



LPP-M2-S Metering pump



Features

- Only the hose is in contact with the medium
- Self-priming, 95% of full vacuum
- Reversible rotation system
- Will never vapour lock or lose prime
- Patented tube leak detect hose prime
- Fully occluded, no backward flow
- No valves - no clogging
- Dry run capability
- Variable speed motor
- Exact flow per revolution or respective of the pipeline pressure
- Accurate metering throughout the whole adjustment range
- Remote start/stop feature
- Automatic identification of motor voltage
- Available with flow verification sensor
- Digital touchpad adjustment - precise and reliable
- Display: VGA backlit LCD, UV resistant
- Display languages: English, German, Spanish, French
- Security: Programmable 4-digit password
- Removable screwdown termination blocks

Materials of Construction

Primary pump wetted components:

Pump tube elements	Norprene® (for chemicals) or Tygothane® (for oils and fats) or Tygon lined Norprene® (acids). Adapter fittings: PVDF
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Accessories wetted components:

Suction tubing	Clear PVC
Suction strainer	Natural polypropylene
Discharge tubing	Natural Polyethylene (LLDPE)
Injection fitting with check valve	Body & insert: PVDF

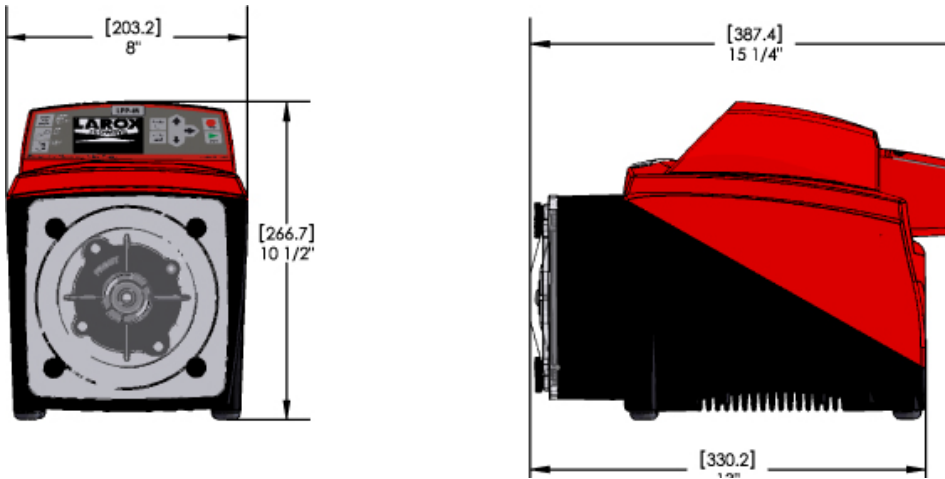
Non-wetted components:

Pump head	Thermoplastic
Housing	Powder coated aluminium
Pump head cover	Clear acrylic, annealed
Cover screws	300 SS, polypropylene caps
Roller assembly	Rotor: Valox® (PBT) Rollers: Nylon Roller bearings: enclosed stainless steel ball bearing
Motor shaft	Chrome plated steel
Leak detector pins	Hastelloy C-276

Technical data

Weight/Shipping weight	13.9 kg / 15 kg
Maximum Flow	126 l/h
Maximum working pressure	8.6 bar
Maximum suction lift	9 m water, 0.1 bar (Abs)
Maximum viscosity	12 000 centipoise
Motor installed power	0.22 kW
Remote adjustment	4-20mA, 0-10 VDC or pulse
Feedbacks	4-20mA, pulse and 4 alarm contacts
Voltage (max amp)	Automatic identification: 96-264VAC 50/60Hz (2 amp)
Maximum ambient Temp.	-10° to 45° C
Accuracy	+/- 0.5%
Repeatability	+/- 0.5%
Maximum fluid temperature	55° C
Output Speed control range	1-100% in 0.1% increment 0.04-1% in 0.01% increment
Enclosure	IP66
Plug type	250V, AC, CEE7/VII (Europe)

DIMENSIONS:



MODEL NUMBER MATRIX:

LPP-M-2-S

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Maximum motor RPM:
2 = 125 RPM

Power cord plug type:
4=125 V AC , NEMA 5/15 (US)
5=230 V AC, NEMA 6/15 (US)
6=250 V AC, NEMA 7/VII (Europe)

Options:

FVS = flow verification sensor
X = other auxiliaries

Pump tube sizer, material and identifier

N075 = 1,9 mm Norprene, ND
N250 = 6,4 mm Norprene, NH
N312 = 7,9 mm Norprene, NJ
N375 = 9,5 mm Norprene, NK
NL250 = 6,4 mm Norprene, NKL
NL375 = 9,5mm Norprene, NKL
G125 = 3,2 mm Tygothane, GE
G187 = 4,7 mm Tygothane, GG
G250 = 6,4 mm Tygothane, GH
T250 = 6,4 mm Tygon lined Norprene, TH
T375 = 9,5 mm Tygon lined Norprene, TK
F093 = 2,3 mm Flexaprene, FE
F187 = 4,7 mm Flexaprene, FE

MAXIMUM FLOW RATE AND PRESSURE CAPABILITIES:

Tube number	Tubing material	Bar	Liters per hour
N075	Norprene	8,6	7,8
N250	Norprene	8,6	66
N312	Norprene	8,6	96
N375	Norprene	8,6	126
NL250	Norprene Low Pressure	4,5	66
NL375	Norprene Low Pressure	2	126
G125	Tygothane	4,5	17,4
G187	Tygothane	4,5	38,4
G250	Tygothane	4,5	94,2
T250	Tygon lined Norprene	3,5	55,1
T375	Tygon lined Norprene	3,5	108
F093	Flexaprene	7,6	18
F187	Flexaprene	7,6	72



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