

DiluFlow Pro

Gravimetric dilutor (5 kg)

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



Standards:



Traceability:



Manufactured under:



DiluFlow 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 $\pm 0,05$ g / 100 to 5000 g $\pm 0,05$ %
- 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
- 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

DiluFlow 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

DiluFlow 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. 505 006 **Jumbo kit:** BagOpen 3500 + 3500 mL DripTray
+ anti splash extension for nozzle holder + GeckoGrip.
- 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. 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

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
- 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