

LPP-M3 Metering Pumps

TECHNICAL DATA SHEET



Features

- Manual pump speed control
- Tube Failure Detection (TFD)
- Prime Button
- Rotor Reverse
- Tube life timer
- Output: 6 amp relay
- Input: contact closure (remote start/stop)
- Displays % motor speed and RPM
- Flow verification sensor compatible
- Color LCD (RGB multicolor)
- Output adjustment: 2500:1 (.05 to 125 RPM)
- Control wiring terminations
- Overcurrent Protection with alarm
- Inputs (fully configurable): 4-20 mA, 0-10 VDC, pulsed, contact closure (remote start/stop)
- Outputs (fully configurable): 4-20 mA, pulsed, 6 amp relay, Multiple contact closures
- Automated parts per million dosing
- Batch dispensing
- Repeating time cycle
- Displays (color): % motor speed, RPM, output Volume, alarm screens, incoming signal value, etc.

Technical Data

Weight/Shipping weight	24,8kg / 26,3 kg
Maximum Flow	600 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	0,35 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 (2amp)
Maximum ambient Temp.	-10° to 45° C
Accuracy	+/- 0.5%
Repeatability	+/- 0.5%
Maximum fluid temperature	54° 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 (EUR)

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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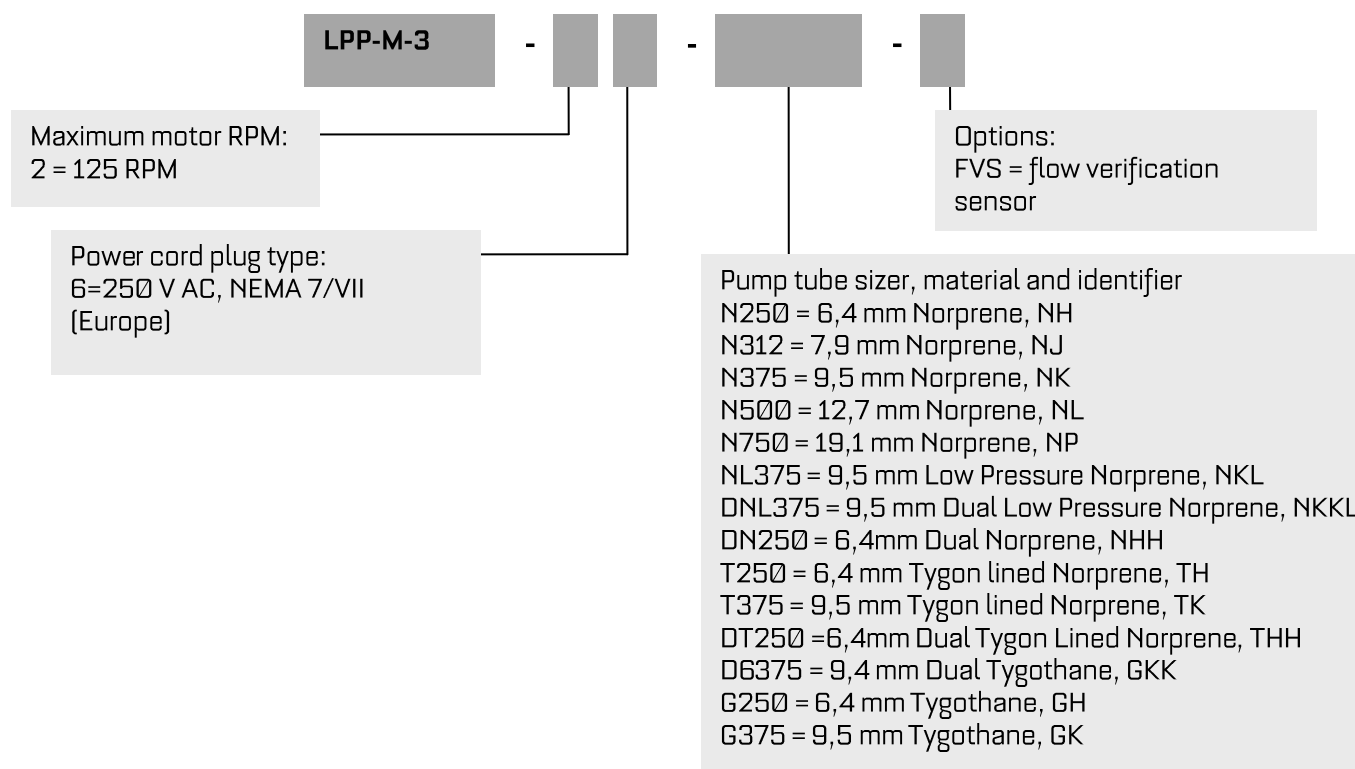
Accessories wetted components:

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 aluminum
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

MODEL NUMBER MATRIX:



MAXIMUM FLOW RATE AND PRESSURE CAPABILITIES:

125 RPM Models			
Tube number	Tubing material	Bar	Liters per hour
N250	Norprene	8,6	108
N312	Norprene	6,9	168
N375	Norprene	5,5	192
N500	Norprene	3,4	378
N750	Norprene	2,1	600
NL375	Low Pressure Norprene	2,1	192
DNL375	Dual Low Pressure Norprene	2,1	420
DN250	Dual Norprene	6,9	204
T250	Tygon lined Norprene	2,1	78
T375	Tygon lined Norprene	2,1	162
DT250	Dual Tygon Lined Norprene	2,1	192
D6375	Dual Tygothane	4,5	378
G250	Tygothane	4,5	150
G375	Tygothane	4,5	210

