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DiluFlow Elite 5 kg
Gravimetric dilutor (5 kg)

Ref. 503 105 (5 kg single pump) - **Ref. 503 205** (5 kg double pump)

Standards:

| ISO 7218 | ISO 6887 |

Traceability:

USB | LIMS | XLS Excel™ | Print | DiluFlow®

Manufactured under:

RoHS 2002/95/EC | WEEE 2002/96/EC | CE | UKCA | MADE IN FRANCE

Dilu*Flow* **Elite 5 kg** automatically dilutes a solid sample in seconds, with the appropriate weight of diluent, up to a total weight of 5 kg. Its full traceability records all operations. It is programmable and connectable for up to 6 diluents and enables the dilution of any type of sample. 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
- Up to 6 pumps
- **Multi-dispensing mode (patented)**
- **Powder mode**
- **Weighing mode**
- **Auto-tare function**
- 24 editable programs
- Bi-directional connectivity

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 1/1000, customizable fractions
- Minimum weight required for dilution: 5 g

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- 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: < 8 s (with Booster Kit in Fast mode)
- Dilution time for a 375 g sample diluted to 1/10th: < 75 s (with Booster Kit in Fast mode)
- Dispensing time for 90 mL: < 6 s (with Booster Kit in Fast mode)
- Dispensing time for 225 mL: < 9 s (with Booster Kit in Fast mode)
- Max number of pumps: 2 integrated + 4 externals
- Dispensing/distribution mode: Fast - Standard – Accurate

- Language: English, French
- Voltage - Frequency: 100-240V~ 50-60Hz
- Fuses: T3.15A L 250V 5x20 mm
- 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 / Export to Excel^{TM} / CSV file export on USB stick / Bi-directional connection to LIMS
- Type of LIMS connection: File sharing, web service
- Exported data: Sample weight / Total weight / Dilution factor / Dilution accuracy / Diluent / Sample number / Diluent lot number / Date / Time / Last calibration date / Name of operator / Name of program
- Connection: 2 USB ports (type A) to connect a printer, keyboard, bar-code reader, USB stick / 1 USB port (type B) to connect a computer / Jack socket to connect a foot pedal / Handy gun / Ethernet connection for LIMS

Dilu**Flow** **Elite** 5 kg single pump

Ref. 503 105

- Dimensions (w x d x h): 31.3 x 42.1 x 37.7 cm, net weight: 12.90 kg
- Box (w x d x h): 55 x 55 x 53 cm, gross weight: 18.90 kg

Dilu**Flow** **Elite** 5 kg double pump

Ref: 503 205

- Dimensions (w x d x h): 37 x 42.1 x 37.7 cm, net weight: 15.40 kg
- Box (w x d x h): 55 x 55 x 53 cm, gross weight: 21.50 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 stick
- 1 USB cable
- 1 USB A Male / A Female extension cable
- 1 power cord

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- 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. 505 007** **Pump module:** External module with single pump
  + 513 043: Dispensing assembly (GL45 - Ø 6.4 mm)
- **Ref. 505 008** **6 nozzles holder:** Can hold up to 6 nozzles
- **Ref. 505 009** **GeckoGrip for BagOpen 400/3500:** Set of 10 adhesives to hold the bag in place
  Compatible with BagOpen 400 and 3500
- **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. 505 020** **Jumbo kit (stainless steel):** BagOpen 3500(stainless steel) + 3500 mL DripTray
  + anti splash extension for nozzle holder + GeckoGrip.
- **Ref. 507 008** **Foot pedal:** For hands-free dispensing. Connection with a 3.5 mm Jack
- **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
- **Ref. 522 000** **Bar-code reader:** Bar-code reader (1D/2D)
- **Ref. 561 001** **Handy Gun:** Dispensing control with handy gun including electronic start button

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

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- **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
- **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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