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Flexi*Pump* Pro

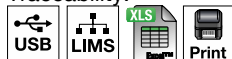### Peristaltic pump for liquid distribution

Ref. 562 000

In compliance with:

ISO 7218 | **FDA BAM** Bacteriological Analytical Manual

Traceability:

USB | **LIMS** | **XLS** ExcelPro | **Print**

Manufacture:

RoHS 2002/95/EC | **WEEE** 2002/96/EC | CE | UK CA | MADE IN FRANCE

Flexi*Pump* Pro is a high-precision peristaltic dosing pump for distribution culture media, agar and all types of diluent, from 50 µL to 99 L. Compact and ergonomic, it features an intuitive interface. Data traceability is assured via USB printout and connections.

OVERVIEW

- 304 L stainless steel casing
- Handy gun compatible
- Traceability (computer, printer, USB stick)
- Double-head pump for high accuracy and high flow

SPECIFICATION

- Volume dispensed in dose and multi-dose mode: 50 µL to 99 L
- Typical accuracy from inner diameter 3.2 mm tubings
  9 mL   : ± 0.9%
  18 mL   : ± 0.5%
  225 mL   : ± 0.4%
- Dispensing modes: Continuous - Dose – multi-dose
- 32 customizable programs
- Pause time in Multidose mode: adjustable from 0.1 to 99.9 s
- Number of dispensing for 9 mL tubes: 40 x 9 mL tubes in 1 min (in multi-dose mode with a delay of 0.1 s under optimal conditions)
- Number of dispensing for 18 mL plates: 29 x 18 mL plates in 1 min (in multi-dose mode with a delay of 0.1 s under optimal conditions)
- Number of dispensing for 220 mL sample bags: 8 distributions of 220 mL in 1 min (in multi-dose mode with a delay of 0.1 s under optimal conditions)
- Number of pumps: Low pulsation double pump head
- Flow rates: 3 mL/min to 2.5 L/min
- Pump head rotating speed: 10 to 550 rpm
- Tubing material: Tygon™ (for pump head) and silicone
- Connections: 3.5 mm jack, 2 x USB type A, USB type B

- Voltage - Frequencies: 100-240 V ~ 50-60 Hz
- Fuses: T 2.5 A L 250 V 5x20 mm
- Power: 60 W
- International protection marking: IP31

- Warranty: 1 year
- Spare parts availability: 10 years

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- Designed and manufactured in France
- In compliance with ISO 7218, ISO 6887 and FDA BAM (Bacteriological Analytical Manual) standards
- CE, UKCA, RoHS, WEEE manufacturing
- Suitable for use in accordance with Good Laboratory Practice (GLP)

TRACEABILITY

- Data type: Operator name, dispensing mode accuracy, last calibration, date, time, speed, inner tubings diameter
- Links: USB type A (printer, USB stick), USB type B (computer)
- Data export: CSV file compatible with Excel™, Open Office Calc™, LIMS

WEIGHTS AND DIMENSIONS

FlexiPump Pro	• Dimensions (w x d x h) • Net weight • Gross weight	16.1 x 33.2 x 20.8 cm 5.55 kg 8.45 kg
FlexiPump Pro + Dispensing gun (ref. 561 001)	• Dimensions (w x d x h) • Net weight • Gross weight	19.4 x 33.5 x 20.8 cm 5.70 kg 8.60 kg
FlexiPump Pro + Adjustable distribution arm (ref. 561 002)	• Dimensions (w x d x Hh) • Net weight • Gross weight	40.8 x 39.1 x 43.4 cm 6.10 kg 9.10 kg
Packaging	• Dimensions (w x d x h)	50 x 40 x 40 cm

DELIVERED WITH

- 2 peristaltic pump heads
- 1 set of 3.2 mm dispensing assembly (nozzle + GL45 bottle connector + filter + tubing + tube weight)
- 1 set of 6.4 mm dispensing assembly (nozzle + GL45 bottle connector + filter + tubing + tube weight)
- 1 user's manual
- 1 power cord
- 1 USB cable
- 1 free pack of blender bags
- 1 conformity certificate / warranty card

ACCESSORIES

- **Ref. 410 130** **Film for printer:** Thermal transfer film
- **Ref. 410 150** **Printer:** Thermal printer (RS 232 and USB outputs). Delivered with 1 thermal transfer film + 1 power cord + 1 USB cable
- **Ref. 413 002** **2 L bottles (GL45):** Set of 3 GL45 glass bottles (2 L), autoclavable
- **Ref. 507 008** **Foot pedal:** For hands-free dispensing. Connection with a 3.5 mm jack.
- **Ref. 513 001** **5 L bottle (GL45):** GL45 glass bottle (5L), autoclavable
- **Ref. 513 015** **Independent stand for broth bags:** Independent stand for 2 broth bags
- **Ref. 521 012** **Sticker for printer:** Set of 2 rolls of 1000 stickers for thermal printer - Label size: 70 x 45 mm
- **Ref. 521 110** **Paper for printer:** Set of 2 thermal paper rolls for printer
- **Ref. 561 001** **Handy gun:** Dispensing control with handy gun including electronic start button
- **Ref. 561 002** **Adjustable distribution arm:** To fill various containers

