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Dilu*Flow* Pro
Gravimetric dilutor (5 kg)

Ref. 502 105 (5 kg single pump) - **Ref. 502 205** (5 kg double pump)

Standards:

ISO 7218 ISO 6887

Traceability:

XLS Excel™ Print DiluFlow®

Manufactured under:

RoHS 2002/95/EC WEEE 2002/96/EC CE UK CA MADE IN FRANCE

Dilu*Flow* **Pro** automatically dilutes a solid sample in seconds, with the appropriate weight of diluent, up to a total weight of 5 kg. Available in single or double pump.

OVERVIEW

- 304L stainless steel body
- BagOpen height < 30 cm
- Removable DripTray (patented)
- BagOpen with GeckoGrip system (patented)
- Magnetic stand for BagOpen (patented shape)
- LightCode: color status LED
- Compatible with Booster Kit
- Stainless casting electromechanical core
- Robotic arm
- Compatible with Jumbo Kit
- Protection for dispensing nozzle

SPECIFICATION

- Resolution up to 200 g: 0.01 g
- Weighing range: 0.1 to 5000 g
- Max. weight without support: 7000 g
- Weighing accuracy: 0 to 100 g ± 0,05 g / 100 to 5000 g ± 0,05 %
- Dilution factor: 1/2 to 1/99
- Minimum weight required for dilution: 5 g
- Minimum weight required for distribution: 5 g
- Dilution/distribution accuracy: > 99% in Standard or Accurate mode (in optimal conditions)
- Dilution time for a 25 g sample diluted at 1/10: < 9 s (with Booster Kit in Fast mode)
- Dilution time for a 375 g sample diluted to 1/10th: < 80 s (with Booster Kit in Fast mode)
- Dispensing time for 90 mL: < 7 s (with Booster Kit in Fast mode)
- Dispensing time for 225 mL: < 10 s (with Booster Kit in Fast mode)
- Max number of pumps: 2 integrated
- Dispensing/distribution mode: Fast - Standard – Accurate
- Language: English, French

- Voltage - frequencies: 100-240V~ 50-60Hz
- Fuses: T3,15A L 250V 5x20 mm

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- Power max: 60 W
- International protection marking: IP32
- Warranty: 1 year
- Availability of spare parts: 10 years
- In compliance with standards ISO 7218, ISO 6887
- Manufactured under CE, RoHS 2002/95/EC, WEEE 2002/95/EC
- Designed and made in France

TRACEABILITY

- Traceability: Printer / Supervision software (export to Excel™ / OpenOffice™, CSV file, printer)
- Exported data: Sample weight / Total weight / Dilution factor / Dilution accuracy / Right or left pump + with supervision software: Sample number / Name of operator / Date / Time
- Connection: RS232 output for printer / USB port for computer / Jack output for foot pedal connection

Dilu*Flow* **Pro** 5 kg single pump

Ref. 502 105

- Dimensions (w x d x h): 31.3 x 42.1 x 37.7 cm, net weight: 12.40 kg
- Box (w x d x h): 55 x 55 x 40.5 cm, gross weight: 18.20 kg

Dilu*Flow* **Pro** 5 kg double pump

Ref. 502 205

- Dimensions (w x d x h): 37 x 42.1 x 37.7 cm, net weight: 14.90 kg
- Box (w x d x h): 55 x 55 x 40.5 cm, gross weight: 21.30 kg

DELIVERED WITH

- 1 drip tray 400
- 1 or 2 pumps
- 1 protection for dispensing nozzles
- 1 dispensing assembly (GL45 - Ø 6.4 mm) per pump
- 1 USB cable
- 1 supervision software
- 1 power cord
- 1 **BagOpen** 400 for dilutors (stainless steel)
- 1 user's manual
- 10 GeckoGrip
- 1 set of adhesive gum
- 1 Allen wrench
- Blender bags samples
- 1 conformity certificate / warranty card

ACCESSORIES

- **Ref. 410 130**   **Film for printer:** Thermal transfer film for printer
- **Ref. 410 150**   **Printer:** Thermal printer (RS 232 and USB output)
- **Ref. 413 002**   **2L bottle (GL45):** Set of 3 GL45 glass bottle (2L), autoclavable
- **Ref. 505 001**   **BagOpen 400 for dilutors:** Stand for 400 mL bags
- **Ref. 505 002**   **Weighing platform:** To weigh and support a container. Not delivered with container.
- **Ref. 505 003**   **Tongs platform:** To hold a tube (ø 10 to 60 mm). Not delivered with tube.
- **Ref. 505 005**   **Adjustable distribution system:** Ideal to fill various containers.
  Delivered with a nozzle holder + screws + adjustable nozzle (Ø 3.2 mm - L: 23.5 cm) + adjustable nozzle (Ø 6.4 mm - L: 12 cm) + Allen key
- **Ref. 505 009**   **GeckoGrip for BagOpen 400/3500:** Set of 10 adhesives to hold the bag in place
  Compatible with BagOpen 400 and 3500

