

FlexiPump


Dispensing pumps for liquid dispensing

Speed and precision in every drop




interscience

FlexiPump is a range of peristaltic pumps for liquid dispensing. It adapts to all your needs, from media preparation to sample preparation. **By saving time, you can efficiently dispense all types of liquids**, even syrupy ones.

 **x 40**
in 1 min⁽¹⁾

 **x 29**
in 1 min⁽¹⁾

 **x 8**
in 1 min⁽¹⁾



Distribution accuracy and reproducibility

- **Accuracy** up to 0.5%
- **Reproducible results** over long dosing distributions
- In compliance with ISO 6887 and ISO 7218 standards

PATENTED

Integrated **scale** ⁽²⁾

FlexiPump Scale combines the power of a peristaltic pump with the precision of a weighing platform:

- **Integrated weighing platform** connected to the unit
- **Dose on scale** mode
- **Autocalibration with customizable frequency** during your dispensing series

Simplified distribution

- **Cross-contamination-free** liquid transfer
- **Compact** on the bench or under the PSM
- Fully autoclavable dispensing set with bottle
- Anti-drip system

Applications

- **Distribution:** Dilution tubes, bottles, jars, flasks, filter bags, sampling bags, ...
- **Pouring of Petri dishes**



Food



Veterinary



Pharmaceutical



Environmental



Public research



Cosmetics

⁽¹⁾ With **FlexiPump Scale** in multi-dose mode with a delay of 0.1 s in optimal conditions.



FlexiPump
Essential
functions



FlexiPump Pro
High-performance
dispensing



FlexiPump scale
Integrated
weighing platform

Flexibility and adaptability

The pumps that fits all your dispensing needs



4 dispensing modes

Continuous
Dose
Multi-dose
Dose on scale⁽²⁾



Wide range of volumes

Dispense from 50 μ L to 99 L
in all types of containers
(plates, tubes, bottles,
filter bags, sampling bags)

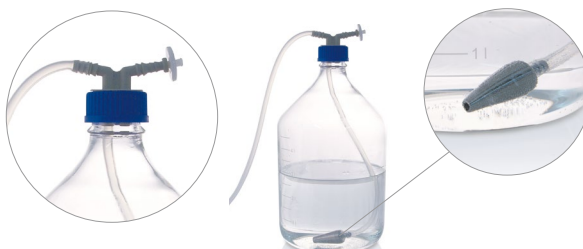


3 dispensing options

Handy gun - ref. 561 001

Adjustable dispensing arm
ref. 561 002

Foot pedal - ref. 507 008



Jumbo Pack

Flow rates of up to 6L/min

BagOpen 3500 (inox) - ref. 563 350

Adjustable distribution system
ref. 561 002

Dispensing assembly + Y
(GL45 - Ø 6,4 mm) - 2x ref. 562 104

Booster kit - 2x ref. 511 000



**Tubings
guide**

Wide range of tubings

From Ø 1.6 to 8 mm to adapt
flow/accuracy to all your
applications.



Traceability

All distribution parameters
are traceable.