TUBINGS

- **Ref. 413 028** **Tube weights (Ø 3 mm):** Set of 5 tube weights (Ø 3 mm)
- **Ref. 513 011** **Tubings for pump (Ø 4.8 mm):** Set of 6 Tygon™ tubings for pump part (20 cm). Inner Ø 4.8 mm
- **Ref. 513 020** **Trocar:** Stainless steel trocar + cap for broth bags
- **Ref. 513 023** **PTFE filters 0.2 µm (Ø 25 mm):** Set of 5 autoclavable PTFE filters (0.2 µm) for GL45 bottle
- **Ref. 513 024** **Nozzles (tubings Ø 4.8 - 8 mm):** Set of 5 PEEK nozzles + caps for tubings from 4.8 to 8 mm inner diameter
- **Ref. 513 039** **Tube weights (Ø 6 mm):** Set of 5 PTFE tube weights - Ø 6 mm
- **Ref. 513 040** **Nozzles (tubings Ø 1.6 - 3.2 mm):** Set of 5 PEEK nozzles + caps for tubings from 1.6 to 3.2 mm inner diameter

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- **Ref. 513 048**   **Cap (Ø 1.6 - 3.2 mm):** Set of 5 protections for nozzles (tubings Ø 1.6 - 3.2 mm) or trocar
- **Ref. 513 049**   **Cap (Ø 4.8 - 8 mm):** Set of 5 protections for nozzles (tubings Ø 4.8 - 8 mm) or trocar
- **Ref. 513 052**   **Tubings for pump Steriwater (Ø 6.4 mm):** Set of 2 Tygon™ tubings for pump part (50 cm) + 2 filters 0.2 µm. Inner Ø 6.4 mm
- **Ref. 561 301**   **Tubings for pump (Ø 1.6 mm):** Set of 6 Tygon™ tubings for pump part (20 cm). Inner Ø 1.6 mm
- **Ref. 561 302**   **Tubings for pump (Ø 3.2 mm):** Pack of 6 Tygon™ tubings for pump part (20 cm). Inner Ø 3.2 mm
- **Ref. 561 304**   **Tubings for pump (Ø 6.4 mm):** Set of 6 Tygon™ tubings for pump part (20 cm). Inner Ø 6.4 mm
- **Ref. 561 305**   **Tubings for pump (Ø 8 mm):** Set of 6 Tygon™ tubings for pump part (20 cm). Inner Ø 8 mm
- **Ref. 561 401**   **Autoclavable GL45 stopper + 0.2 µm filter:** Autoclavable stopper for GL45 neck bottles + 0.2 µm filter
- **Ref. 562 051**   **Dispensing assembly + Y Steriwater (GL45 - Ø 6.4 mm):** Set of silicone tubings Inner Ø 6.4 mm + GL45 screw cap + filter + tube weight + nozzle + cap + "Y" + 2 0.2 µm filters - Compatible with FlexiPump Pro / Scale
- **Ref. 562 101**   **Dispensing assembly + Y (GL45 - Ø 1.6 mm):** Set of silicone tubings, inner Ø 1.6 mm + GL45 screw cap + tube weight + nozzle + cap + filter + "Y"
- **Ref. 562 102**   **Dispensing assembly + Y (GL45 - Ø 3.2 mm):** Set of silicone tubings, inner Ø 3.2 mm + GL45 screw cap + tube weight + nozzle + cap + filter + "Y"
- **Ref. 562 103**   **Dispensing assembly + Y (GL45 - Ø 4.8 mm):** Set of silicone tubings, inner Ø 4.8 mm + GL45 screw cap + tube weight + nozzle + cap + filter + "Y"
- **Ref. 562 104**   **Dispensing assembly + Y (GL45 - Ø 6.4 mm):** Set of silicone tubings, inner Ø 6.4 mm + GL45 screw cap + tube weight + nozzle + cap + filter + "Y"
- **Ref. 562 105**   **Dispensing assembly + Y (GL45 - Ø 8 mm):** Set of silicone tubings, inner Ø 8 mm + GL45 screw cap + tube weight + nozzle +cap + filter + "Y"
- **Ref. 562 201**   **Tubings + Y (Ø 1.6 mm):** Set of 5 dispensing tubings (silicone tubings + Tygon™ tubings + "Y" connectors). Inner Ø 1.6 mm
- **Ref. 562 202**   **Tubings + Y (Ø 3.2 mm):** Set of 5 dispensing tubings (silicone tubings + Tygon™ tubings + "Y" connectors). Inner Ø 3.2 mm
- **Ref. 562 203**   **Tubings + Y (Ø 4.8 mm):** Set of 5 dispensing tubings (silicone tubings + Tygon™ tubings + "Y" connectors). Inner Ø 4.8 mm
- **Ref. 562 204**   **Tubings + Y (Ø 6.4 mm):** Set of 5 dispensing tubings (silicone tubings + Tygon™ tubings + "Y" connectors). Inner Ø 6.4 mm
- **Ref. 562 205**   **Tubings + Y (Ø 8 mm):** Set of 5 dispensing tubings (silicone tubings + Tygon™ tubings) + «Y» plastic connectors). Inner Ø 8 mm
- **Ref. 562 400**   **Y connectors (Ø 1.6 mm tubings):** Set of 6 "Y" plastic connectors for Ø 1.6 mm tubings
- **Ref. 562 401**   **Y connectors (Ø 6.4 - 8 mm tubings):** Set of 6 "Y" plastic connectors for Ø 6.4 and 8 mm tubings
- **Ref. 562 402**   **Y connectors (Ø 3.2 mm tubings):** Set of 6 "Y" plastic connectors for Ø 3.2 mm tubings
- **Ref. 562 403**   **Y connectors (Ø 4.8 mm tubings):** Set of 6 "Y" plastic connectors for Ø 4.8 mm tubings

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