

Features

- Designed to MASS-SP67,API609 standards
- Flanged ends designed To PN16,PN10,DIN16,JIS10K,16K,ANSI B16.1/16.5,BS4504,DIN2015.
- Working pressure:225PSI TO 8" 150PSI To12"
- Shell test :350PSI,Seal Test:250PSI
- Direct Mount ISO5211 for low profile,Cost-efficient operation
- Pneumatic actuator,electric actuator, worm gear,handle lever as operators.

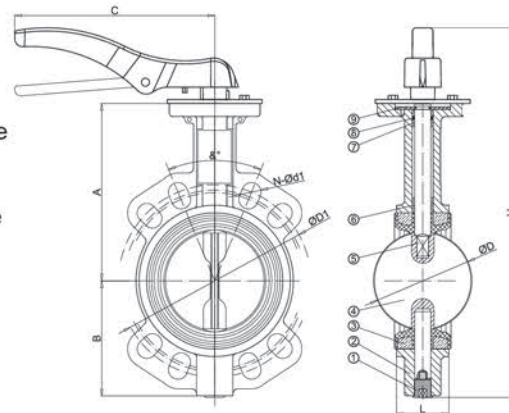
Main Specification

Nominal Size	Operated Type	Work Pressure	Work Temperature	Seal Material	Disc Material	Body Material	Medium	Application	Connection Standard
DN25 ↓ 1200	Pneumatic Actuator	PN6	-15-85°C	EPDM	SS304/SS316	Ductile Iron	Water	Water Treatment	PN10/PN16
	Electric Actuator	PN10	-25-150°C	PTFE	Aluminum Bronze	SS304/SS316	Oil	Municipal Engineer	ANSI150
	Manual Hand Lever	PN16	-15-85°C	NBR	Nylon	WCB	Gas	Pharmacy	DIN16
	Worm Gear		-25-200°C	VITON	Ductile Iron 2205 2507 1.4529	Aluminium Alloy 2205 2507 1.4529	Powder FGDD	Auto Industry	JIS10K/16K

Manual Handle Lever Operated



- cavity filled TFE® seats to reduce the threat of media entrapment
- Block body and bolted end piece design for easy maintenance
- Polished clamp end to meet BS 4835.3



Dimensions

unit: mm

Size		CLASS150		JIS 10K		PN10		PN16		A	B	C	ΦD	H	L	WT (kg)
DN	NPS	D1	N-Φd1	D1	N-Φd1	D1	N-Φd1	D1	N-Φd1							
32	1¼"	88.9	4-Φ15.9	100	4-Φ19	100	4-Φ19	100	4-Φ19	110	64	213	34.6	242.35	33	1.2
40	1½"	98.5	4-Φ15.9	105	4-Φ19	110	4-Φ19	110	4-Φ19	120	70	213	43	258.35	33	1.8
50	2"	120.6	4-Φ19.1	120	4-Φ19	125	4-Φ19	125	4-Φ19	140	80	213	52.9	288.35	42	3.1
65	2½"	139.7	4-Φ19.1	140	4-Φ19	145	4-Φ19	145	4-Φ19	150	89	213	64.5	307.35	44.7	3.55
80	3"	152.4	8-Φ19.1	150	8-Φ19	160	8-Φ19	160	8-Φ19	158	95	213	78.8	321.35	46	3.95
100	4"	190.5	8-Φ19.1	175	8-Φ19	180	8-Φ19	180	8-Φ19	176	114	277	104	363.64	52	5.1
125	5"	215.9	4-Φ22.4	210	4-Φ23	210	4-Φ23	210	4-Φ19	190	127	277	123.3	390.64	54.4	7
150	6"	241.3	4-Φ22.4	240	4-Φ23	240	4-Φ23	240	4-Φ23	211	139	277	155.1	423.64	55.8	8.5

