NEW

DOSAPRO

ROYTRONIC®

The new LMI electronic dosing pump generation

- More powerful: flow from 1 to 12.1 l/h, pressure up to 17.3 bar
- More accurate chemical dosing: stroke speed from 1 to 240 spm, combined with standard 20 to 100% stroke length range
- New liquid ends: equipped with a standard priming head or an AutoPrime™ head
- A better pumping efficiency: double ball check valve

- Safety and ergonomics:
  - IP65 enclosure,
  - on/off push button capability,
  - LED display showing when the pump is stroking,
  - low level float switch capability,
  - lockable clear cover...
- External modes extension:
  (industrial watertight IP68 electrical connections)
  - pulse input control capability,
  - 4-20 mA input control capability,
  - remote on/off...

And always...

More material combinations for greater pump flexibility and application robustness

ติดต่อบริษัท นีโอนิคส์ จำกัด
Tel: 02-077-7602 หรือ 061-8268939
E-mail: sale@neonics.co.th เว็บไซต์ www.neonics.biz

Electronic dosing pump
LMI ROYTRONIC® series P+ - FastPrime™

DOSAPRO

P+0 series

- Fixed frequency: 120 or 240 spm
- Adjustable stroke length: 20 to 100%

P+1 series

- Adjustable frequency: 1 to 120 or 240 spm
- Adjustable stroke length: 20 to 100%

P+7 series

- Adjustable frequency: 1 to 120 or 240 spm
- Adjustable stroke length: 20 to 100%
- External control by pulses
- Stop by low level detector

P+8 series

- Adjustable frequency: 1 to 120 or 240 spm
- Adjustable stroke length: 20 to 100%
- External control by 4-20 mA signal
- Stop by low level detector

Main technical specifications

- Mechanically actuated diaphragm electromagnetic pump
- Maximum output: 12.1 l/h
- Maximum pressure: 17.3 bar
- Maximum temperature of pumped chemical: 50 °C
- Self priming height: 1.5 m
- Accuracy: ± 2% of adjusted output

Simple rugged construction

- Thick wall IXEF reinforced thermoplastic construction plus integrated metal-plastic structural and magnetic components resulting in vibration and shock resistance not ordinarily found in competitive products.
- Strong automotive type wiring and electrical connectors add to its construction strength.

Unique features

- The new FastPrime™ liquid ends are equipped with a bleed port.
- Clog resistant injection check valves with flexible flapper nozzle are standard.
- Stroke indicator light flashes when the pump is stroking.
- The P+7 and P+8 series allow an optional low-level float switch which connects to a new low-level connector (3-Pin) and low-level indicator light, warning when chemical level is low.

ROYTRONIC® electronic dosing pumps equipped with FastPrime™ liquid end

Wide variety of applications

- Pump heads in PVC, PVDF, PP or Acrylic and valves (ceramic or PTFE balls, Aflas® or PTFE seats) assure reliable and leak free operation in a wide variety of chemicals.
- Composite pump diaphragms are in superior Fluorofilm™.
- Better pumping efficiency due to double ball check valve.
- More material combinations for greater pump flexibility and application robustness.

Totally enclosed corrosion resistant IP65

- O-Ring sealed corrosion resistant enclosure protects the pump from harsh chemicals.
- A clear cover protects control panel from weather and chemical splashes.
- The external control connections are industrial watertight M12 (IP68).

Accessories

- The ROYTRONIC® are supplied with:
  1. Injection check valve,
  2. Foot valve,
  3. Ceramic weight,
  4. 2 m bleed tubing.
  5. The P+7 and P+8 series are delivered with an external control cable (2 m).

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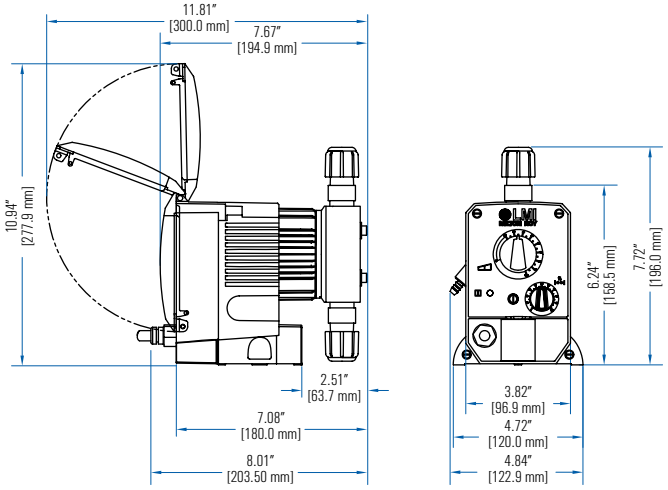
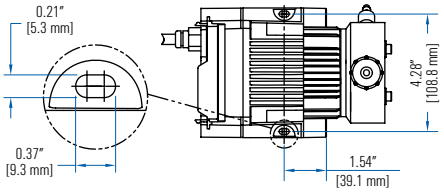
Specifications

