

BFVAH High-Performance Butterfly Valve Actuator



ON/OFF (50~2000 Nm)



Modulating (50~2000 Nm)



ON/OFF (4000~6000Nm)



Modulating (4000~6000Nm)

Applications & Features

- Special designed for the control of butterfly valves of various HVAC systems and equipment. Can apply with Fluxera BFV butterfly valves or other brands' butterfly valves
- Very easy to connect the actuator and butterfly valve, comply with ISO5211 standard flange
- 3D Dual color ribbon position indicator
- Very high efficiency transmission mechanism design with structural self-locking
- Very unique modulating cam make the valve control more accurate
- In case of power failure, it can be manually operated through the mechanic handwheel
- Condensation protection of heating dehumidification can avoid electrical failure
- High accurate of valve position control up to 1%
- Independent electrical unit design, strong protective circuit, ensure the safe operation and long life
- 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: 3D Dual color ribbon position indicator

Power: 220VAC±10%, 50/60Hz

Consumption: see details in Models

Power protection: 1500V/1 min.

Insulated resistance: 100MQ/500VDC

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

Modulating: 4~20mA (default) /0~10V/

2~10V/ 0~20mA

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

SPDT aux. switch, 250VAC/5A;

Modulating: 4~20mA (default) /0~10V/ 2~10V/ 0~20mA

1(dry contact) x SPDT aux. switch, 250VAC/5A

Status of power failure: Hold

Status of signal failure: 4~20mA/2~10V: open/close/hold, can be set; 0~10V: close

Moisture protect: heater of 220VAC/25W and breather valve

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

Number of runs test: inside counter (200Nm+ actuators)

Electrical connection: Screw terminal

Cable Interface: 2-M20x1.5

Work temp.: -25~70°C

Materials: Aluminum alloy enclosure with polyester epoxy powder coating

Protection: IP67

Weight: See Dimensions

Approval: CE

Models

Model ON/OFF	Model Modulating	Torque Nm	Run time S/50Hz	Consumption VA	Heater W	Weight Kg
BFVAH0050	BFVAH0050M	50	20	48	25	4
BFVAH0080	BFVAH0080M	80	30	48	25	4
BFVAH0200	BFVAH0200M	200	30	92	25	5
BFVAH0400	BFVAH0400M	400	30	136	25	8
BFVAH0800	BFVAH0800M	800	35	220	25	18
BFVAH1000	BFVAH1000M	1000	54	220	25	19
BFVAH2000	BFVAH2000M	2000	40	286	25	28
BFVAH2500	BFVAH2500M	2500	50	286	25	28
BFVAH4000	BFVAH4000M	4000	216	286	25	52
BFVAH6000	BFVAH6000M	6000	120	286	25	62

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	BFVAH0050	BFVAH0050M	50	1000
BFV065	65	2.5	BFVAH0050	BFVAH0050M	50	1000
BFV080	80	3	BFVAH0050	BFVAH0050M	50	1000
BFV100	100	4	BFVAH0050	BFVAH0050M	50	1000
BFV125	125	5	BFVAH0080	BFVAH0080M	80	1000
BFV150	150	6	BFVAH0200	BFVAH0200M	200	1000
BFV200	200	8	BFVAH0200	BFVAH0200M	200	1000
BFV250	250	10	BFVAH0400	BFVAH0400M	400	1000
BFV300	300	12	BFVAH0400	BFVAH0400M	400	1000
BFV350	350	14	BFVAH0800	BFVAH0800M	800	1000
BFV400	400	16	BFVAH1000	BFVAH1000M	1000	1000
BFV450	450	18	BFVAH2000	BFVAH2000M	2000	1000
BFV500	500	20	BFVAH2000	BFVAH2000M	2000	1000
BFV600	600	24	BFVAH2500	BFVAH2500M	2500	1000
BFV700	700	28	BFVAH4000	BFVAH4000M	4000	1000
BFV800	800	32	BFVAH6000	BFVAH6000M	6000	1000