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WAFER BUTTERFLY VALVE

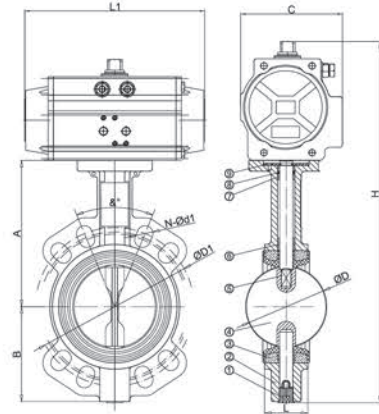


Pneumatic Actuator Operated



PNEUMATIC ACTUATOR

- Rack and pinion design
- Spring return or double acting
- Open and closed adjustment stops
- True NAMUR accessory mounting
- Visual indicator



unit: mm

Dimensions

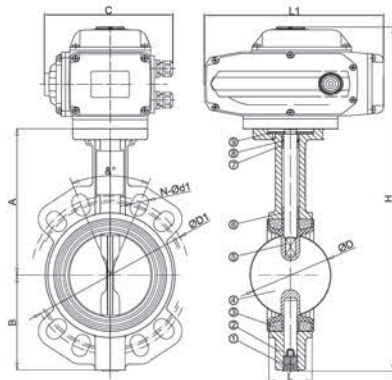
Size		CLASS150		JIS 10K		PN10		PN16		A	B	ΦD	L	DOUBLE ACTING			WT (kg)
DN	NPS	D1	N-Φd1	D1	N-Φd1	D1	N-Φd1	D1	N-Φd1					H	L1	C	
32	1 1/4"	88.9	4-Φ15.9	100	4-Φ19	100	4-Φ19	100	4-Φ19	110	64	34.6	33	263.5	139.5	71	1.4
40	1 1/2"	98.5	4-Φ15.9	105	4-Φ19	110	4-Φ19	110	4-Φ19	120	70	43	33	279.5	139.5	71	2.6
50	2"	120.6	4-Φ19.1	120	4-Φ19	125	4-Φ19	125	4-Φ19	140	80	52.9	42	309.5	139.5	71	3.9
65	2 1/2"	139.7	4-Φ19.1	140	4-Φ19	145	4-Φ19	145	4-Φ19	150	89	64.5	45	339.5	162	80.5	4.9
80	3"	152.4	8-Φ19.1	150	8-Φ19	160	8-Φ19	160	8-Φ19	158	95	78.8	46	353.5	162	80.5	5.3
100	4"	190.5	8-Φ19.1	175	8-Φ19	180	8-Φ19	180	8-Φ19	176	114	104	52	407	207	95	7.4
125	5"	215.9	4-Φ22.4	210	4-Φ23	210	4-Φ23	210	4-Φ19	190	127	123.3	55	445.5	237.5	106	10.2
150	6"	241.3	4-Φ22.4	240	4-Φ23	240	4-Φ23	240	4-Φ23	211	139	155.1	56	491.5	271.5	123	13.5
200	8"	298.5	4-Φ22.4	290	4-Φ23	295	4-Φ23	295	4-Φ23	235	175	202.5	61	586.5	328	137	20.5
250	10"	316.9	4-Φ25.4	355	4-Φ25	350	4-Φ23	355	4-Φ28	265	203	250.5	66	651.5	366	148	29.2

Electric Actuator Operated



ELECTRIC ACTUATOR

- AC 24V, 220V, 230V, 380V
DC 12V, 24V
- NEMA 4 and NEMA 7 enclosures
- Manual override
- visual indicator



