

FlexiPump Scale

Peristaltic pump for liquid distribution

Ref. 563 000



Certification:



Traceability :



Manufacture :



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

- 304 L stainless steel casing
- Compatible with handy gun
- Traceability (computer, printer, USB stick)
- Double-head pump for high accuracy and high flow
- Integrated weighing platform
- Autocalibration with customizable frequency (Patented)
- Compatible with Jumbo pack for large volume distribution

SPECIFICATION

- Volume dispensed in dose or multi-dose mode: 50 μ L to 99 L
- Volume dispensed in dose on scale mode: 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 = \pm 0.05 g
 - 100 to 6500 g = \pm 0.05 %
- Typical accuracy with tubings inner \varnothing 3.2 mm
 - 9 mL : \pm 0.9%
 - 18 mL : \pm 0.5%
 - 225 mL : \pm 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 dispensing)
- Distribution modes:
 - Continuous
 - Doses with or without autocalibration
 - Multi-dose with or without autocalibration
 - Dose on scale
- 32 customizable programs
- Multi-dose pause: adjustable from 0.1 to 99.9 s
- Number of dispensings for 9 mL tubes: 40 x 9 mL tubes in 1 min (in multi-dose mode with 0.1 s delay in optimal conditions)

- Number of dispensings for 18 mL plates: 29 x 18 mL plates in 1 min (in multi-dose mode with 0.1 s delay in optimal conditions)
- Number of dispensings for 220 mL sample bags: 8 distributions of 220 mL in 1 min (in multi-dose mode with 0.1 s delay in optimal conditions)
- Number of pumps: Low pulsation double pump head
- Flow rates: 6 mL/min to 5 L/min (using Jumbo pack)
- Speed: 10 to 550 rpm
- Tubings materials: Tygon™ (for pump head) and silicone
- 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
- International protection marking: IP31
- 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

- Data type: Operator name, target weight, measured weight, dispensing mode accuracy, last calibration, date, time, speed, Ø tubing
- 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 Scale + Weighing platform: Ø 17 x 5.4 cm	<ul style="list-style-type: none"> • Dimensions (w x d x h) : 16.1 x 33.2 x 20.8 cm • Net weight : 7.5 kg • Gross weight : 11.26 kg
FlexiPump Scale + Weighing platform: Ø 17 x 5.4 cm + Dispensing gun (ref. 561 001)	<ul style="list-style-type: none"> • Dimensions (w x d x h) : 19.4 x 33.5 x 20.8 cm • Net weight : 7.65 kg • Gross weight : 11.41 kg
FlexiPump Scale + Weighing platform: Ø 17 x 5.4 cm + Adjustable dispensing arm (ref. 561 002)	<ul style="list-style-type: none"> • Dimensions (w x d x h) : 40.8 x 39.1 x 43.4 cm • Net weight : 8.05 kg • Gross weight : 11.91 kg
Boxing	<ul style="list-style-type: none"> • Dimensions (w x d x h) : 50 x 40 x 40 cm

DELIVERED WITH

- 2 peristaltic pump heads
- 1 weighing platform
- 1 x 3.2 mm dispensing assembly (nozzle + GL45 screw cap + filter + tubing + tube weight)
- 1 x 6.4 mm dispensing assembly (nozzle + GL45 screw cap + 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 (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: Dispensing 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 + Geckgrip. 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. 513 049 Cap (Ø 4.8 - 8 mm): Set of 5 protections for nozzles (tubings Ø 4.8 - 8 mm)
- 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

- 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