

# 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<sup>(1)</sup>

 **x 29**  
in 1 min<sup>(1)</sup>

 **x 8**  
in 1 min<sup>(1)</sup>



## 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 <sup>(2)</sup>

**FlexiPump® Scale** combines the power of a peristaltic pump with the precision of an 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<sup>(2)</sup>



## Wide range of volumes

Dispense from 50 µL 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

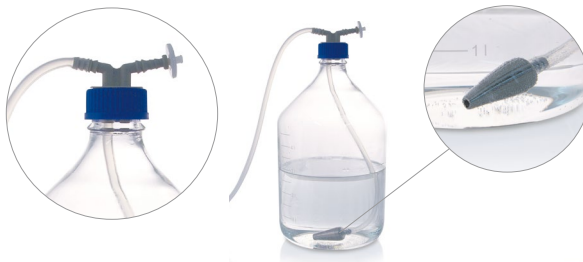
Flow rates of up to 5L/min

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 3.2 to 8 mm to adapt  
flow/accuracy to all your  
applications.



## Traceability

All distribution parameters  
are traceable.

Printer<sup>(3)</sup> - 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
<b>OVERVIEW</b>			
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	-	-	✓
<b>SPECIFICATIONS</b>			
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 5 L/min <sup>(4)</sup>
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)		
<b>TRACEABILITY</b>			
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	
<b>WEIGHT AND DIMENSIONS</b>			
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<sup>(3)</sup> Watson Marlow™ peristaltic pump heads, 1 weighing platform, 1 x 3.2 mm dispensing set (nozzle + GL45 screw cap + filter + tubing + tube weight), 1 x 6.4 mm dispensing set<sup>(3)</sup>, 1 user manual, 1 power cord, 1 USB cable<sup>(3)</sup>, 1 free pack of blender bags, 1 certificate of conformity / warranty card.

(3) not available on FlexiPump® (4) with Jumbo pack

**Certified production**



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

Your local distributor

**interscience**

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