

Electronic dosing pump LMI series P0/P1



P0 series

- Fixed frequency: 60 or 100 spm
- Adjustable stroke length: 0 to 100%

P1 series

- Adjustable frequency: 1 to 60 or 100 spm
- Adjustable stroke length: 0 to 100%

Main technical specifications

- Mechanically actuated diaphragm electromagnetic pump
- Maximum output: 12 l/h
- Maximum pressure: 17.3 bar
- Maximum temperature of pumped chemical: 50 °C
- Self priming height: 1.5 m
- Accuracy: $\pm 2\%$ of adjusted output

Simple rugged construction

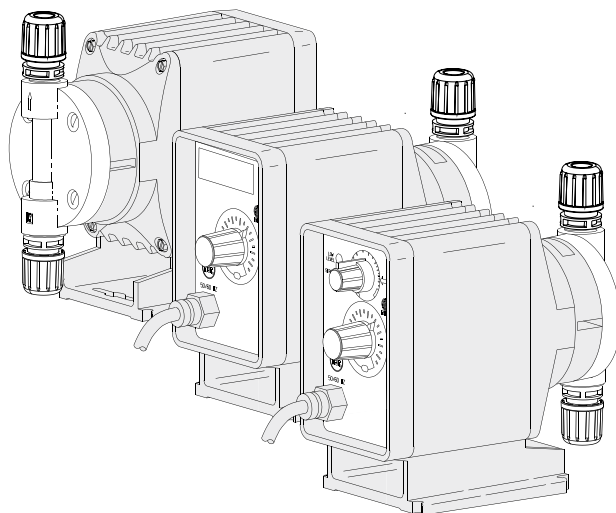
- Ideal for indoor, outdoor and OEM "in machine" applications where simplicity means increased reliability.
- Thick wall glass fiber or carbon fiber reinforced thermoplastic construction plus integrated metal-plastic structural and magnetic components result in vibration and shock resistance not ordinarily found in competitive products.
- Strong automotive type wire and electrical connectors add to its construction strength.

Unique features

- Uses LMI's unique molded long life Electromagnetic Power Unit (EPU) with electromagnetically balanced construction.
- Clog resistant injection check valves with flexible flapper nozzle are standard.
- LMI's unique 4-Function Valve or multifunction Auto-Bleed Valve are low cost options.

Wide variety of applications

- Pump head and valves in PVC, PVDF, Acrylic or 316L S.S. plus designs for high viscosity polymer.
- Ceramic balls and Aflas or PTFE seats.
- Composite pump diaphragms of the superior Fluorofilm® assure reliable and leak free operation in a wide variety of chemicals.



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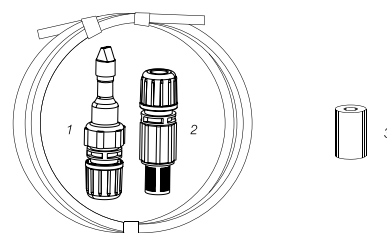
Totally enclosed corrosion resistant IP65

- O-Ring sealed corrosion resistant enclosure of glass fiber reinforced polypropylene protects the pump from harsh chemicals and tough environments.

Complete with accessories

- LMI P0 / P1 dosing pumps come complete with:
 1. Injection Check Valve,
 2. Foot Valve,
 3. Ceramic weight.
- Most models are also available with factory tubing.

ACCESSORIES



All pumps come complete with these accessories.

