

FlexiPump®

Dispensing pump for culture media preparation

zeller GmbH

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Now dispensing is easy



Fast liquid dispensing

FlexiPump® is a range of peristaltic pumps for culture media preparation. Use it for **serial dispensing of culture media** (e.g.: 9mL in tube), **agar** (e.g.: 18mL in Petri) or **any liquid diluant** (e.g.: 90 mL or 225 mL in bottle or blender bag). Compact, it has an intuitive interface and great ergonomics. Its speed and precision guarantee efficiency in your sample preparation.

FlexiPump® is available in 2 models:

- **FlexiPump®** with the essential functions
- **FlexiPump® Pro** for high-performance dispensing

Designed for microbiologists

- Select from 3 dispensing modes:
 - Continuous
 - Dose (predetermined volume)
 - Multi-dose (predetermined volume, with a pause between each dose)
- 32 pre-set programs with the digital control screen
- Rotating button for easy navigation and program settings
- Compact: only 16 cm wide

Precise flow control

- Up to 1% precision
- Dispenses liquid from 50 µL to 99 L
- Contamination free: dispensing assembly is entirely autoclavable with bottle
- In compliance with ISO 6887-1 and ISO 7218 standards
- Anti drop system

Easy calibration

- Step-by-step instructions on screen
- Calibration possible with chosen volume
- Can be done quickly by anyone in the lab



Maintenance free

- High quality Watson Marlow™ pump heads
- Powerful stepping motor with no wearing parts
- Heavy duty polycarbonate top shell and durable stainless steel



Handy gun (option)

- Improved dispensing control with the handy gun and electronic start button
- Smart magnetic holder for the handy gun
- 3 positions for easy dispensing. Hold it as:
 - a pen for dispensing in tubes
 - a mouse for dispensing in Petri dishes
 - a gun for dispensing in large containers

Accessories & technical specifications



Handy gun

For high precision work and comfortable tube handling.

Ref 561 001



Adjustable dispensing arm

For dispensing in any type of container.

Ref 561 002



Foot pedal

For hand-free operation. Connection with a Jack 3.5 mm.

Ref 507 008



PetriPile® 90

Ensure safe handling, transport and storing. Up to 36 Petri dishes. Also available in 55, 65 and 150 mm.

Ref 241 090



Thermal printer* RS232

Prints dispensing and calibration data (time, date, operator's name). (paper 521 110 - sticker 521 012)

Ref 521 000



Independant double bag stand

For easy storage of 2.5 L ready-to-use broth bags.

Ref 513 015



Trocar for broth bags



Allows to connect easily the broth bags to the tubing.

Ref 513 020

*Only available on **FlexiPump® Pro**

FlexiPump® is delivered with 1 high quality peristaltic Watson Marlow™ pump head, 1 dispensing assembly (nozzle + GL 45 bottle connector + filter + tubing + tube weight) with Silicone (Tygon™ and Versilic™) tubing: 3.2 mm internal diameter, user's manual, power cord, free sterile pack of BagPage® and BagFilter® filter bags.

FlexiPump® Pro is delivered with 2 high quality peristaltic Watson Marlow™ pump heads, 2 dispensing assemblies (nozzle + GL 45 bottle connector + filter + tubing + tube weight + "Y" connector) with Silicone (Tygon™ and Versilic™) tubing: 3.2 mm and 6.4 mm internal diameter, user's manual, power cord, USB cable, free sterile pack of BagPage® and BagFilter® filter bags.

| |  FlexiPump® |  FlexiPump® Pro |
|--|--|--|
| Reference | 561 000 | 562 000 |
| Dose volume | 50 µL to 99 L | |
| Watson Marlow™ pump | Single pump head | Low pulsation double pump head |
| Typical precision with 3.2 mm ID tube | 9 mL: 1.8 % - 18 mL: 1 % - 225 mL: 0.5 % | 9 mL: 0.9 % - 18 mL: 0.5 % - 225 mL: 0.4 % |
| Delivered with (tubing inner diameter) | 3.2 mm dispensing assemblies | 3.2 mm and 6.4 mm dispensing assemblies |
| Flow rates | 1.5 mL/min. to 1.25 L/min. | 3 mL/min. to 2.5 L/min. |
| Traceability | 3.5 mm jack | USB, RS 232 connectors, 3.5 mm jack |
| Rotation per minute | 10 to 550 rpm | |
| Tubing inner diameter | From 1 to 8 mm only | |
| Tubing wall thickness | 1.6 mm only | |
| Tubings made from | Tygon™ for pump head and Versilic™ | |
| Dimensions (H x W x D) | 21 x 16 x 27 mm | 21 x 16 x 33 mm |
| Weight | 5.5 kg | 5.8 kg |
| Input voltage | 100-240 V~ 50-60 Hz | |
| Inner diameter of optional tubings | 1.6 mm, 3.2 mm, 4.8 mm, 6.4 mm, 8 mm | |
| All stainless steel | ✓ | |
| Made in France | ✓ | |

