



## KML-SERIES

*Peristaltic Metering Pump / Technical Data Sheet*



### ● FEATURES

- *Tool-free tube change*
- *Improved safety - No rotating parts during tube change*
- *Easy-to-Use interface with one-button switching between local and remote mode*
- *USBC interface allows for downloading of operating history and installation of new software versions*
- *Expandable platform can be field-upgraded to add features and communication options*
- *Multiple tubing options to cover a wide range of chemicals and applications*
- *Assembled in USA*
- *Standard 5-year warranty*
- *NSF 61 Certified*

### ● OPERATING RANGE

- *Maximum flow up to 600 lph (158.5 gph) at full speed*
- *Up to 8.6 bar (125 psi)*
- *10,000:1 Turndown*
- *Up to 30 ft (9 meters) suction lift*



**LMI**<sup>®</sup>

# KML-Series

## Data Sheet



### MODEL CODE EXPLANATION

**Sample Part Number: KML2-4-ACG1-1R**

**KML - X - X - X - X - XX - X - X**

**Series**

KML

**Frame**

- 2 - Size 2
- 3 - Size 3
- 4 - Size 4

**Power Cord**

- 4 - US 115V
- 5 - US 230V
- 6 - EU
- 8 - Australia / New Zealand
- 9 - UK

**Connector**

A - 1/2" NPT / BSPT (KML2 and KML3 include 3/8" tube compression fitting)

**Tube Material**

- A - XL Extended Life
- B - CR Chemical Resistant
- C - PT Petro-Tough

**Tube Detail - ID [in] and Count**

Various Diameters

**Control Levels**

- 1 - SCADA: Speed control: 4-20 mA i/o
  - Three contact inputs
  - Four configurable relay outputs
  - Frequency
- 2 - Advanced: Modbus TCP

**Port Options**

- L - Port Right
- R - Port Left

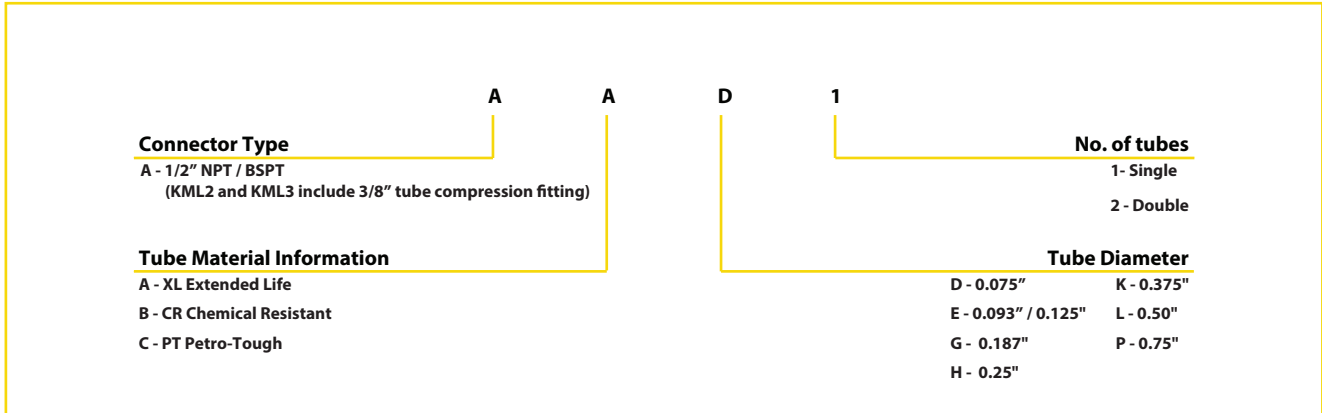
**NOTICE: All possible options are shown in the chart, however, certain combinations may not be recommended. Consult a representative or the factory if you have questions concerning availability.**



# LMI® KML-Series

## Data Sheet

### TUBE ASSEMBLY CODE EXPLANATION



### AVAILABLE TUBE ASSEMBLIES

	MATERIAL	PART #	GPH	L/H	PSI	BAR
KML2	XL	AAD1	1.7	6.5	125	8.6
		AAE2	4.4	16.8	110	7.6
		AAG2	17.1	65.1	110	7.6
	CR	ABH1	14.2	54	50	3.4
	PT	ACG1	9.3	35.2	65	4.5
		ACG2	14.9	56.7	65	4.5

	MATERIAL	PART #	GPH	L/H	PSI	BAR
KML4	XL	AAH1	28.4	108	125	8.6
		AAH2	53.7	204	100	6.9
		AAL1	99.5	378	50	3.4
		AAP1	158.5	600	30	2.1
	CR	ABK1	53.7	204	30	2.1
		ABK2	125.5	477	30	2.1
	PT	ACH1	39.5	150	65	4.5
		ACK1	55.3	210	65	4.5
		ACK2	99.5	378	65	4.5

Flow rates shown are at maximum pump speed. For best tube life, select a large tube and run the pump slowly.

