



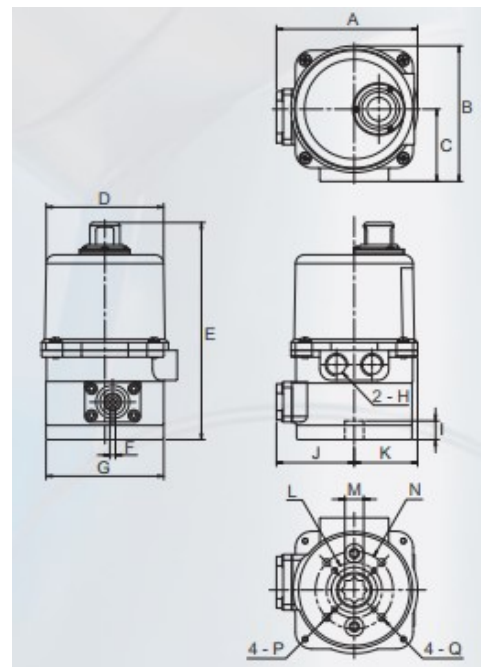
MC-BF-AM SERIES QUARTER TURN ACTUATOR DATA SHEET,

High Torque Actuator with Manual Override.

Ideal choice for Butterfly valves up to 4" diameter, select model from torque specifications to suit valve size.



MANUAL OVERRIDE
DETAIL



DIMENSIONS in MM

MODEL	A	B	C	D	E	F	G	H	I	J	K	L	M	N	P	Q	FLANGE
MC-BF-AM	127	122	65	Ø106	196	5	Ø102	1/2"	20	70	57	Ø50	17	Ø70	M8	M8	F05/F07

ENCLOSURE:

- IP67, NEMA 4X, Waterproof & dustproof.
- Powder coated aluminium enclosure.

MOTOR:

- Class F insulation standard, class H optional.
- Thermal protection built in, prevents burn out. AC motor trips @ 125±5°C, DC motor trips 90°C.

DUTY CYCLE:

- 30% Duty cycle standard.
- Extended duty cycle MC-1 & MC-BFW3-8 75% MC-BFW9-13 50% duty cycle.

POSITION INDICATION:

- Easy view position indicator on top of the actuator cover.
- 2 Additional limit switches for remote position indication.

MANUAL OVERRIDE:

- Non clutch design, nothing to engage for manual operation during power failure.
- Weather sealed, flush hex key drive, for easy manual operation by hand or powered drill bit.

GEAR TRAIN:

- High alloy all steel gear train with self locking, anti run back design.
- Life time factory lubrication with high temperature grease.

ENVIRONMENTAL CONDITIONS:

- Ambient temperature -30°C to +65°C
- Humidity 30% to 95%.

CERTIFICATION:

- CE, CSA, RoHS Compliance.

MODEL	TORQUE Nm	WEIGHT Kg	POWER W	SPEED Sec/90°	SHAFT	FLANGE ISO 5211
MC-1	35	2	10	12	14	F03/F05
MC-BF-AM	50	3	10	20	17	F05/F07
MC-BFW-2	90	11	40	15	22	F07
MC-BFW-3	150	11	40	22	22	F07
MC-BFW-4	400	20	80	16	36	F10
MC-BFW-5	500	20	80	22	36	F10
MC-BFW-6	650	20	80	28	36	F10
MC-BFW-7	1000	32	120	46	36	F12/F14
MC-BFW-8	1500	32	120	46	35	F12/F14
MC-BFW-9	2000	71	180	58	75	F14/F16
MC-BFW-10	2500	71	180	58	75	F14/F16
MC-BFW-11	3000	72	180	58	75	F14/F16
MC-BFW-12	3500	72	220	58	75	F14/F16
MC-BFW-13	4500	106	220	80	72	F16/F25

POWER SUPPLY MUST BE SPECIFIED AT TIME OF ORDER: 220/240V 50 Hz, or 110V 60Hz, or 24V AC/DC

OPTIONAL FEATURES.

SPACE HEATER & THERMOSTAT.

- Protects actuator internals in low temperature or high humidity.
- Thermostat turns off heater at temperatures over 25°C.

FEEDBACK POTENTIOMETER 1K to 5K.

- Position feed back for on/off actuators.

MODULATING CONTROLLER.

- Position actuator with 4-20mA input signal.
- 4-20mA position output signal.

CHAIN WHEEL DRIVE.

- A chain drive allows manual operation from a lower floor.

FIELDBUS CONNECTIVITY.

- Modbus.

IMPROVED WATERPROOFING.

- IP68 rating

ALTERNATIVE CONDUIT ENTRIES.

- Standard 1/2" PS, Optional 1/2" NPT or M20 or 3/4" PF.

CONTACT OUR SALES TEAM FOR TECHNICAL ADVICE & PROJECT PRICING

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