



# LMI<sup>®</sup>

## Chemical Metering Pumps



TD Series



AD Series



PD Series



RTL Series



You can rely on LMI



## LMI: A History of Excellence... A Future of Innovation

### **We earn our reputation every day.**

LMI has been leading the way in the metering pump industry for over 50 years. The fact is, we have a world-renowned reputation for manufacturing the highest quality, most reliable pumps on the market. But that's just not enough. We feel a reputation this good should be earned every day.

And here's how we do it;

### **We build relationships.**

Our goal is to exceed your expectations. In order to do this, we need to fully understand the challenges, limitations and demands you experience on a daily basis. That's why we put an exceptional amount of importance on partnering with our customers – not to build business – but to build relationships.

Of course, our long history in the industry gives us a distinct advantage when it comes to mastering the technical details and varied applications required for proper water treatment – but every customer is different. And we pride ourselves on being able to anticipate your needs before they arise, and provide the right solution, every time.

### **We focus on quality.**

Now let's talk about pumps. As a pioneer in the industry, LMI actually introduced the first-ever full line of electronic metering pumps and accessories. And today, our trademark black and yellow has come to stand for quality, reliability, superior design and excellence in service.

Our wide breadth of products extends from basic metering pumps to highly sophisticated custom designs for specific customer applications. Whatever your needs, our highly-trained, knowledgeable service representatives are ready to answer any questions you may have, and find the solution that's best for you.

### **We constantly improve.**

LMI is committed to continually improving our products and processes through a quality management program based on best practices.

The fact is – the industry is constantly changing, and your needs are changing along with it. LMI is shaping the future by exploring emerging technologies and offering you the most state-of-the-art products available.

### **Our job is to make yours easier.**

With strategically located manufacturing sites and channel partner experts available around the globe, LMI is ready to help you wherever you are. Contact us today to find out how our pumps and accessories can make your job easier: [www.lmipumps.com](http://www.lmipumps.com)

We provide application expertise with extensive experience. Our global distribution will partner with you long after the sale.

## **APPLICATIONS**

- Water Treatment
- Waste Water Treatment
- Chemical Processing
- Food & Beverage
- Oil & Gas
- General Industry
- Power Generation
- Pulp & Paper
- Textiles

# We offer a full line of metering pumps:

## SOLENOID

Solenoid Actuated Diaphragm Pumps

PD Series



.002 to 2 GPH (.8 to 7.6 l/h)  
Max: 450 PSI (30.6 Bar)

Excel AD



.002 to 2 GPH (.8 to 7.6 l/h)  
Max: 250 PSI (17.2 Bar)

B Series



.001 to 7 GPH (6.1 to 26.5 l/h)  
Max: 150 PSI (10.3 Bar)

C Series



.001 to 25 GPH (4.9 to 95 l/h)  
Max: 300 PSI (20.7 Bar)

## PERISTALTIC

KML & KBL Series



.001 to 158.5 GPH (.06 to 600 l/h)  
Max: 125 PSI (8.6 Bar)

## MOTOR DRIVEN

Non Lost Motion Mechanically Actuated Diaphragm Pumps

SD Series



.12 to 127 GPH (2.6 to 435 l/h)  
Max: 175 PSI (12.1 Bar)

## INTELLIGENT CONTROL

Stepper Motor Non Lost Motion Diaphragm Pump

EXCEL XR



.006 to 53 GPH (.023 to 203 l/hr)  
Max: 175 PSI (12.0 Bar)

TD Series



.016 to 16 GPH (.061 to 60.6 l/hr)  
Max: 250 PSI (17.2 Bar)

