

# LIQUID CONTROLS GROUP

DELIVERY

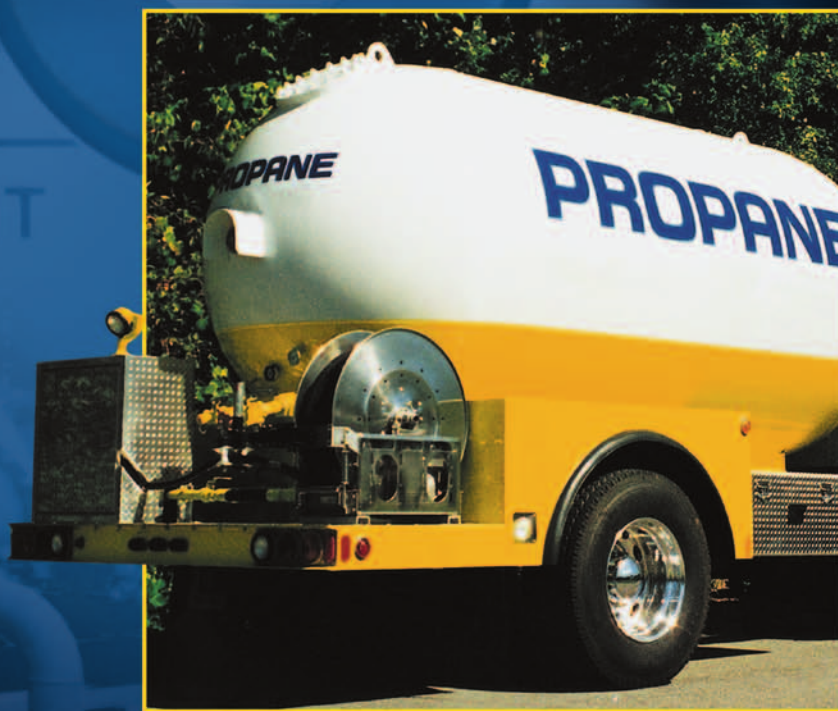
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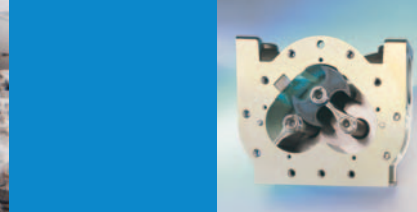
## Meters and Accessories for LPG Applications

motralec

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## The standard in LP gas measurement

### Applications

Bobtail

Transport

Bulk plant

Terminal

Motor refueling

### Industries served

Domestic heating/cooking

Agriculture

Transportation

Industrial process

and more

Liquid Controls provides the LP gas industry with metering systems that are among the most reliable and accurate in the world. Install a Liquid Controls metering system on your delivery vehicles, at your bulk terminal or in your plant, count on years of reliable, accurate performance.

#### Features and benefits

LC meters perform well with any liquid, including “dry” liquids with very low viscosity and lubricity like liquid propane gas. LC meters are exclusively designed with **no metal-to-metal contact** inside the measuring chamber. This feature minimizes wear, contributes to the meters’ accuracy and ensures long, reliable service life with significantly lower maintenance and operating costs.

LC meters’ unique construction results in **low pressure drop**, delivering superior performance with minimal demand on system pumps. LC meters are dependable in systems with older mechanical registration devices, or with the new electronic registers like LectroCount™ which provide increased efficiencies through automated data acquisition, on-site invoicing and

real-time communication capability.

At Liquid Controls’ **ISO-certified** facility in Lake Bluff, Illinois, LC meters are manufactured to last. Many LC meters, crafted with quality decades ago, are still in operation. From the beginning, they were never meant to become obsolete. That’s why Liquid Controls stands by them and is the market leader for custody transfer LPG meters.

In all applications—from transport and storage to industrial and agricultural use—Liquid Controls metering systems not only save you money, but provide you with peace of mind. That’s why you’ll want your LPG dispensing systems to include a Liquid Controls meter.

# Premier products, premier performance

**Capacity (Max. flow rate)**

30 GPM to 200 GPM  
 115 to 760 L/min

**Working pressure rating**

350 PSI  
 24 BAR

**Connections**

1½", 2", 3" NPT, BSPT or slip  
 weld companion flanges



**MA™ Series meters for trucks**

A new standard for LPG custody transfer accuracy. No metal-to-metal contact provides the longest, most reliable service in the industry. Compact, cost efficient package offers greater mounting flexibility. Accessories include vapor eliminator and strainer with 100-mesh or 200-mesh screen, diaphragm valve, choice of mechanical or electronic registration with optional temperature/volume compensation.

**Capacity (Max. flow rate)**

100 GPM to 1,000 GPM  
 380 to 3,785 L/min

**Working pressure rating**

350 PSI  
 24 BAR

**Connections**

2", 3", 4" and 6" ANSI flanges



**MSA™ Series meters for terminal applications**

Housed in a steel spherical case pressure shell rated to 350 PSI working pressure, the MSA Series features the same high-quality meter elements that are the hallmark of Liquid Controls' outstanding metering technology. Completely integrated meter accessories are available, including high capacity bulk vapor eliminators, strainers and valves.

**Features**

- Adapts to virtually all flow meters
- Compatible with LC Lap Pad or handheld computers for data entry
- Large-character display
- Weights and Measures approved



**LectroCount™ electronic registration systems**

The ideal choice for both mobile and fixed flow measurement applications. Superior to mechanical registration, LectroCount provides near-perfect metering accuracy with multi-point calibration and optional electronic temperature/volume compensation. Simple to operate electronics deliver advanced features including on-site ticket generation, improved security and audit trail and capability for real-time RF communications with your home office. Available in Class 1, Div. 2 or Class 1, Div. 1 housing.

**Features**

- Adaptable to most PD meters
- Numerical counter provides 5-digit resettable totalizers



**Mechanical registration systems**

Ideal for systems without electrical power. Preset counters are available for either single-stage or two-stage valve closure. Printers generate standard zero-count or accumulative style tickets.

**Features**

- Fast, simple—connects in line
- Testing can take place by recirculation or during actual delivery



**LPG meter proving cart**

Provides a quick and easy method for checking the accuracy of any LPG meter with a flow range of 10 to 100 GPM, regardless of manufacturer. Reference meter is calibrated and sealed, conforming to NIST standards.