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FlexiPump® Scale

Peristaltic pump for liquid distribution
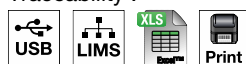
Ref. 563 000

Certification:

| ISO 7218 | FDA BAM Bacteriological Analytical Manual |

Traceability :

USB | LIMS | XLS | Print

Manufacture :

RoHS 2002/95/EC | WEEE 2002/96/EC | CE | UKCA | MADE IN FRANCE

FlexiPump® Scale is a liquid dispenser that combines the power of a peristaltic pump with the precision of an integrated weighing platform. **FlexiPump® Scale** pushes the boundaries to meet the most demanding laboratory requirements. **FlexiPump® Scale** is a complete, agile solution for a wide range of distributions.

OVERVIEW

- All stainless steel 304 L body
- Higher control with handy gun
- Traceability (computer, printer, USB key)
- High-precision, high-flow double-head pump
- Integrated weighing platform
- Autocalibration with customizable frequency (Patented)
- Compatible with Jumbo pack for large volume distribution

DISTRIBUTION

- Volume dispensed in Dose or Multidose mode: 50 µL to 99 L
- Dispensing volume in Dose on scale: 1 mL to 6.5 L
- Weighing range: 0.1 to 6500 g
- Weighing resolution up to 200 g: 0.01 g
- Weighing accuracy:
  0 to 100 g   = ± 0.05 g
  100 to 6500 g   = ± 0.05 %
- Typical accuracy with tubings inner Ø 3.2 mm
  9 mL   : ± 0.9%
  18 mL   : ± 0.5%
  225 mL   : ± 0.4%
- Precision range in scale dispensing mode :
  - 0 to 1% in Accurate mode
  - 0 to 2% in Fast or Normal mode (measured for each distribution)
- Distribution modes:
  - Continuous
  - Doses with or without autocalibration
  - Multidose with or without autocalibration
  - Dose on scale
- 32 customizable programs
- Pause time in Multidose mode: adjustable from 0.1 to 99.9 s
- Number of distributions for 9 mL tubes: 40 x 9 mL tubes in 1 min (in Multidose mode with 0.1 s delay in optimal conditions)
- Number of distributions for 18 mL plates: 29 plates of 18 mL in 1 min (in Multidose mode with 0.1 s delay in optimal conditions)

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- Number of distributions for 220 mL sample bags: 8 distributions of 220 mL in 1 min (in Multidose mode with 0.1 s delay in optimal conditions)
- Watson Marlow™ slow-pulse double pump with 6 rollers
- Flow rate: 6 mL/min to 5 L/min (using Jumbo pack)
- Speed: 10 to 550 rpm
- Tubings materials: Tygon™ (for pump head) and silicone

SPECIFICATIONS

- Connections: 2 x USB type A, USB type B, 3.5 mm jack, socket for weighing platform
- Supply voltage and frequency: 100-240 V ~ 50-60 Hz
- Power: 70 W
- Fuses: T 2.5 A L 250 V 5x20 mm
- IP: 31

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

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

TRACEABILITY

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

WEIGHTS AND DIMENSIONS

FlexiPump® Scale + Weighing platform: Ø 17 x 5.4 cm	• Dimensions (W x D x H) • Net weight • Gross weight	: 16.1 x 33.2 x 20.8 cm : 7.5 kg : 11.26 kg
FlexiPump® Scale + Weighing platform: Ø 17 x 5.4 cm + Dispensing gun (ref. 561 001)	• Dimensions (W x D x H) • Net weight • Gross weight	: 19.4 x 33.5 x 20.8 cm : 7.65 kg : 11.41 kg
FlexiPump® Scale + Weighing platform: Ø 17 x 5.4 cm + Adjustable dispensing arm (ref. 561 002)	• Dimensions (W x D x H) • Net weight • Gross weight	: 40.8 x 39.1 x 43.4 cm : 8.05 kg : 11.91 kg
Boxing	• Dimensions (W x D x H)	: 50 x 40 x 40 cm

DELIVERED WITH

- 2 Watson Marlow™ peristaltic pump heads
- 1 weighing platform
- 1 3.2 mm dispensing assembly (nozzle + cap + GL45 bottle connector + filter + tubings + tube weight)
- 1 6.4 mm dispensing assembly (nozzle + cap + GL45 bottle connector + filter + tubings + tube weight)
- 1 power cord
- 1 user manual
- 1 USB cable
- 1 free pack of blender bags
- 1 certificate of conformity / warranty card

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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 + 1power cord + 1 USB cable
- **Ref. 413 002** **2 L bottles (GL45):** Set of 3 GL45 glass bottles (GL45), autoclavable
- **Ref. 507 008** **Foot pedal:** for easy distribution (3.5 mm jack input)
- **Ref. 511 000** **Booster kit:** Dispensing accelerator + 2 silicone tubings for pump (20 cm each) inner Ø 6.4 mm + 2 «Y»
- **Ref. 513 001** **5 L bottle (GL45):** GL45 glass bottle (5 L), autoclavable
- **Ref. 513 015** **Independent stand for broth bags:** Independent stand for 2 broth bags
- **Ref. 521 012** **Labels for printer:** Set of 2 rolls of stickers for thermal printer - Label size: 70 x 45 mm
- **Ref. 521 110** **Paper for printer:** Set of 2 rolls for thermal printer
- **Ref. 561 001** **Handy gun:** Dispending control by handy gun with electronic button to start distribution
- **Ref. 561 002** **Adjustable dispensing arm:** To fill various containers
- **Ref. 563 350** **BagOpen 3500 for peristaltic pumps (stainless steel):** Stainless steel bag opener for 3500 mL bags + Geckogrip. Compatible with FlexiPump Scale.

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 0.2 µm PTFE filters (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
- 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. 513 052 Tubings for pump Steriwater (Ø 6.4 mm): Set of 2 Tygon™ tubings for pump part (50 cm) + 2 0.2 µm filters, 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): Set 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 plug + tube weight + strainer + 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

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- Ref. 562 205   Tubings + Y (Ø 8 mm): Set of 5 dispensing tubings (silicone tubings + Tygon™ tubings + "Y" 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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