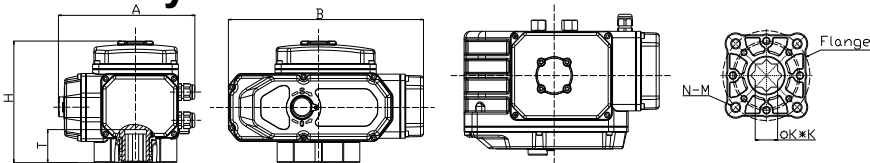


BFVA Butterfly Valve Actuator



Model	A	B	H	T	□K* $\square$ K	N-M	Flange	Weight
BFVA0050*	140	178	120	30	14×14	4-M5,4-M6,4-M8	F03, F05, F07	3kg
BFVA0100*	151	217	138	35	17×17	4-M6,4-M8	F05, F07	4.5kg
BFVA0150*	151	217	138	35	17×17	4-M6,4-M8	F05, F07	4.5kg
BFVA0250*	193	291	158	45	22×22	4-M8,4-M10,4-M12	F07, F10, F12	10kg
BFVA0400*	193	291	158	45	22×22	4-M8,4-M10,4-M12	F07, F10, F12	10kg
BFVA1000*	225	314	199	50	27×27	4-M10,4-M16	F10/F14, F12	14.7kg
BFVA2000*	225	314	199	50	36×36	4-M10,4-M16	F10/F14, F12	14.7kg
BFVA4000*	293	439	309	82	46×46	4-M20,8-M16	F16, F25	43.7kg
BFVA6000*	293	439	309	82	46×46	4-M20,8-M16	F16, F25	57.3kg

Applications & Features

- Special designed for the control of butterfly valves of various HVAC systems and equipment. Can apply with Fluxera's BFV butterfly valves or other brands' butterfly valves
- Very easy to connect the actuator and butterfly valve, comply with ISO5211 standard flange
- The whole-in-one design of turbine and output shaft avoid the gap of key connection. Made of special brass alloy, has high strength, good wear resistance, high transmission accuracy and structural self-locking
- In case of power failure, it can be manually operated through the attached hex wrench
- Holder, coupling and screw are stainless steel made, can be water and rust proof without refueling or maintenance
- Mechanical position indicator made of tempered glass
- State of art die-casting aluminum enclosure, reduce electromagnetic interference
- Pass AC1800V voltage withstand test, class F insulated motor, independent wiring room, ensures good safety
- Heat and overload protection, electrical and mechanical dual limit protection
- Condensation protection of heating dehumidification can avoid electrical failure
- High protection rate of IP67

Specifications

Torque: 50~6000Nm

Medium and temp.: Cold or hot water, -10~120°C

Butterfly valve connection: comply with ISO5211

Angle of rotation: 90°

Running time: See Models. 60Hz is 5/6 times of 50Hz

Position indicator: Mechanical made of tempered glass

Power: 220VAC±10%, 50/60Hz

Driver: AC Motor

Consumption: 53~462VA, see details in Models

Control signal: ON/OFF: on/off, 3 pos;

Modulating: 4~20mA, optional 0~10V/2~10V

Feedback signal: ON/OFF:2(dry contact+wet contact)xSPDT

aux. switch, 250VAC/5A;

Modulating: 4~20mA, optional 0~10V/2~10V

Moisture protect: Heater, AC220V/5~15W

Motor protect: Class F insulated, with overheat protector, start temp. at 125±5°C

Motor working mode: Intermittent work, S4

Electrical connection: Screw terminal

Cable Interface: 1-M20x1.5(ON/OFF),2-M20x1.5(Modulating)

Work temp.: -25~60°C, 5~95%RH, no cond.

Materials: Die-casting aluminum enclosure

Protection: IP67

Weight: See Dimensions

Approval: CE

Models

Actuator Model ON/OFF	Actuator Model Modulating	Torque Nm	Run time S/50Hz	Consumption VA	Heater W
BFVA0050	BFVA0050M	50	30	53	5
BFVA0100	BFVA0100M	100	30	77	5
BFVA0150	BFVA0150M	150	30	77	5
BFVA0250	BFVA0250M	250	30	84	15
BFVA0400	BFVA0400M	400	30	110	15
BFVA1000	BFVA1000M	1000	30	330	15
BFVA2000	BFVA2000M	2000	60	330	15
BFVA4000	BFVA4000M	4000	100	462	15
BFVA6000	BFVA6000M	6000	150	462	15

Match of Butterfly Valve and Actuator

Butterfly Valve			Actuator			DP
Model	DN		Model ON/OFF	Model Modulating	Torque Nm	kPa
	mm	in				
BFV050	50	2	BFVA0050	BFVA0050M	50	1000
BFV065	65	2.5	BFVA0050	BFVA0050M	50	1000
BFV080	80	3	BFVA0050	BFVA0050M	50	1000
BFV100	100	4	BFVA0050	BFVA0050M	50	1000
BFV125	125	5	BFVA0100	BFVA0100M	100	1000
BFV150	150	6	BFVA0150	BFVA0150M	150	1000
BFV200	200	8	BFVA0250	BFVA0250M	250	1000
BFV250	250	10	BFVA0400	BFVA0400M	400	1000
BFV300	300	12	BFVA0400	BFVA0400M	400	1000
BFV350	350	14	BFVA1000	BFVA1000M	1000	1000
BFV400	400	16	BFVA1000	BFVA1000M	1000	1000
BFV450	450	18	BFVA2000	BFVA2000M	2000	1000
BFV500	500	20	BFVA2000	BFVA2000M	2000	1000
BFV600	600	24	BFVA4000	BFVA4000M	4000	1000
BFV700	700	28	BFVA6000	BFVA6000M	6000	1000
BFV800	800	32	BFVA6000	BFVA6000M	6000	1000