

LPP-M3 Metering Pumps

TECHNICAL DATA SHEET



DIMENSIONS

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 (0.05 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.

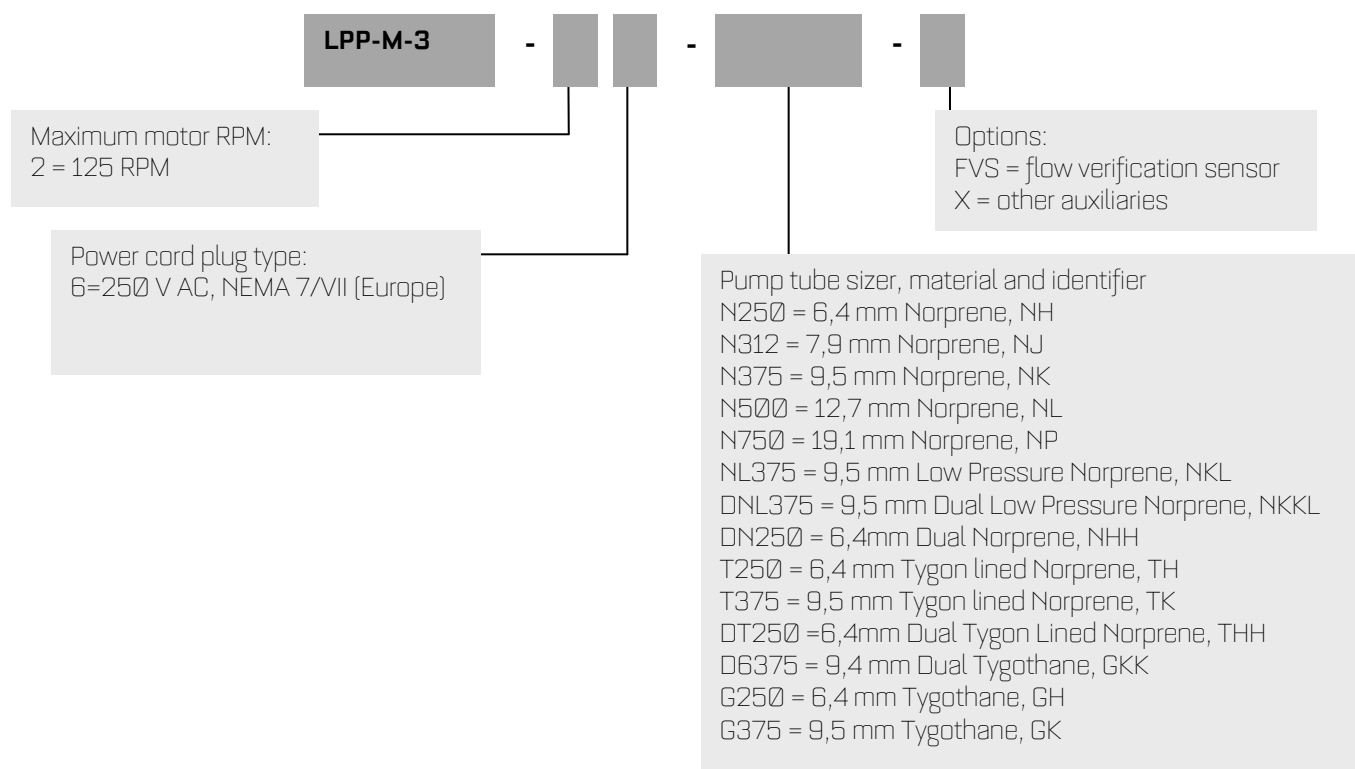
Technical Data

| | |
|----------------------------|--|
| 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 contact |
| 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 |
| 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 |

