

E-LO CONTROL VALVE



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INTRODUCTION

The E-LO Control Valve is a state-of-the-art technology that provides precise valve regulation for flow control. The E-LO is the best solution on the market for accurate, zero-emission low-pressure regulation. The E-LO Control Valve follows an external analog or discrete signal, and communicates remotely with MODBUS (optional).

KEY DESIGN FEATURES

- Accurate Flow Regulation
- Modular PCB Configuration
- Communicates Remotely with MODBUS (optional)
- Digital Motor Control
- Zero-emission
- Proof of Closure Indication (NFPA 87)
- Low Power
- Hazardous Location Certified (CSA)
- Leak Articulation Plug (Detects a Leak of 6 psi)

APPLICATIONS

- Glycol Natural Gas Dehydration Units
- Line Heater
- Incinerator/Combustor Units
- Gas Processing Equipment
- Vapor Recovery Units
- Low Pressure Liquid Control
- Back Pressure Regulation
- Pressure Reducing Regulation



SPECIFICATIONS

Input Voltage	10-30 VDC
Operating Pressure	0-45 psig
Maximum Pressure	0-300 psig MAWP
Communication Module	MODBUS RS-485
Input Modules	Analog 4-20mA, Discrete
Features	Proof of closure Per NFPA 87
Cv Maximum	5.6



Order Code: MXC

HOW IT WORKS

The versatile E-LO Control Valve uses an external analog or discrete signal to regulate the flow of gas or liquid in low-pressure applications.

Discrete Module: A switch in a production vessel sends a discrete on or off signal to the control board at the top of the valve. The module in the control board reads the signal and instructs the motor to drive the valve either fully open (5 seconds), allowing 100% flow into the vessel, or fully closed (2 seconds), shutting off flow into the vessel.

Analog Module: As the temperature in a production vessel varies from a set point, a temperature transducer sends a 4-20mA signal to the control board at the top of the valve. If the signal is 20mA, the module in the control board will instruct the motor to drive the valve open, allowing 100% flow into the vessel. If the transducer sends a signal of 4mA, the motor will drive the valve to its closed position, shutting off flow into the vessel. If the signal is in between, the valve will open proportionally to that input.

Remote communication with MODBUS also available.

WHO WE ARE

Kimray is a world-class manufacturer of oil and gas control equipment based in Oklahoma City, Oklahoma, USA. Trusted for generations, Kimray has been creating simple, effective products for temperature, level, flow, and pressure control since 1948.

Kimray products are known for being reliable, easy to operate, and low maintenance. Common applications include compression, gas dehydration, gas sweetening, separation, heaters, artificial lift, gas regulation skids, measurement stations and more.

Buying from Kimray is about much more than the product. The relationships between our representatives and our customers extend from before the sale through the life of the product. Those relationships, along with quality Kimray products, are the result of a company striving for excellence for our customers, our company, and our community.

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