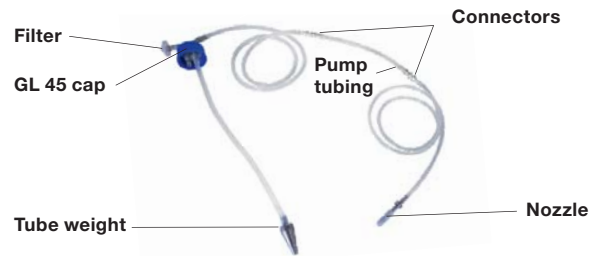


Tubing details

FlexiPump®

Complete dispensing assembly

| | | |
|-------------|--|------|
| Ref 561 101 | Dispensing assembly inner ø 1.6 mm | By 1 |
| Ref 561 102 | Dispensing assembly inner ø 3.2 mm | By 1 |
| Ref 561 103 | Dispensing assembly inner ø 4.8 mm | By 1 |
| Ref 561 104 | Dispensing assembly inner ø 6.4 mm | By 1 |
| Ref 561 105 | Dispensing assembly inner ø 8 mm | By 1 |



Silicone tubing

| | | |
|-------------|--------------------------------------|------|
| Ref 561 201 | Silicone tubing inner ø 1.6 mm | By 5 |
| Ref 561 202 | Silicone tubing inner ø 3.2 mm | By 5 |
| Ref 561 203 | Silicone tubing inner ø 4.8 mm | By 5 |
| Ref 561 204 | Silicone tubing inner ø 6.4 mm | By 5 |
| Ref 561 205 | Silicone tubing inner ø 8 mm | By 5 |



Silicone tubes for pump head

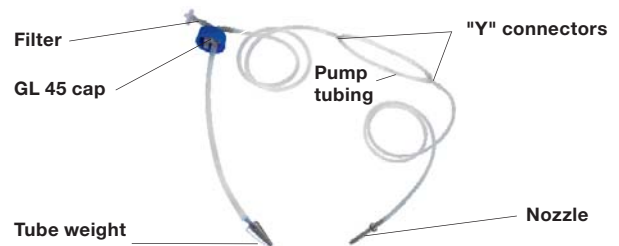
| | | |
|-------------|--|------|
| Ref 561 301 | Silicone tubes for pump inner ø 1.6 mm | By 5 |
| Ref 561 302 | Silicone tubes for pump inner ø 3.2 mm | By 5 |
| Ref 513 011 | Silicone tubes for pump inner ø 4.8 mm | By 5 |
| Ref 561 304 | Silicone tubes for pump inner ø 6.4 mm | By 5 |
| Ref 561 305 | Silicone tubes for pump inner ø 8 mm | By 5 |



FlexiPump® Pro

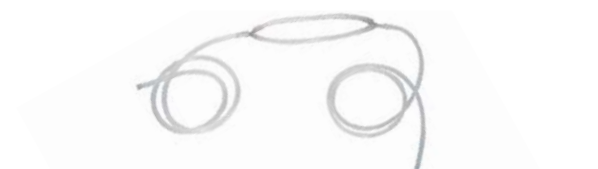
Complete dispensing assembly

| | | |
|-------------|--|------|
| Ref 562 101 | Dispensing assembly inner ø 1.6 mm + "Y" connectors..... | By 1 |
| Ref 562 102 | Dispensing assembly inner ø 3.2 mm + "Y" connectors..... | By 1 |
| Ref 562 103 | Dispensing assembly inner ø 4.8 mm + "Y" connectors..... | By 1 |
| Ref 562 104 | Dispensing assembly inner ø 6.4 mm + "Y" connectors..... | By 1 |
| Ref 562 105 | Dispensing assembly inner ø 8 mm + "Y" connectors..... | By 1 |



Silicone tubing + "Y" connectors

| | | |
|-------------|--|------|
| Ref 562 201 | Silicone tubing inner ø 1.6 mm + "Y" connectors..... | By 5 |
| Ref 562 202 | Silicone tubing inner ø 3.2 mm + "Y" connectors..... | By 5 |
| Ref 562 203 | Silicone tubing inner ø 4.8 mm + "Y" connectors..... | By 5 |
| Ref 562 204 | Silicone tubing inner ø 6.4 mm + "Y" connectors..... | By 5 |
| Ref 562 205 | Silicone tubing inner ø 8 mm + "Y" connectors..... | By 5 |



Silicone tubes for pump head

| | | |
|-------------|--|------|
| Ref 561 301 | Silicone tubes for pump inner ø 1.6 mm | By 5 |
| Ref 561 302 | Silicone tubes for pump inner ø 3.2 mm | By 5 |
| Ref 513 011 | Silicone tubes for pump inner ø 4.8 mm | By 5 |
| Ref 561 304 | Silicone tubes for pump inner ø 6.4 mm | By 5 |
| Ref 561 305 | Silicone tubes for pump inner ø 8 mm | By 5 |



The dispensing assembly is **entirely autoclavable** with a bottle for contamination free dispensing.

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