

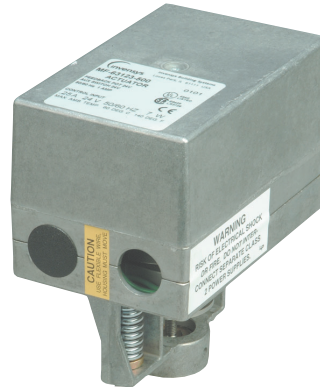
MF Series Direct Coupled

MODEL

- Floating proportional actuator, 24VA
- Optional analog proportional control
- Optional adjustable SPDT aux. switch
- 210 lbs min. output force with automatic load limit
- Self-adjusting travel and position with automatic releases
- Manual override operation with automatic releases
- Compatible with VB series valve

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Non-Spring Return Linear Actuator Specification Sheet

Floating Proportional Actuator

The direct coupled Model MF-63103 and Model MF-63123 floating proportional actuators connect directly to our VB-7000 Series valves and can be connected to our Series VB-9000 valves as well as other commercially available valves either directly (1/2" to 2" valves) or through the use of available linkage kits (2-1/2" to 4" valves). This non-spring return actuator can be controlled by the SPDT contact or triac output of a controller capable of providing drive open, hold, and drive close outputs. It is available with an SPDT optional auxiliary switch, adjustable over the actuator stroke of one inch and factory set for the NC contact to make at 3/8" from fully extended position. Actuator features include 1/2" Stainless Steel jackscrew, roller thrust bearings and an all-metal gear train. It accepts a 24Vac power input. The MF Series is compatible with the VB-7000 and VB-9000 valves in this catalog.

Proportional Analog Control Cards

The Model MF-63123 actuator can be optionally equipped with an analog module card allowing it to accept either a mAdc or Vdc signal from a controller. These cards plug directly into the main board of the actuator and accept proportional Vdc (MFC-8000) or mAdc (MFC-420) signals. The Vdc card is factory set at 6 to 9 Vdc and can be expanded to 0 to 10 Vdc. The mAdc card is factory set at 4 to 20 mAdc and can be adjusted to 2 to 25 mAdc. Both cards can be jumpered to select direct or reverse acting. The control card must be purchased separately from the actuator.

Specifications

Control signal:	SPDT slotting control contacts of 2 SPDT contacts, rating 1A @ 24Vac inductive load
Power input:	24Vac + 10%, -15%, 50/60 Hz 0.25A, 6 watts
Connections:	Closed screw terminals
Auxiliary switch:	SPDT, adjustable over actuator stroke
Force:	210 lbs. min, 270 lbs. max with auto load limit
Stroke:	Up to maximum 1", self adjusting
Timing:	2.00 minutes per inch at 60 Hz 2.24 minutes per inch at 50 Hz
Ambient Temperature:	0 to 140°F (-18 to 60°C)
Humidity:	5 to 95% RH, non-condensing
Locations:	NEMA Type 1
Feedback potentiometer:	15K Ohm (MF-63123-XXX only)

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