## SPECIALIZED ELECTRONIC

Solenoid Actuated Explosion Proof Pump

E Series

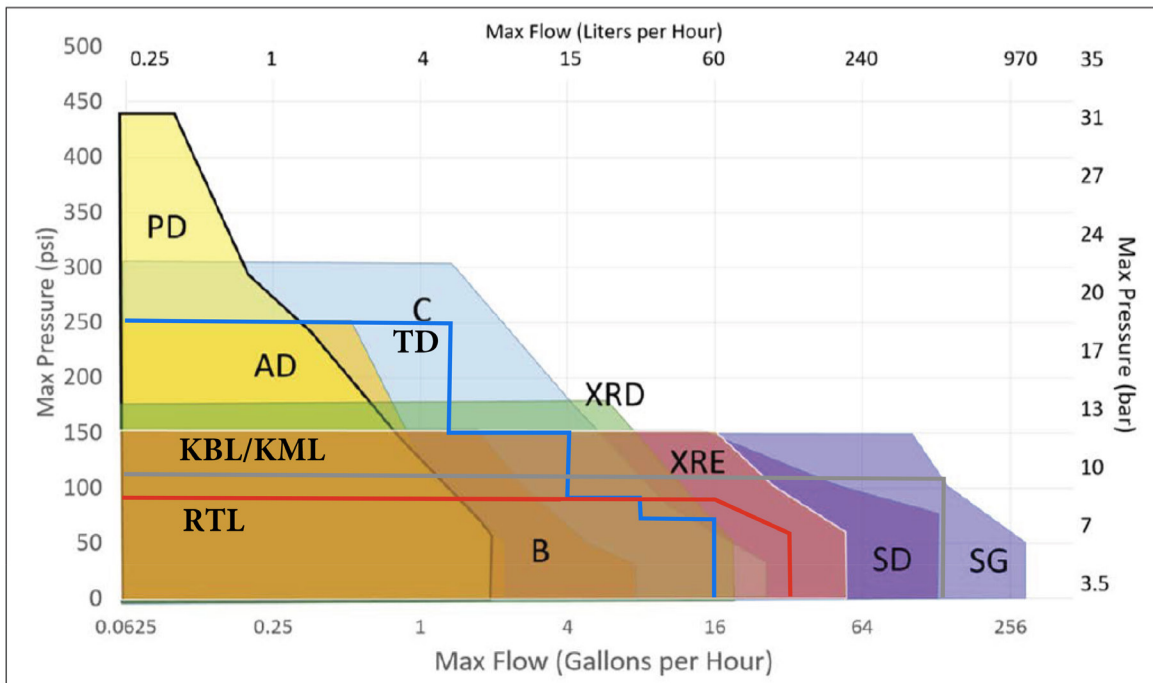


.001 to 20 GPH (4.9 to 78. l/h)  
Max: 300 PSI (20.7 Bar)

RTL Series



5.28 to 31.7 GPH (20 to 120 l/h)  
Max: 100 PSI



# METERING PUMPS - FEATURES AND BENEFITS



## TD Series Pumps

- Full SCADA integration and advanced system process control features
- FLUXDRIVE™ motor technology for enhanced control, durability, and efficiency
- Rugged construction with NEMA 4X / IP 66 housing
- Agency certifications NSF 61, ETL, CE and UKCA
- 4.3" color TFT display
- Turndown up to 1,000:1



## RTL Series Peristaltic Pumps

- World's first & only sealed AND serviceable tubing pump head
- FLUXDRIVE™ motor technology for enhanced control, durability, and efficiency
- Patented offset rotor technology for safe and simple tube maintenance
- 4.3" color display
- Agency Certifications: ETL, NSF 61, CE, UKCA
- Turndown up to 10,000:1



## KML/KBL Series Peristaltic Pumps

- Patent-pending offset rotor assembly releases tube during maintenance for safety
- No manipulation of tube while making changes minimizing pinch points
- Best-in-class user experience feature one-button switch between local and remote
- 4.33" color display
- KML features 10,000:1 turndown, NSF-61 certification, 5-year warranty
- Agency Certifications: ETL, NSF 61, CE, UKCA



## EXCEL™ AD Series Pumps

- Easy to view LCD display
- Fast Prime Liquid Ends for priming without depressurizing discharge line
- Multiple digital and analog inputs and outputs for easy remote control



