ROYTRONIC EXCEL™

The Digital Series of LMI Chemical Metering Pumps

For more information, please call 877-742-2878 or visit www.burtprocess.com

Revolutionizing the Chemical Metering Pump Industry with Versatility & Innovation



LMI MILTON ROY

ROYTRONIC EXCEL™ Series AD Electronic Metering Pumps

LMI ROYTRONIC EXCEL™ Series AD pumps achieve a new level of innovation in solenoid-driven metering pump technology. Offering a robust design, microprocessor control options and improved electro-magnetics to meet all flow/pressure ratings, ROYTRONIC EXCEL™ Series AD chemical metering pumps will provide industry solutions for more versatile chemical injection with greater turn-down capability.

The line includes an advanced design fitting system for secure, leak-proof tubing connections. Every pump with a FastPrime™ or AutoPrime™ liquid end includes half-inch NPT connections to allow for ease of configuration.

Standard FastPrime™ liquid ends incorporate a unique design to bleed the head without depressurizing the discharge tubing. FastPrime™ liquid ends are available with a variety of material constructions to meet demanding application requirements. Optional AutoPrime™ liquid ends automatically and continuously purge entrapped air from process fluid, eliminating "vapor lock" with liquids such as Sodium Hypochlorite, even in remote installations. High Viscosity liquid ends engineered to pump your most challenging viscous fluids are also available.

Features include:

- Push button controls
- Manual knob to control stroke length
- LCD user interface
- Dual manual control
- Low level float switch connection
- Durable and lockable clear cover
- Theoretical flow rate display
- NEMA 4X/IP-65 enclosure
- Industrial grade IP-68 external signal/equipment interface
- 3 Year Warranty*

Select models include:

- Remote Start/Stop
- External control options for pulse or 4-20 mA input
- Backlit graphical display
- Selectable Alarms
- Separate pulse/4-20 mA input and output connections
- Dual low level float switch connection
- Universal voltage 95-240V
- 7 day event timer
- Bi-colored LED with external signal indication
- Pulse divide/multiply modes; batch accumulate option
- Internal/External mode indicated with a wired output
- Two Point Calibration (Flow Display)
- Advanced electronic features for pump configuration

Specifications:

Series	Strokes Per Minute (Adjustable) Min	Max	Stroke Length (Adjustable) Recommended Minimum	Average Input Power @ Max Speed and Pressure	Max. Shipping Weight
AD 2X* AD 8X* AD 9X*	1	120	20%	25 watts	10 lbs (4.75 kg)

* where X = output code

Control Code Features:

2 - Dual Manual Control
Stroke frequency and length manually adjustable, LCD display, low level indication (remote input). Display configurable to indicate theoretical pump flow.

8 - Pulse/Analog Input w/ Dual Manual Control
Pulse or 4-20 mA signal input controls frequency, LCD display, manual stroke length control, frequency manually adjustable when in local control, pulse multiply/divide functions, 24 V output for remote device. Includes dual low level float switch input. Display configurable to indicate theoretical pump flow.

9 - Pulse/Analog Input w/Dual Manual Control & Enhanced Controls
Advanced Features - Pulse or 4/20 mA signal input controls frequency, graphical display, manual stroke length control, Frequency manually adjustable when in local control, Pulse multiply/divide functions, 24 V output for remote device, dual low level float switch input, Remote on/off signal input. Outputs include: 4-20 mA, pulse, & Alarm. Remote internal/external mode input. Display configurable to indicate theoretical pump flow.

Output Code and Pressure Ratings with FastPrime™ Liquid End:

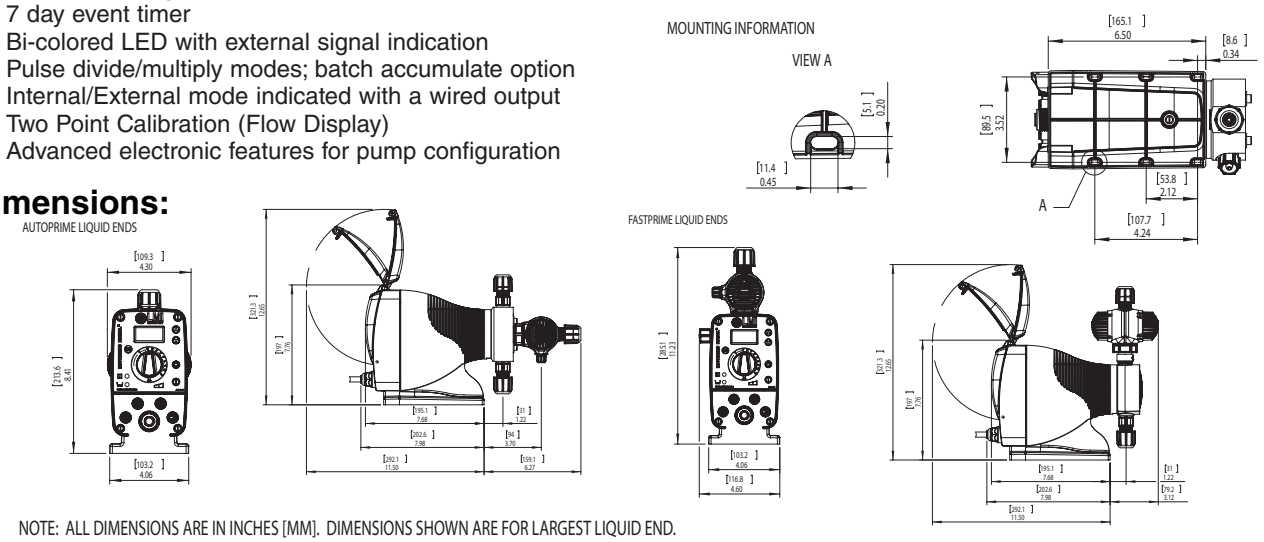
Code	Max Capacity	Max Pressure
1	- 0.21 GPH (0.8 l/h)	250 psi (17.2 Bar)
4	- 0.5 GPH (1.9 l/h)	250 psi (17.2 Bar)
5	- 1.0 GPH (3.8 l/h)	110 psi (7.6 Bar)
6	- 2.0 GPH (7.6 l/h)	50 psi (3.4 Bar)

Certifications:

Certified to NSF/ANSI 61

Certified to NSF/ANSI Standard 50

Dimensions:



NOTE: ALL DIMENSIONS ARE IN INCHES [MM]. DIMENSIONS SHOWN ARE FOR LARGEST LIQUID END. DIMENSIONS WILL VARY DEPENDING ON LIQUID END SELECTED.

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Specifications Subject to Change

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*contact your LMI distributor for details

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2042.B 2/2012