

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
- Ultra-low profile: 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 $\pm 0,1$ %
- 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: 12.30 kg
- Box (w x d x h): 55 x 55 x 40.5 cm, gross weight: 18.10 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: 14.80 kg
- Box (w x d x h): 55 x 55 x 40.5 cm, gross weight: 21.20 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
- 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 dataLink® printer: Thermal transfer film
- Ref 410 150 dataLink® 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**: Bag holder for 400 mL bags for DiluFlow®
- Ref 505 002 **Weighing platform**: To weigh and support a container. Nondelivered with container.
- Ref 505 003 **Tongs platform**: To hold a tube (ø 10 to 60 mm). Nondelivered with tube.
- Ref 505 005 **Adjustable distribution system**: Ideal to fill various containers
- Ref 505 006 **Jumbo kit**: BagOpen® 3500 + 3500 mL DripTray
- Ref 505 009 **GeckoGrip for BagOpen® 400/3500**: Set of 10 adhesives for DiluFlow BagOpen® 400 and 3500
- Ref 505 010 **Integrable stand for broth bags**: Integrated to the unit, to hold one broth bag
- Ref 505 014 **BagOpen® 80/100 mL for dilutors**: Bag holder for 80/100 mL bags for DiluFlow®
- Ref 505 015 **GeckoGrip for BagOpen 80/100**: Set of 10 adhesives for DiluFlow® 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 support for distribution set with 0.2 µm filter + 1 knurled screw
- Ref 521 012 **Sticker for dataLink® printer**: Set of 2 rolls of 1000 stickers for thermal printer
Label size: 70 x 45 mm
- Ref 521 110 **Paper for dataLink® 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 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 nozzles (Length: 12 cm – For inner ø 6.4 mm tubings)
- Ref 505 017 **Nozzle cap for trocar** : Set of 10 nozzle caps for trocar
- 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 + 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) : Distribution assembly Ø 4.8 mm for broth bags
- Ref 513 020 Trocar: Trocar for broth bags
- Ref 513 023 PTFE filters 0.2 µm (Ø 25 mm): Set of 5 autoclavable filters (0.2 µm) for GL45 bottle
- Ref 513 024 Nozzles (tubings Ø 4.8 - 8 mm): Set of 5 nozzles for tubings from 4.8 to 8 mm inner diameter
- Ref 513 039 Tube weights (ø 6 mm): Set of 5 tube weights - ø 6 mm
- Ref 513 040 Nozzles (tubings Ø 1.6 - 3.2 mm): Set of 5 nozzles 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 + "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 + 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 silicone tubings inner ø 3.2 mm + GL45 screw cap + tube weight + nozzle + 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 10 protection caps for nozzles. For tubings from 1.6 to 3.2 mm inner diameter
- 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 + 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 + "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 connectors for 6.4 et 8 mm tubings
- Ref 561 404 Straight connectors (tubings ø 3.2 - 4.8 mm): Set of 6 straight connectors for 4.8 et 3.2mm tubings
- Ref 562 401 Y connectors (tubings ø 6.4 - 8 mm): Set of 6 "Y" connectors for 6.4 and 8 mm tubings
- Ref 562 402 Y connectors (tubings ø 3.2 mm): Set of 6 "Y" connectors for 3.2 mm tubings