



Electronic Micro Metering Valve

The Electronic Micro Metering Valve is a full-featured valve with the ability to control high pressure systems remotely and aids in prevention of rapid gas decompression (RGD). The second generation of the EMMV has taken steps forward in its capabilities. Increased position accuracy, higher bit resolution for input source, smaller form factor, PLC controlled, splash proof housing, and retentive memory are new features found standard on the EMMV.

The EMMV is controlled via a 12 bit analog input. It is factory calibrated to fit customer requirements of different signal types and ranges (0-20 mA, 4-20 mA, 0-5 Vdc, and 0-10 Vdc). An internal encoder ensures proper position, repeatability, and provides a closed loop configuration for all EMMV valves.

Electrical Specifications

- **Electrical Input:** 24 Vdc (+10%/-15%)
- **Max Current Draw:** 1.0A
- **Command Signal Input:** 0-20 mA, 4-20 mA, 0-5 Vdc, 0-10 Vdc (12 bit resolution)
- **Digital Outputs:** 24 Vdc (equals +Vin)

Mechanical Specifications

- **Max Pressure Rating:** 30,000 or 60,000 psi (user specified)
- **RPM:** 5 or 10 RPM (user specified)
- **Torque Capability:** up to 140 in-lb
- **Operating Temperature:** -20° to 140°F (-20° to 60°C)
- **Storage Temperature:** -20° to 185°F (-20° to 85°C)
- **Repeatability:** 0.5 degree or better
- **Positioning Accuracy:** 0.5 degree or better
- **Pressure Port Connections:** 1/4" or 3/8" High Pressure Port

“The EMMV is the perfect solution for process controlled valve used in high pressure liquid or gas systems.”



PART NUMBERS

EXAMPLE	EMMV	60K	420	-10	-46
Electronic Micro Metering Valve (EMMV)	EMMV	60K	420	-10	-46
Pressure Rating 30K = 30 ksi 60K = 60 ksi	EMMV	60K	420	-10	-46
Analog Input 005 = 0-5V 010 = 0-10V 020 = 0-20mA 420 = 4-20mA	EMMV	60K	420	-10	-46
RPM -5 = 5 RPM -10 = 10 RPM	EMMV	60K	420	-10	-46
Valve Size -46 = 1/4" Valve -66 = 3/8" Valve	EMMV	60K	420	-10	-46
Ethernet Option	Add -E to the end of part number				