	MATERIAL	PART #	GPH	L/H	PSI	BAR
KML3	XL	AAD1	2.1	7.9	125	8.6
		AAE2	4.7	18	125	8.6
		AAG2	18.9	72	110	7.6
		AAK1	33.2	126	125	8.6
	CR	ABK1	28.4	108	50	3.4
	PT	ACG1	10.1	38.4	65	4.5
		ACG2	18.2	69	65	4.5
		ACK1	28.4	108	65	4.5

### TUBE MATERIAL INFORMATION

**LMI XL - Extended Life** tubing has excellent acid and alkali resistance, and is compatible with numerous oxidizing agents such as sodium hypochlorite. LMI XL is best for fatigue life and is the longest-lasting tube in compatible applications. Min/max temperature: 0-80°C (32-176°F).

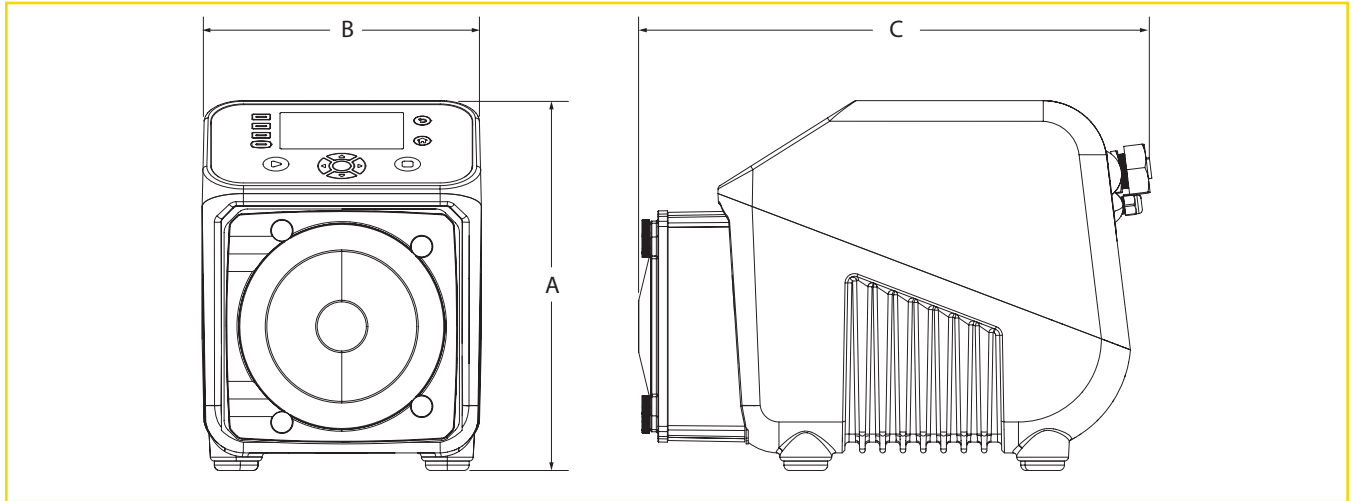
**LMI CR - Chemical Resistant** is suited for handling strong acids and bases, and is virtually unaffected by most commercial sanitizers & cleaners. Min/max temperature: 0-54°C (32-130°F).

**LMI PT - Petro-Tough** can be used with fats and oils, lubricants, and some solvents. Min/max temperature: 0-54°C (32-130°F).



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## Data Sheet




### DIMENSIONS

mm (Inch)

DIMENSION	KML2	KML3	KML4
A	246 (10.4)	246 (10.4)	363 (14.3)
B	206 (8.125)	206 (8.125)	308 (12.125)
C	361 (14.2)	361 (14.2)	455 (17.9)
Weight kg (lb)	16.1 (35.6)	16.1 (35.6)	32.6 (72)



### MATERIALS OF CONSTRUCTION

MATERIALS OF CONSTRUCTION	
ENCLOSURE	POWDER COATED ALUMINUM
PUMP HEAD	PBT THERMOPLASTIC
COVER	POLYCARBONATE
ROTOR	PBT THERMOPLASTIC
ROLLERS	NYLON
ROLLER BEARINGS	316SS
ROLLER SHAFT	316SS
MOTOR SHAFT	CHROME STEEL
COVER SCREWS	PLASTIC/316SS
TUBE CONNECTORS	PVDF



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