unit: mm

Dimensions

Size		CLASS150		JIS 10K		PN10		PN16		A	B	ΦD	L	H	L1	C	WT (kg)
DN	NPS	D1	N-Φd1	D1	N-Φd1	D1	N-Φd1	D1	N-Φd1								
32	1 1/4"	88.9	4-Φ15.9	100	4-Φ19	100	4-Φ19	100	4-Φ19	110	64	34.6	33	311.5	165	140.5	2.9
40	1 1/2"	98.5	4-Φ15.9	105	4-Φ19	110	4-Φ19	110	4-Φ19	120	70	43	33	327.5	165	140.5	3.3
50	2"	120.6	4-Φ19.1	120	4-Φ19	125	4-Φ19	125	4-Φ19	140	80	52.9	42	357.5	165	140.5	4.6
65	2 1/2"	139.7	4-Φ19.1	140	4-Φ19	145	4-Φ19	145	4-Φ19	150	89	64.5	45	376.5	165	140.5	5.1
80	3"	152.4	8-Φ19.1	150	8-Φ19	160	8-Φ19	160	8-Φ19	158	95	78.8	46	390.5	211.5	140.5	5.5
100	4"	190.5	8-Φ19.1	175	8-Φ19	180	8-Φ19	180	8-Φ19	176	114	104	52	458.5	211.5	154	8.4
125	5"	215.9	4-Φ22.4	210	4-Φ23	210	4-Φ23	210	4-Φ19	190	127	123.3	55	485.5	259	154	10.3
150	6"	241.3	4-Φ22.4	240	4-Φ23	240	4-Φ23	240	4-Φ23	211	139	155.1	56	553	259	186	15
200	8"	298.5	4-Φ22.4	290	4-Φ23	295	4-Φ23	295	4-Φ23	235	175	202.5	61	613	259	186	19
250	10"	316.9	4-Φ25.4	355	4-Φ25	350	4-Φ23	355	4-Φ28	265	203	250.5	66	671	283.5	186	26.7

Technical Material List

APPLICABLE STANDARDS & TECHNICAL NOTES:							
DESIGN CODE	API609			END STANDARD	ANSI 150#/JIS 10K		
INSPECTION&TEST	API508			FACE TO FACE	API609		
NO.	PARTS NAME	MATERIAL	QTY	NO.	PARTS NAME	MATERIAL	QTY
1	TOP SILK	CARBON STEEL	1	6	LONG BUSHING	PTFE	1
2	BODY	DI/WCB/CF8/CF8M	1	7	SHORT BUSHING	PTFE	1
3	SEAT	EPDM	1	8	O-RING	NBR	2
4	DISC	WCB/DI+NYLON/CF8/CF8M	1	9	THRUST INSERT	CARBON STEEL	1
5	STEM	SS416	2				
TEST PRESSURE							
		SHELL		SEAL			
	HYDROSTATIC	24/15 kg/cm ²		17.6/11 kg/cm ²			
	AIR	—		—			
TITLE: WAFER BUTTERFLY VALVE							
SIZE	DN32-DN250			DWG NO.	FT0114000003-1.1		



8 – STEM: Precision square disc to stem connection drives the disc without the need for screws or pins. The close tolerance, square connection that drives the valve disc is an exclusive feature of the Flowx valve. Disassembly of the Flowx stem is just a matter of pulling the stem out of the disc.

1 – STEM RETAINING ASSEMBLY: The stem is retained in the body by means of a unique stainless steel Spirolox[®] retaining ring, a thrust washer and two C-rings, manufactured from brass as standard, stainless steel upon request.

2 – STEM BUSHING: Non-corrosive, heavy duty acetal bushing absorbs actuator side thrust.

3 – STEM SEAL: Double “U” cup seal design is self-adjusting and gives positive sealing in both directions.

4 – PRIMARY AND SECONDARY SEALS: These seals prevent line media from coming in contact with the stem or body. The primary seal is an interference fit of the molded seat flat with the disc hub. The secondary seal is created because the stem diameter is greater than the diameter of the seat stem hole.

5 – BODY: One piece wafer or lug style. Polyester coating for excellent corrosion resistance. Nylon 11 coating is available as an option.

6 – SEAT: Flowx’s tongue and groove seat design provides complete isolation of flowing media from the body. The seat also features a molded o-ring which eliminates the use of flange gaskets.

7 – DISC: Casting is spherically machined and hand polished to provide a bubble tight shutoff, minimum torque, and longer seat life. Flowx’s resilient Nylon 11 coating comes as standard.