



EMV10T SHOWN

IMPORTANT SAFEGUARDS

Read Instructions: All Safety, installation, and setup instructions should be read before installing or operating the EMV10 Electronic Motor Valve. Failure to follow the installation and setup instruction may result in unsatisfactory performance, equipment damage, or physical injury.

1. **Service:** There are no user serviceable parts contained herein. Refer all service to qualified service personnel only.
2. **Risk of Electrical Shock:** Do not remove the valve cover except when making adjustments or servicing the valve. Always turn off all electrical power sources before servicing any mechanical part or assembly. Do not place metal objects in contact with the energized Electronic Control Board at any time.
3. **EMV10 Power Sources:** The EMV10 Electronic Motor Valve uses multiple electrical power sources. Hazardous voltages may be present even if one source to the EMV10 is secured. Verify all voltage sources to the EMV10 are secured before making repairs.
4. **Wiring:** All wiring should be routed in such a way that it is not likely to be pulled, pinched, stepped on, have objects placed on it, or damaged in any way.
5. **Retain User Manual:** The user manual should be retained for future reference.

INTRODUCTION AND FEATURES

The Maxton **EMV10** Electronic Motor Valve was designed to meet a growing demand for low use limited access (LULA), handicapped and residential hydraulic elevator applications. The EMV10 combines hydraulic and electronic control to provide excellent ride quality. The EMV10 has all the features found in a commercial hydraulic control valves plus electronic safety control and adjustments allowing quick set up and easy problem analysis.

FEATURES

- Quick set up and less field adjustments required.
- Built in pressure and viscosity compensation.
- Ride performance is maintained from empty to fully loaded condition.
- Acceleration and deceleration are independent of load and oil viscosity.
- Regulated contract down speed, up leveling speed and down leveling speed.
- Stabilized leveling speed is achieved in a very short distance.



EMV10



SPECIFICATIONS

	IMPERIAL	METRIC
Flow Range	3 - 12 gpm	11 - 45 lpm
Operating Pressure		
Min	150 psi	10 bar
Max	1000 psi	69 bar
Line Ports	3/4" NPT	
Gauge Ports "B"	1/8" NPT	
Pressure Port "S"	1/8" NPT	
Operating Temperature	80 - 150°F	26 - 65°C
Oil Type	Hydraulic ISO VG 32 150 SUS @ 100°F or equivalent biodegradable oil	
Electrical Input Provided by Elevator Contractor		
Valve Controller Power Supply	+24 VDC 3.2A (Regulated)	
Pump Disable Circuit	+120-240VAC or 24VDC	
Coil Input Signals	+120-240VAC or 24VDC	
Overall Dimensions:		
Width:	5-7/8"	149.2 mm
Height:	7 9/16"	192.1 mm
Depth:	8"	203.2 mm
Weight:	14 lbs.	6.4 kg.

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MAJOR COMPONENTS & PORT LOCATIONS

