



# LPP-M3 Metering Pumps



## Features

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

## Materials of Constuction

### 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

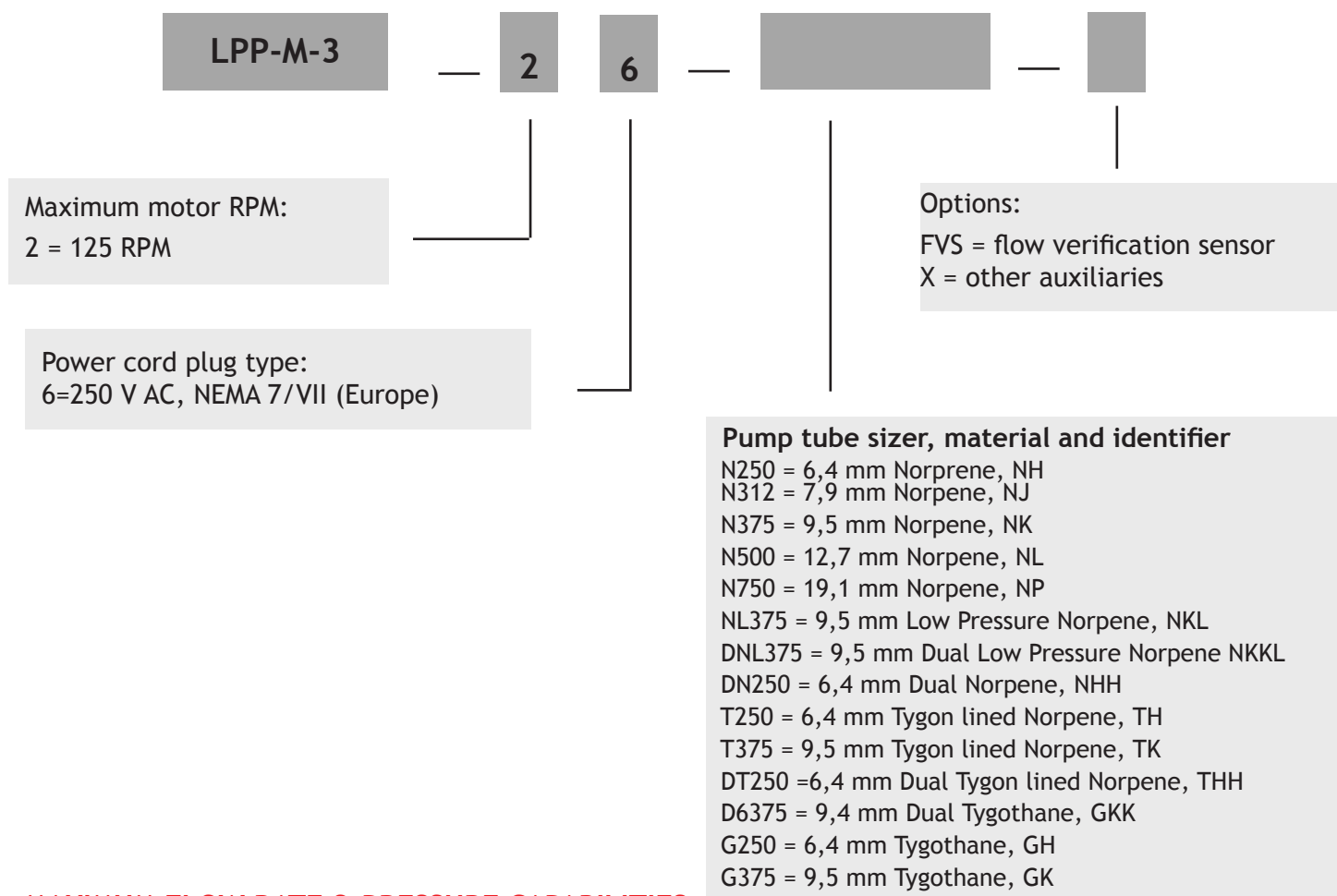
### Non-wetted components:

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

## Technical data

Weight/Shipping weight	24.8kg / 26.3kg
Maximum Flow	600 l/h
Maximum working pressure	8.6 bar
Maxium 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 (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)

## MODEL NUMBER MATRIX:



## MAXIMUM FLOW RATE & 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



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