Model	Output (l/h) max.	Pressure (bar) max.	Diaphragm size (inch²)	Stroke capacity (ml)		Frequency (spm)	Liquid end body material Seat material						Tubing connections		
				min.	max.	min. - max.	Acrylic Aflas®	PVDF Aflas®	PVDF PTFE	PP PTFE	PVC Aflas®	Acrylic Aflas®	LDPE Inch	LDPE Metric	Reinforced PVC
							Ceramic balls					PTFE balls			
P+01*	0.9	17.3	0.2	0.03	0.13	120	910NX	812NX	813NX	915NX	818NX	919NX	.250"OD	3x6 mm	6x12 mm
P+04*	1.9	17.3	0.2	0.03	0.13	240	910NX	812NX	813NX	915NX	818NX	919NX	.250"OD	3x6 mm	6x12 mm
P+05*	3.8	7.6	0.4	0.05	0.26	240	920NX	822NX	823NX	925NX	828NX	929NX	.375"OD	6x8 mm	6x12 mm
P+06*	7.6	3.4	0.8	0.11	0.53	240	930NX	832NX	833NX	935NX	838NX	939NX	.375"OD	6x8 mm	6x12 mm
P+08*	12.1	1.5	0.8	0.17	0.84	240	930NX	832NX	833NX	935NX	838NX	939NX	.375"OD	6x8 mm	6x12 mm
P+11*	0.9	17.3	0.2	0.03	0.13	1-120	910NX	812NX	813NX	915NX	818NX	919NX	.250"OD	3x6 mm	6x12 mm
P+14*	1.9	17.3	0.2	0.03	0.13	1-240	910NX	812NX	813NX	915NX	818NX	919NX	.250"OD	3x6 mm	6x12 mm
P+15*	3.8	7.6	0.4	0.05	0.26	1-240	920NX	822NX	823NX	925NX	828NX	929NX	.375"OD	6x8 mm	6x12 mm
P+16*	7.6	3.4	0.8	0.11	0.53	1-240	930NX	832NX	833NX	935NX	838NX	939NX	.375"OD	6x8 mm	6x12 mm
P+18*	12.1	1.5	0.8	0.17	0.84	1-240	930NX	832NX	833NX	935NX	838NX	939NX	.375"OD	6x8 mm	6x12 mm
P+71*	0.9	17.3	0.2	0.03	0.13	1-120	910NX	812NX	813NX	915NX	818NX	919NX	.250"OD	3x6 mm	6x12 mm
P+74*	1.9	17.3	0.2	0.03	0.13	1-240	910NX	812NX	813NX	915NX	818NX	919NX	.250"OD	3x6 mm	6x12 mm
P+75*	3.8	7.6	0.4	0.05	0.26	1-240	920NX	822NX	823NX	925NX	828NX	929NX	.375"OD	6x8 mm	6x12 mm
P+76*	7.6	3.4	0.8	0.11	0.53	1-240	930NX	832NX	833NX	935NX	838NX	939NX	.375"OD	6x8 mm	6x12 mm
P+78*	12.1	1.5	0.8	0.17	0.84	1-240	930NX	832NX	833NX	935NX	838NX	939NX	.375"OD	6x8 mm	6x12 mm
P+81*	0.9	17.3	0.2	0.03	0.13	1-120	910NX	812NX	813NX	915NX	818NX	919NX	.250"OD	3x6 mm	6x12 mm
P+84*	1.9	17.3	0.2	0.03	0.13	1-240	910NX	812NX	813NX	915NX	818NX	919NX	.250"OD	3x6 mm	6x12 mm
P+85*	3.8	7.6	0.4	0.05	0.26	1-240	920NX	822NX	823NX	925NX	828NX	929NX	.375"OD	6x8 mm	6x12 mm
P+86*	7.6	3.4	0.8	0.11	0.53	1-240	930NX	832NX	833NX	935NX	838NX	939NX	.375"OD	6x8 mm	6x12 mm
P+88*	12.1	1.5	0.8	0.17	0.84	1-240	930NX	832NX	833NX	935NX	838NX	939NX	.375"OD	6x8 mm	6x12 mm

* When ordering, specify the voltage code by using one of the following numbers:
3 – 230 V, EEC plug
5 – 230 V, UK plug
8 – 115 V, without plug

Dimensions





The general dimensions are given as an indication only.
The dimensions given correspond to the maximum dimensions.

Weight and packing

Version	Net weight (*) kg	Gross weight (*) kg	Packing (mm) (L x W x H)
ROYTRONIC® - FastPrime™	3.60	4.85	280 x 260 x 240

(*) Approximately

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