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- **Ref. 505 010** **Integrable stand for broth bags:** Integrated to the unit, to hold one broth bag. Delivered with 4 screws + Torx screwdriver.
- **Ref. 505 014** **BagOpen 80/100 mL for dilutors:** Stand for 80/100 mL bags.
- **Ref. 505 015** **GeckoGrip for BagOpen 80/100:** Set of 10 adhesives to hold the bag in place Compatible with BagOpen 80/100
- **Ref. 505 016** **BagOpen 400 for dilutors (stainless steel):** Stainless steel stand for 400 mL bags
- **Ref. 507 008** **Foot pedal:** For hands-free dispensing. Connection with a 3.5 mm Jack
- **Ref. 505 020** **Jumbo kit (stainless steel):** BagOpen 3500 (stainless steel) + 3500 mL DripTray + anti splash extension for nozzle holder + GeckoGrip.
- **Ref. 511 000** **Booster kit:** Booster pump + 2 silicone tubings for pump part (20 cm each), inner ø 6.4 mm + 2 "Y"
- **Ref. 513 001** **5L bottle (GL45):** GL45 glass bottle (5L), autoclavable
- **Ref. 513 005** **Certified standard weight (500 g):** 500 g COFRAC calibrated weight, type F1
- **Ref. 513 015** **Independent stand for broth bags:** Independent stand for 2 broth bags
- **Ref. 513 053** **Support for distribution set with 0.2 µm filter:** 1 holder for dispensing assembly with 0.2 µm filter + 1 knurled head screw - Compatible with Steriwater filtration system
- **Ref. 521 012** **Sticker for printer:** Set of 2 rolls of 1000 stickers for thermal printer Label size: 70 x 45 mm
- **Ref. 521 110** **Paper for printer:** Set of 2 thermal paper rolls for printer

TUBINGS

- **Ref. 505 012** **Adjustable nozzles (L 23.5 cm - tubings Ø 3.2 mm):** Set of 5 adjustable PEEK nozzles (Length: 23.5 cm – For inner ø 3.2 mm tubings)
- **Ref. 505 013** **Adjustable nozzles (L 12 cm - tubings Ø 6.4 mm):** Set of 5 adjustable PEEK nozzles (Length: 12 cm – For inner ø 6.4 mm tubings)
- **Ref. 513 008** **Booster kit dispensing assembly (GL45 - Ø 3.2 mm):** Set of silicone tubings inner ø 3.2 mm + GL45 screw cap + tube weight + nozzle + cap + filter "Y"
- **Ref. 513 009** **Tubings + Y (Ø 3.2 mm):** Set of 5 dispensing tubings (silicone tubings + Tygon™ tubings + "Y" connectors) - inner ø 3.2 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. 513 016** **Dispensing assembly for broth bags (Ø 4.8 mm):** Set of silicone tubings inner Ø 4.8 mm (silicone tubings + Tygon™ tubings + straight connectors) + nozzle + protection cap – Compatible with broth bags
- **Ref. 513 020** **Trocar:** Stainless steel trocar + cap for broth bags
- **Ref. 513 023** **PTFE filters 0.2 µm (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. 513 041** **Booster kit dispensing assembly (GL45 - Ø 6.4 mm):** Set of silicone tubings inner ø 6.4 mm + GL45 screw cap + tube weight + nozzle + filter + cap + "Y"
- **Ref. 513 042** **Tubings + Y (Ø 6.4 mm):** Set of 5 dispensing tubings (silicone tubings + Tygon™ tubings + "Y" connectors) - inner ø 6.4 mm
- **Ref. 513 043** **Dispensing assembly (GL45 - Ø 6.4 mm):** Set of silicone tubings inner ø 6.4 mm + GL45 screw cap + tube weight + nozzle + cap + filter
- **Ref. 513 044** **Tubings (Ø 6.4 mm):** Set of 5 dispensing tubings (silicone tubings + Tygon™ tubings + straight connectors) - inner ø 6.4 mm
- **Ref. 513 045** **Dispensing assembly (GL45 - Ø 3,2 mm):** Set of 5 silicone tubings inner ø 3.2 mm + GL45 screw cap + tube weight + nozzle + cap + filter
- **Ref. 513 047** **Tubings (Ø 3.2 mm):** Set of 5 dispensing tubings (silicone tubings + Tygon™ tubings + straight connectors) - inner ø 3.2 mm

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- **Ref. 513 048** **Nozzle 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** **Nozzle cap (Ø 4.8 - 8 mm):** Set of 5 protections for nozzles (tubings Ø 4.8 - 8 mm)
- **Ref. 513 050** **Dispensing assembly with 0.2 µm filter (GL45 - Ø 6.4 mm):** Set of silicone tubings inner Ø 6.4 mm + GL45 screw cap + filter + tube weight + nozzle + cap +   0.2 µm filter
- **Ref. 513 051** **Dispensing assembly + Y with 0.2 µm filter (GL45 - Ø 6.4 mm):** Set of silicone tubings inner Ø 6.4 mm + GL45 screw cap + filter + tube weight + nozzle + cap +   "Y" + 2 filters 0.2 µm
- **Ref. 513 052** **Tubings for pump with filter 0.2 µm (Ø 6.4 mm):** Set of 2 Tygon™ tubing for pump part (50 cm) + 2 filters 0.2 µm. inner Ø 6.4 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. 561 401** **Autoclavable GL45 stopper + 0.2 µm filter:** Autoclavable GL45 stopper + 0.2 µm filter
- **Ref. 561 403** **Straight connectors (tubings ø 6.4 - 8 mm):** Set of 6 straight plastic connectors for 6.4 et 8 mm tubings
- **Ref. 561 404** **Straight connectors (tubings ø 3.2 - 4.8 mm):** Set of 6 straight plastic connectors for 4.8 et 3.2mm tubings
- **Ref. 562 401** **Y connectors (tubings ø 6.4 - 8 mm):** Set of 6 "Y" plastic connectors for 6.4 and 8 mm tubings
- **Ref. 562 402** **Y connectors (tubings ø 3.2 mm):** Set of 6 "Y" plastic connectors for 3.2 mm tubings
- **Ref. 562 403** **Y connectors (tubings Ø 4.8 mm):** Set of 6 "Y" plastic connectors for Ø 4.8 mm tubings

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