

PROTORK

Your final valve solution



BFV SERIES



Engineered for maximum
Durability, Performance & Quality

www.protork.net

PROTORK butterfly valves are designed for general purpose applications in wide range of industries. Valve design conforms to API609 standard and features along neck with an ISO mounting pad that allows easy and direct mounting of variety of actuators. Single stem through-the-disc design provides for a robust stem-to-disc connection for reliable operation.

Technical Specifications

TYPE	Wafer Butterfly
SIZE	25 mm to 600 mm (higher sizes on request)
PRESSURE RATING	PN 10 and PN 16 available
TEMPERATURE	-20° c to 180° c
END STYLE	Wafer flangeless, with locating holes (*) (*) Lug, Semi Lug and flanged versions and duo-offset disc models are also available on request
FACE-TO-FACE	As per API-609
DRILLING	Suitable for mounting between flanges drilled to ANSI 25/150, BS Table D/E & BS 4504 NP 10/16
BODY	Cast iron standard, DI, WCB, CF8, CF8M as options
DISC	Ductile iron , CF 8, CF8M & Monel as options
STEM	SS 410 standard, SS 304 , SS 316 & Monel options
SEAT	EPDM Standard, Neoprene, Hypalon & Viton options
ACTUATOR MOUNTING	Mounting pad conforming to DIN/ISO 5211
ACTUATOR OPTION	Ten position lever, geared hand wheel, pneumatic or electric
APPLICATION MEDIA	Liquid, Semi liquid, Air
DESIGN STANDARD	ANSE, B16.5, EN 1092, JIS 10K

Typical applications

- General services in all types of industries
- Air conditioning & HVAC Vacuum service
- Process and chemical plants
- Paper & Pulp industry
- Waste & Effluent treatment plants
- Water treatment plants
- Fire fighting, chemical & sugar industry
- Heating & Air conditioning
- Cooling water circulation
- & Other applications

Test Specifications

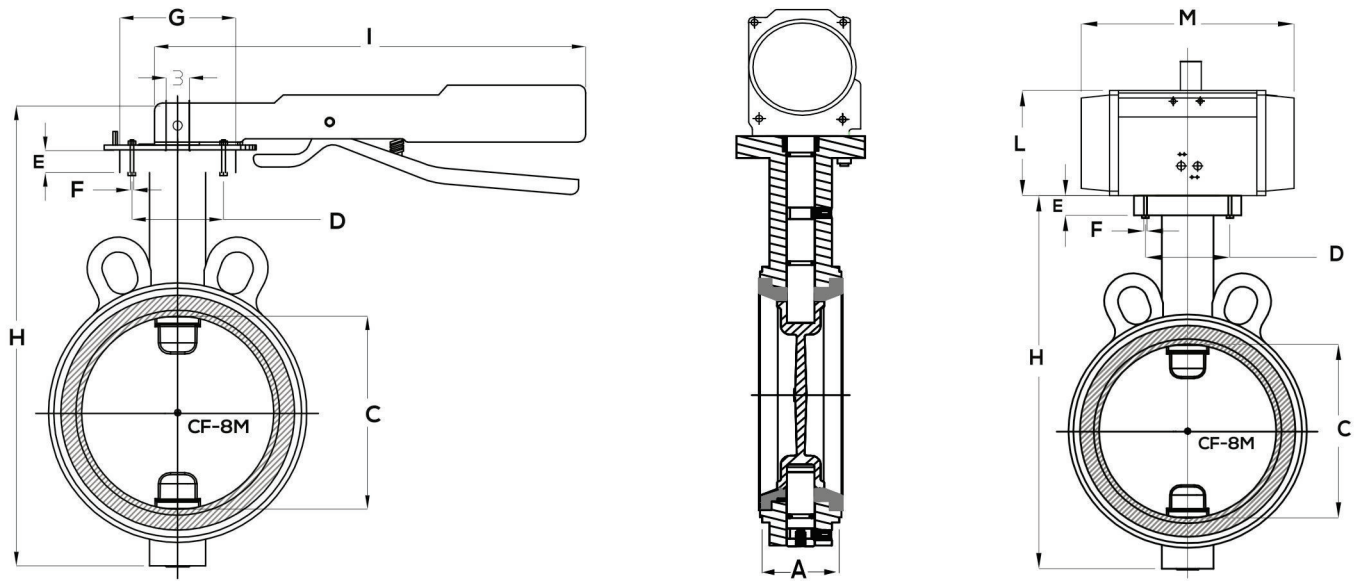
- Body and Seat test As per API 607 6th edition

Painting

- Standard paint is two- pack epoxy coated in blue color

(other paint options available on request)

