

Papillon Valves

WAFER TYPE BUTTERFLY VALVES



Handle Operated



Gearbox Operated



Pneumatic/Electrical Actuator

Design Features:

Papillon make Butterfly Valves are hydrodynamically designed to get maximum flow efficiency. Its light weight, compact design and quarter turn operation makes it the best option for flow control applications.

Papillon Butterfly Valves are designed to install in any position between horizontal and vertical piping. No separate gasket required as those are integral with rubber seat. This saves installation time and cost also as it is economical than gate valves.

FIELD OF APPLICATION

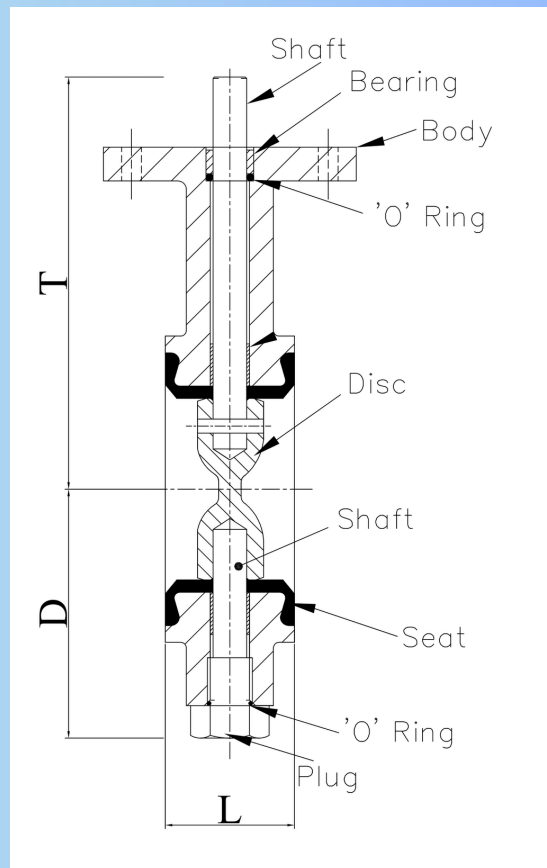
- Drinking water
- Compressed air
- Sugar Factories
- Pharmaceuticals
- Milk & Food
- Sea water & Brine
- Refrigeration & Air Conditioning (HVAC)
- Salt or Chemically treated water
- Gases & Vapors
- Aggressive Chemicals
- Breweries
- High Vacuum applications
- High Frequency operations
- Water Treatment plants

SALIENT FEATURES

- Compact, light weight design
- Low maintenance, long service life
- Excellent flow control in quarter turn
- 100% tight bidirectional shutoff
- Investment cast SS disc for super finish
- Easy automation/ Retrofit possible
- Lower torque requirement because of bearing support
- Wide range of Body, Disc and Seat material options
- Suitable for mounting between all flange standards
- Metal to metal contact valves for high temperature application
- Low pressure drop

DIMENSION CHART

Size DN	ØA	L	D	T	Wt.(kg)
32	48	33	48	95	1.5
40	48	33	66	106	1.85
50	58	43	70	113	2.4
65	73.4	46	76	121	2.9
80	88	46	84	129	3.07
100	116	52	100	147	4.23
125	141	56	112	158	7.11
150	166	56	133	174	8.48
200	216.6	60	160	198	12.4
250	270	68	198	245	23.15
300	320	78	224	270	34
350	356	78	260	321	66
400	408	100	290	348	90



PARTS & MATERIALS

Sr. no.	Part	STD Mode of construction	Options
1.	Body	CI IS 210Gr 25 Epoxy coated	SG iron GGG40, Cast Steel, CF8, CF8M, AI
2.	Disc	SG Iron GGG40	Cast steel, CF8, CF8M
3.	Seat	EPDM	Silicon, Neoprene, Nitrile or as per requirement
4.	Shafts	SS410	SS304, SS316
5.	Bearings	Polyacital	Teflon
6.	'O' Rings	EPDM	Nitrile, Neoprene, Viton
7.	Taper pin	En8	SS304, SS316
8.	Plug	Carbon steel	SS304, SS316
9.	Hand Leaver	MS Fabricated	

PRESSURE RATING: PN10/ PN16

PRESSURE TESTING: Body: 1.5 x PN
Seat: 1.1 x PN

DESIGN

Wafer type butterfly valve according to ISO 5752 short/ BS 5155 short/ IS 13095

ACTUATION

Valves are fitted with flow control hand lever with regulation disc upto 250mm. Worm gear box for 300mm. Can also be supplied with Pneumatic/ Electrical actuators.

SEAT RING RUBBER CHARACTERISTICS

Seat	Suitable for	Temp. range
Nitrile	Water, Hot water, Animal & Vegetable oil and grease bases, Acids	-20°C to 110°C
EPDM	Water, Hot water, Steam, Alcohol	-50°C to 120°C
Silicon	Hot air, Oxygen, Animal & Vegetable oil and Grease	-50°C to 120°C
Viton	Best chemical resistance of all elastomers, High vacuum, Motor fuel, Oil, Grease	-10°C to 160°C
Neoprene	Refrigeration coolants eg. Ammonia, carbondioxide, Freon, Alcohol, Glycol	-30°C to 90°C

Manufactured by:

Papillon Valves

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