	150	56	205	135	250	211
200	200	60	255	164	360	266
250	250	68	285	198	360	328
300	300	78	330	238	360	378.5