Specifications

Model	Output (l/h) max.	Pressure (bar) max.	Liquifram size (inch ²)	Stroke capacity (ml)		Frequency (spm) min.-max.	Liquid end body / seats material						Tubing connections	
				min.	max.		PVC/Aflas	PVDF/ Aflas	PVDF/ PTFE	Acrylic/ Aflas	316L/ PTFE ⁽¹⁾	High visc. ⁽²⁾	Inch	Metric
P02*	0.75	10.3	0.5	0.07	0.22	60	358XY	352XY	353XY	350XY	257	N-A	.250"OD	3x6 mm
P03*	1.6	7.6	0.9	0.13	0.44	60	398XY	392XY	393XY	390XY	297	N-A	.375"OD	6x8 mm
P04*	2.2	17.3	0.5	0.07	0.37	100	358XY	352XY	353XY	350XY	257	N-A	.250"OD	3x6 mm
P05*	3.8	7.6	0.9	0.13	0.63	100	398XY	392XY	393XY	390XY	297	N-A	.375"OD	6x8 mm
P06*	7.6	3.5	1.8	0.25	1.27	100	368XY	362XY	363XY	360XY	277	N-A	.375"OD	6x8 mm
P08*	12	1.5	1.8	0.40	2.00	100	368XY	362XY	363XY	360XY	277	N-A	.375"OD	6x8 mm
P12*	0.75	10.3	0.5	0.07	0.22	1-60	358XY	352XY	353XY	350XY	257	N-A	.250"OD	3x6 mm
P13*	1.6	7.6	0.9	0.13	0.44	1-60	398XY	392XY	393XY	390XY	297	N-A	.375"OD	6x8 mm
P14*	2.2	17.3	0.5	0.07	0.37	1-100	358XY	352XY	353XY	350XY	257	155HV	.250"OD	3x6 mm
P15*	3.8	7.6	0.9	0.13	0.63	1-100	398XY	392XY	393XY	390XY	297	85HV	.375"OD	6x8 mm
P16*	7.6	3.5	1.8	0.25	1.27	1-100	368XY	362XY	363XY	360XY	277	75HV	.375"OD	6x8 mm
P18*	12	1.5	1.8	0.40	2.00	1-100	368XY	362XY	363XY	360XY	277	75HV	.375"OD	6x8 mm

* When ordering, specify the voltage code by using one of the following numbers:

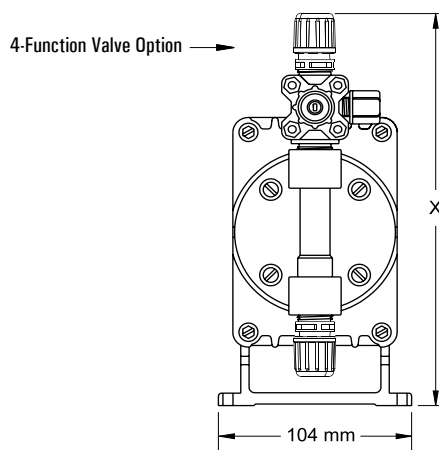
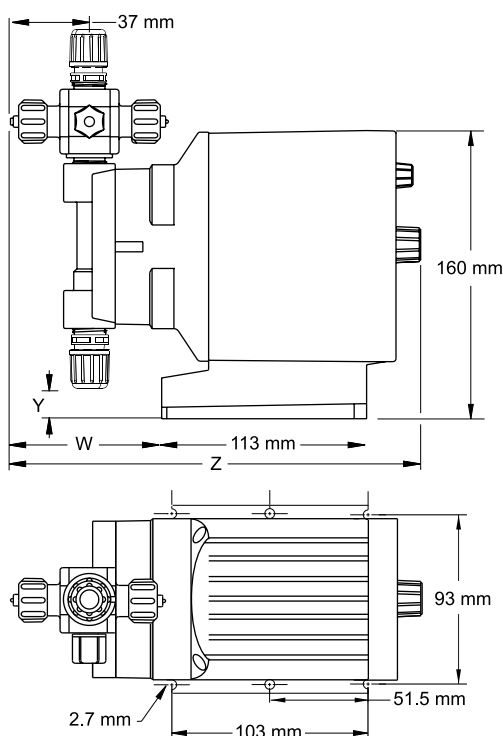
- 1 = 115 V, US plug
- 3 = 230 V, EEC plug
- 5 = 230 V, UK plug
- 7 = 230 V, CH plug
- 8 = 115 V, without plug

⁽¹⁾ 1/4" NPTm connection

⁽²⁾ .500" OD / 15x23

X	Y	Refer to liquid end chart for complete option code
	0	Pipe thread 1/2" BSP
	2	Inch tubing
	3	Metric tubing
	4	Reinforced PVC tubing 6x12
B		Bleed 4-function valve included
N		No-function valve
S		4-function valve included
T		3-function valve included

Dimensions



Dimensions	W	X	Y	Z
Pump without function valve	51	181	11	198
Pump with function valve	79	226	11	218
Pump with stainless steel head	44	171	20	191
High viscosity pump	59	205	16	206
Packing: 275 x 225 x 165 mm	Gross Weight:			3.7 kg



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www.miltonroy-europe.com



VERDER NV
Kontichsesteenweg 17
B-2630 Aartselaar
Belgium

TEL +32 3 877 11 12

FAX +32 3 877 05 75

MAIL info@verder.be

WEB www.verder.be