## B Series and C Series Pumps

- Highly accurate / consistent dosing performance
- Remote control options for basic 4-20 mA scaling and remote start/stop operation

## SOLENOID - Value Added Integral Control



### PD Series Pumps

- 2.4" Color LCD - Intuitive navigation allows you to configure and operate with ease. View status and alerts from a distance to confirm safe operation
- External Control Inputs - Automate your process with pulse pacing, remote start/stop, and tank level indication
- Enhanced Model Features STAYPRIME™ Degassing Technology and automates the priming cycle
- Agency Certifications: ETL, NSF 61, CE, UKCA

## MOTOR DRIVEN - Higher Output and Higher Pressure Applications



### SD & SG Series Pumps (Option for Explosion Proof)

- Mechanically actuated diaphragm (MAD)  
Proven robust design
- Optional variable speed drives with remote 4-20mA input
- Durable metallic housing  
Designed to withstand corrosive environments
- Agency Certifications: ETL, NSF 61, CE, UKCA

## SPECIALIZED ELECTRONIC - Explosion-proof and Remote Requirements



### E7 Series Pumps (Explosion Proof)

- Rugged, urethane coated cast housing  
Designed for hazardous environments and outdoor use
- Manual control or external control  
Without the need for costly motor and control options
- UL, cUL Listed
- Meets or exceeds all standards for Class I, Division I, Groups C and D; Class II, Division I, Groups E, F and G.



### EXCEL XR Metering Pumps

- Advanced easy-to-use operation interface
- Remote connectivity for feedback in real-time
- Universal power supply providing maximum power flexibility
- Multi-language navigation (English, French, Spanish, Portuguese, Chinese)
- Innovative drive system with +/- 1% steady state accuracy over 1000:1 turndown ratio
- Agency Certifications: ETL, NSF 61, CE, UKC

## Making LMI pumps and Accessories work for you

### For integrators

Specifying LMI metering pumps and accessories for critical systems gives process systems integrators the best guarantee of reliability, accuracy, and performance in challenging environments.

### For operators

Consider the value of LMI reliability when making updates to your equipment. LMI offers field-proven dosing technology, a state-of-the-art technology platform, and an easy-to-use navigation system all backed by authorized industry experts to support you long after the installation.



### Liquid end assemblies

LMI offers a wide selection of liquid handling assemblies with flexible tubing and pipe thread connections as well as configurations for high viscosity chemicals to provide total flexibility in all applications.

- PVC
- Polypropylene
- PVDF
- 316 SS
- Acrylic

## Accessories

LMI's global stocking distributors are strategically located for fast delivery of pumps and accessories to maximize your system and application. Customize the installation to meet your application needs using pump accessories from LMI.

- Calibration cylinders
- Control modules
- Flow indicators
- Flowmeters
- Fluoride saturator
- Monitors
- Pulse transmitters
- Pump mounting accessories
- Tanks
- Valves
- Tubing
- and much more



## Repair and Preventative Maintenance Kits

The RPM Pro Pac™ kits are an economical solution to annual pump maintenance.

These kits are conveniently packed with easy to follow instructions to maximize pump uptime.





#### About Ingersoll Rand Inc.

Ingersoll Rand Inc. (NYSE:IR), driven by an entrepreneurial spirit and ownership mindset, is dedicated to helping make life better for our employees, customers and communities. Customers lean on us for our technology-driven excellence in mission-critical flow creation and industrial solutions across 40+ respected brands where our products and services excel in the most complex and harsh conditions. Our employees develop customers for life through their daily commitment to expertise, productivity and efficiency. For more information, visit [www.IRCO.com](http://www.IRCO.com)

LMI has provided superior equipment and industry expertise to the water treatment industry for more than 50 years.

All products are in stock for immediate delivery.

Contact your local LMI distributor today or visit us online to locate the LMI master distributor in your area.

**[Imipumps.com](http://Imipumps.com)**

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