BM SERIES BALL VALVE ACTUATOR

Modulating Control 2 Nm



BM...02 SERIES

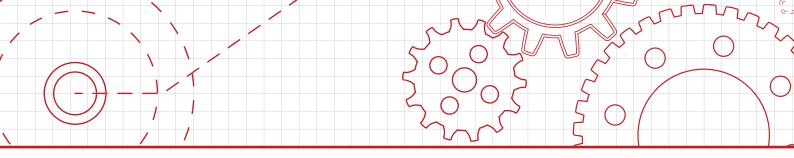
BM series standard valve actuators are especially designed and produced for applications in the HVAC systems. Our wide range of standard valve actuators has been developed to operate and position ball valves of different sizes.

PRODUCT FEATURE

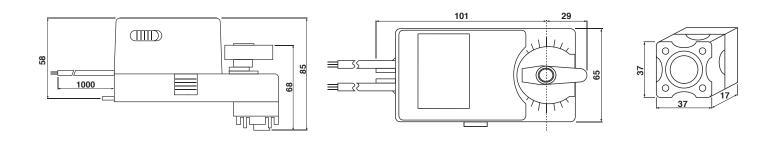
- Torque 2 Nm
- Valve size DN15(½") / DN20(¾")
- Power supply AC/DC 24 V
- Modulating Control Signal DC 0(2)...10 V
- Shaft dimensions □ 9.0 mm (fixed)
- Actuator with 1 m cable connection
- Selectable direction of rotation of reversing actuator

MODEL SELECTION TABLE

MODEL / TYPE	TORQUE	POWER SUPPLY	RUNNING TIME	AUXILIARY SWITCH
BM 1.2-02 LN	2 Nm	AC/DC 24 V ± 10%	6090 sec	-

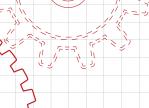


DIMENSION (mm)



TECHNICAL SPECIFICATION

MODEL NUMBER	BM 1.2-02		
TORQUE	2 Nm		
VALVE SIZE	DN15(½") / DN20(¾")		
SHAFT DIMENSION	□ 9.0 mm (fixed)		
POWER SUPPLY	AC/DC 24 V ± 10%		
FREQUENCY	5060 Hz		
CONTROL SIGNAL	DC 0(2)10 V		
POSITION SIGNAL (OUTPUT)	DC 010 V		
POWER CONSUMPTION			
OPERATING	4.0 W		
END POSITION	2.0 W		
FOR WIRE SIZING	14.0 VA		
ELECTRICAL CONNECTION	1 m Cable		
AUXILIARY SWITCH RATING	3 (1.5) A, AC 250 V		
PROTECTION CLASS	Class III 🕸		
ANGLE OF ROTATION	90° (95° mechanical)		
WEIGHT	< 0.8 Kg		
LIFE CYCLE	60,000 Rotation		
SOUND LEVEL	40 dB		
IP PROTECTION	IP54		
OPERATING TEMPERATURE	-20°50° as per IEC 721-3-3		
NON-OPERATING TEMPERATURE	-30°+60° C / IEC 721-3-2		
AMBIENT HUMIDITY	5%95% rH non condensing / EN		
MAINTENANCE	Maintenance Free		
MODE OF OPERATION	Type I / EN 60730-1		
EMC	CE & ISO 9000 EN / EEC		

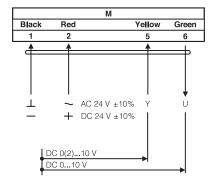


BM SERIES BALL VALVE ACTUATOR

Modulating Control 2 Nm

500

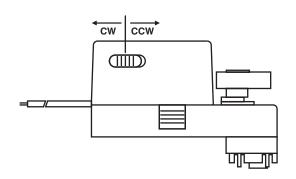
WIRING DIAGRAM BM...02 POWER SUPPLY AC/DC 24V



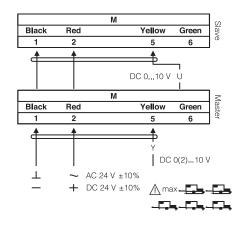
DIRECTION OF ROTATION BM...02

Default factory setting: CCW.

Direction of rotation can be change by toggling between CW/ CCW switch on the actuator's housing.

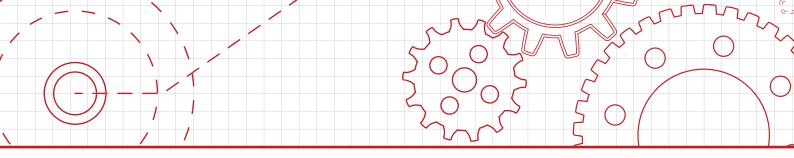


WIRING DIAGRAM BM...02 PARALLEL CONNECTION



REMARK

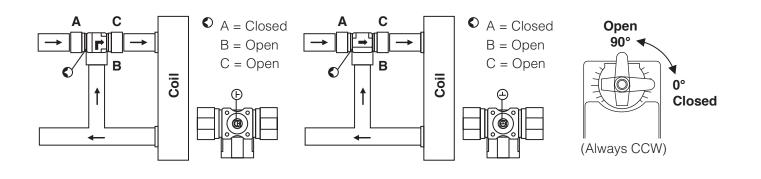
During parallel operation, the output signal (terminal 6, DC 0...10 V) of the master actuator must be connected to terminal 5 of the next slave actuator.

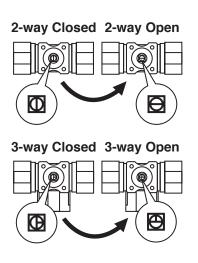


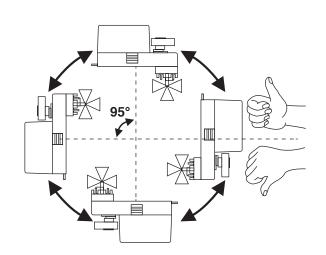
MIXING CLOSED

MIXING OPEN

ACTUATOR POSITION







IMPORTANT REMARK

For special requirement, consult your local Swisotec's representative.



This actuator includes electrical and electronic components and may not be disposed as household garbage. Please consider the local valid legislation.



To isolate from the main power supply, the system must incorporate a device which disconnects the phase conductor (with at least a 3mm contact gap.)

The performance specifications are nominal and conform to acceptable industry standards. Swisotec shall not be liable for damages resulting from misapplication or misuse of its products.