Printer⁽³⁾ - ref. 410 150

⁽²⁾ Only available on **FlexiPump Scale**

⁽³⁾ Not available on **FlexiPump**

Technical specifications

| | FlexiPump | FlexiPump Pro | FlexiPump scale |
|--|--|--|--|
| Reference | 561 000 | 562 000 | 563 000 |
| OVERVIEW | | | |
| All stainless steel 304 L | ✓ | ✓ | ✓ |
| Handy gun compatible | ✓ | ✓ | ✓ |
| Traceability (printer, PC, USB stick) | - | ✓ | ✓ |
| Double-head pump for high accuracy and high flow | - | ✓ | ✓ |
| Integrated weighing platform | - | - | ✓ |
| Autocalibration with customizable frequency (PATENTED) | - | - | ✓ |
| Jumbo pack compatible | - | - | ✓ |
| SPECIFICATIONS | | | |
| Volume dispensed in dose and multi-dose mode | 50 µL 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: ± 0.05 g / 100 to 6500 g: 0.1 % |
| Typical dispensing accuracy with inner Ø 3.2 mm tubing | 9 mL: ± 1.8% - 18 mL: ± 1% - 225 mL: ± 0.5% | 9 mL: ± 0.9% - 18 mL: ± 0.5% - 225 mL: ± 0.4% | |
| Accuracy range in dose on scale mode | - | | 0 to 1% in accurate mode 0 to 2% in fast and normal modes (measured for each dispensing) |
| Dispensing modes | Continuous - Dose - Multi-dose | | Continuous - Dose with/without autocalibration - Multi-dose with/without autocalibration - Dose on scale |
| Number of customizable programs | 32 | | |
| Multi-dose pause | Adjustable from 0.1 to 99.9 s | | |
| Watson Marlow™ pump | Single pump head | Low pulsation double pump head | |
| Flow rates | 1.5 mL/min to 1.25 L/min | 3 mL/min to 2.5 L/min | 6 mL/min to 6 L/min ⁽⁴⁾ |
| Pump head rotating speed | 10 to 550 rpm | | |
| Tubing material | Tygon™ (for pump head) and silicon | | |
| Connections | Jack 3.5 mm | 2 x USB type A, USB type B, 3.5 mm jack | 2 x USB type A, USB type B, 3.5 mm jack, weighing platform socket |
| Voltage - Frequencies | 100-240 V~ 50-60 Hz | | |
| Warranty | 1 year | | |
| Spare parts availability | 10 years | | |
| In compliance with | ISO 7218, ISO 6887 and FDA BAM (Bacteriological Analytical Manual) | | |
| TRACEABILITY | | | |
| Traceability | - | Operator name, dispensing mode accuracy, last calibration, date, time, speed, Ø tubing | 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 (PC) | USB type A (printer, USB stick) USB type B (PC) |
| Data export | - | Compatible CSV Excel™, Open Office Calc™, LIMS | |
| WEIGHT AND DIMENSIONS | | | |
| Dimensions (w x d x h) | 16.1 x 27.3 x 20.8 cm | 16.1 x 33.2 x 20.8 cm | 16.1 x 33.2 x 20.8 cm + Weighing platform: Ø 17 cm x 5.4 cm |
| Net weight | 5.40 kg | 5.55 kg | 7.50 kg |
| Box dimensions (w x d x h) | 50 x 40 x 40 cm | | |
| Gross weight | 8.20 kg | 8.45 kg | 11.26 kg |

Delivered with 1 or 2⁽³⁾ Watson Marlow™ peristaltic pump heads, 1 weighing platform⁽³⁾, 1 x 3.2 mm dispensing set (nozzle + GL45 screw cap + filter + tubing + tube weight), 1 x 6.4 mm dispensing set⁽³⁾, 1 user manual, 1 power cord, 1 USB cable⁽³⁾, 1 free pack of blender bags, 1 certificate of conformity / warranty card.

(3) not available on FlexiPump (4) with Jumbo pack (5) Only available on FlexiPump Scale

Certified
production



Product made for
INTERSCIENCE by Interlab,
an ISO 9001 certified company.

Your local distributor

interscience

PARIS

Phone: +33 (0)1 34 62 62 61 - Email: info@interscience.com

FRANKFURT

Phone: +49 611 7238 7770 - Email: sales.germany@interscience.com

BOSTON

Phone: +1 781 937 0007 - Email: sales.usa@intersciencelab.com

SHANGHAI

Phone: +86 (0)21-64739390 - Email: sales.china@interscience.cn

SINGAPORE

Phone: +65 6977 7232 - Email: sales.asia@interscience.com

TOKYO

Phone: +81 3 6712 9715 - Email: sales.japan@interscience.com