DRAWING OF BUTTERFLY VALVE & BUTTERFLY VALVE WITH ACTUATOR



DIMENSION OF BUTTERFLY VALVE WITH PNEUMATIC ACTUATOR

Inches	MM	A	B	C	D	E	F	G	H	I	L	M
1	25	34	13	25	50	14	7	65	165	170	110	45
1 1/4	32	34	13	32	50	14	7	65	172	170	143	72
1 1/2	40	33	13	40	50	14	7	65	185	170	143	72
2	50	43	13	51	50	14	7	65	206	170	143	72
2 1/2	65	46	13	65	50	17	7	65	242	170	143	72
3	80	46	15	81	50	17	7	65	245	195	190	86
4	100	52	15	103	50	17	7	65	284	195	207	99.5
5	125	56	19	125	70	17	9	90	331	320	207	99.5
6	150	56	19	153	70	17	9	90	358	320	213	109
8	200	60	19	201	70	19	9	90	421	320	267	133
10	250	68	24	253	90	22	9	90	520	450	340	155
12	300	78	24	300	90	22	9	90	578	450	414	171.5
14	350	92	36	340	125	25	13	150	700			
16	400	102	36	385	125	25	13	150	780			
18	450	114	38	428	125	25	13	150	850			
20	500	127	38	475	125	25	13	150	940			
24	600	154	38	570	125	25	13	150	1035			

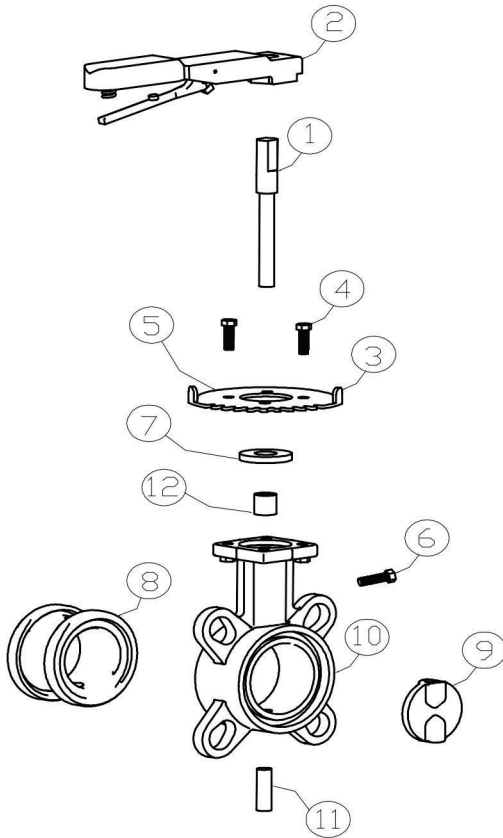
* MORE THEN 300 MM VALVE WITH ACTUATOR AVAILABLE PLEASE CONSULT WITH COMPANY

Weight & Valve flow Capacity (Cv)

Size (mm)	50	65	80	100	125	150	200	250	300
Weight (kg)	2.6	3.4	3.7	5.1	7.2	8.2	12.6	19.8	30.8
Cv (GPM)	159	266	457	860	1320	2020	3540	5580	8080

• Cv - flow in U.S GPM (Gallon per minute) @1 psi pressure drop

MATERIAL CONSTRUCTION OF BODY MATERIAL



SL.NO	PARTS	MATERIAL
1	UPPER SPINDLE	13% Cr
2	HANDLE	CAST IRON
3	LOCK PIN	MS
4	ALLEN BOLT	SS 304
5	LOCK PLATE	MS
6	GRUB SCREW	MS
7	O RING	NBR
8	RUBBER LINER	NITRILE/EPDM
9	DISC	SG IRON
10	BODY	CAST IRON
11	LOWER SPINDLE	13% Cr
12	BUSH	PTFE

ORDERING CODE

Valv Series	Valve Inch	Size mm	Body Material	Disc	Seat	Shaft	End Style	Operation
BFV	1"	25	01 CAST IRON	01 CAST IRON	01 PTFE	01 CAST IRON	01 WAFER LUG TYPE	00 LEVER
	1 1/4"	32	02 CF8	02 CF8	02 EPDM	02 CF8		01 PNEUMATIC DA
	1 1/2"	40	03 CF8M	03 CF8M	03 NBR	03 CF8M	02 WAFER SEMI LUG TYPE	02 PNEUMATIC SR
	2"	50	04 DUCTILE IRON	04 DUCTILE IRON	04 VITON	04 DUCTILE IRON		03 GEAR OPERATED
	2 1/2"	65	05 SG IRON	05 SG IRON	05 HYPALON	05 SG IRON	03 FLANGED END #150	04 ELECTRICAL ACTUATOR
	3"	80	06 SS 410	06 SS 410	06 NEOPRENE	06 SS 410		
	4"	100	07 MONEL	07 MONEL		07 MONEL	04 FLANGED END #300	
	5"	125	08 ALUMINUM	08 ALUMINUM		08 ALUMINUM		
	6"	150	09 BRONZE	09 BRONZE		09 BRONZE		
	8"	200						
	10"	250						
	12"	300						
	14"	350						
	16"	400						
	18"	450						
	20"	500						
	24"	600						

Order code select

2" Wafer type Butterfly Valve of cast iron body ductile iron disk EPDM seat

Valve Series	Valve size	Material Body	Disc	Seat	Shaft	End style	Operation
BFV	50	01	04	02	06	02	00



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