

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

- 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 = 0.1%
- 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)

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- 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)
- 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
- Speed: 10 to 550 rpm
- Tubings materials: Tygon™ (for pump head) and silicone

SPECIFICATIONS

- Supply voltage and frequency: 100-240V ~ 50-60Hz
- Fuses: T 2.5A L 250V 5x20 mm
- Max power: 50 W
- 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

- Connections: 2 x USB type A, USB type B, 3.5 mm jack, socket for weighing platform
- Data type: Operator name, dispensing mode accuracy, last calibration, date, time, speed, inner tubings 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	<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 Watson Marlow™ peristaltic pump heads
- 1 weighing platform
- 1 3.2 mm dispensing assembly (nozzle + GL45 bottle connector + filter + tubings + tube weight)
- 1 6.4 mm dispensing assembly (nozzle + 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

ACCESSORIES

- Ref. 410 130 Printer film : Thermal transfer film
- Ref. 410 150 Printer : Thermal printer (RS 232 and USB outputs). Supplied with 1 thermal transfer film + power cord + USB cable
- Ref. 413 002 2 L bottles (GL45): Set of 3 2 L glass bottles with GL45 neck, 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): 5L glass bottle with GL45 neck, autoclavable
- Ref. 513 015 Independent stand for broth bags: Independent stand for 2 broth bags
- Ref. 521 012 Printer labels: Pack of 2 rolls of self-adhesive labels for thermal printers
Label size: 70 x 45 mm
- Ref. 521 110 Printer paper: Set of 2 paper rolls for thermal printers
- Ref. 561 001 Handy gun: Gun with electronic knob for higher control during distribution
- Ref. 561 002 Adjustable dispensing arm: For filling different 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 Pump tubings (Ø 4.8 mm): Set of 6 Tygon™ tubings for pump part (20 cm) inner Ø 4.8 mm
- Ref. 513 020 Trocar: trocar for broth bags
- Ref. 513 023 0.2 µm PTFE filters (Ø 25 mm): Set of 5 autoclavable filters (0.2 µm) for GL45 bottle
- Ref. 513 024 Dispensing nozzles (Ø 4.8 - 8 mm tubings): Set of 5 PEEK dispensing nozzles for tubings with inner Ø 4.8 to 8 mm
- Ref. 513 039 Tube weights (Ø 6 mm): Set of 5 PTFE tube weights - Ø 6 mm
- Ref. 513 040 Dispensing nozzles (Ø 1.6 - 3.2 mm tubings): Set of 5 PEEK dispensing nozzles + caps for tubings with inner Ø 1.6 to 3.2 mm
- Ref. 513 048 Cap (Ø 1.6 - 3.2 mm): Set of 5 protectors for dispensing nozzles (Ø 1.6 - 3.2 mm tubings) or trocar
- Ref. 513 052 Steriwater tubings for pump (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 Pump tubings (Ø 1.6 mm): Set of 6 Tygon™ tubings for pump parts (20 cm) inner Ø 1.6 mm
- Ref. 561 302 Pump tubings (Ø 3.2 mm): Set of 6 Tygon™ tubings for pump parts (20 cm) inner Ø 3.2 mm
- Ref. 561 304 Pump tubings (Ø 6.4 mm): Set of 6 Tygon™ tubings for pump parts (20 cm) inner Ø 6.4 mm
- Ref. 561 305 Pump tubings (Ø 8 mm): Set of 6 Tygon™ tubings for pump part (20 cm) inner Ø 8 mm
- Ref. 561 401 GL45 autoclavable stopper + 0.2 µm filter: Autoclavable stopper for GL45 neck bottles + 0.2 µm filter
- Ref. 562 051 Steriwater + Y dispensing assembly (GL45 - Ø 6.4 mm): Set of silicone tubings inner Ø 6.4 mm + GL45 plug + tube weight + strainer + nozzle + "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 + 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 + 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 + 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 + 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 + filter + «Y»
- Ref. 562 201 Tubings + Y (Ø 1.6 mm): 5 sets of distribution tubings (silicone tubings + Tygon™ tubings + plastic "Y" connectors) - inner Ø 1.6 mm
- Ref. 562 202 Tubings + Y (Ø 3.2 mm): 5 sets of distribution tubings (silicone tubings + Tygon™ tubings + plastic "Y" connectors) - inner Ø 3.2 mm
- Ref. 562 203 Tubings + Y (Ø 4.8 mm): 5 sets of distribution tubings (silicone tubings + Tygon™ tubings + plastic "Y" connectors) - inner Ø 4.8 mm

- Ref. 562 204 Tubings + Y (Ø 6.4 mm): 5 sets of distribution tubings (silicone tubings + Tygon™ tubings + plastic "Y" connectors) - inner Ø 6.4 mm
- Ref. 562 205 Tubings + Y (Ø 8 mm): 5 sets of distribution tubings (silicone tubings + Tygon™ tubings + plastic "Y" connectors) - inner Ø 8 mm
- Ref. 562 400 Y connectors (Ø 1.6 mm tubings): Set of 6 plastic "Y" connectors for Ø 1.6 mm tubings
- Ref. 562 401 Y connectors (Ø 6.4 - 8 mm tubings): Set of 6 plastic "Y" connectors for Ø 6.4 and 8 mm tubings
- Ref. 562 402 Y connectors (Ø 3.2 mm tubings): Set of 6 plastic "Y" connectors for Ø 3.2 mm tubings
- Ref. 562 403 Y connectors (Ø 4.8 mm tubings): Set of 6 plastic "Y" connectors for Ø 4.8 mm tubings