

DiluFlow® Elite Gravimetric dilutors



DiluFlow® Elite is designed for the automatic dilution of a solid sample with the appropriate weight of diluent. Its traceability features enable the recording of all the operations. Programmable and connectable with up to 6 diluents, it is available in 1 kg and 5 kg versions. The 1 kg version is specifically designed for cosmological analyses (sample of 1-5 g requiring high accuracy).

Key features

- Ultra low profile: easy use under a laminar flow
- LightCode: Color status LED
- Patents: GeckoGrip gripping system, removable DripTray, multi-dispensing mode, magnetic BagOpen® (patented shape)
- Warranty: 1 year
- Booster kit (in option): up to x 2 times faster
- Resolution up to 200 g: 0.01 g
- Robotic arm for easy sample insertion
- Jumbo kit option for 3500 mL bags
- Traceability: Printer / data export to Excel™ / monitoring software / CSV file export on USB stick / Bidirectional connectivity LIMS
- Connection: 2 USB outputs (to connect a printer, keyboard, bar-code reader, USB stick)
1 USB port (to connect a computer)
Jack output (to connect a food pedal, handy gun)
Ethernet connection for LIMS
- Dilution time: < 8 s
(for a 25 g sample diluted at 1/10 with booster kit in fast mode)
- Dilution factor: 2 to 1000, editable fractions
- Weighing accuracy: DiluFlow® Elite 5 kg: 0 g to 100 g: ± 0.05 g / 100 g to 5000 g: ± 0.1 %
DiluFlow® Elite 1 kg: 0 g to 20 g: ± 0.01 g / 20 g to 1000 g: ± 0.1 %
- Dilution accuracy: > 99 % (in standard or accurate mode)
- Max number of pumps: 2 integrated + 4 external
- Weighing range: from 0.1 g to 5000 g (DiluFlow® Elite 5 kg) / from 0.1 g to 1000 g (DiluFlow® Elite 1 kg)
- Maximum weight without support: 7000 g (DiluFlow® Elite 5 kg) / 1500 g (DiluFlow® Elite 1 kg)

Delivered with: 1 or 2 pumps, 1 DripTray 400, 1 protection plate for tubing nozzles, 1 dispensing assembly (GL45 - ø 6.4 mm (Elite 1 kg; ø 3.2 mm) per pump, monitoring software, USB cable, USB stick, power cable, 1 BagOpen® 400 for dilutors, user's manual, 10 GeckoGrip, free bag samples.

Technical specifications

DiluFlow® Elite	1 kg: Single pump	1 kg: Double pump	5 kg: Single pump	5 kg: Double pump
Maximum weight	1 000 g		5 000 g	
Power	100-240V~ 50/60 Hz			
Size (w x d x h)	31 x 42 x 38 cm	37 x 42 x 38 cm	31 x 42 x 38 cm	37 x 42 x 38 cm
Weight	12.6 kg	14.8 kg	12.6 kg	14.8 kg
Reference	503 101	503 201	503 105	503 205



Demo video
www.interscience.com

Traceability:



Applications

- Microbiological analyses
- Gravimetric dilutions / Liquids dispensing
- Precise weighing system
- For samples requiring traceability

Advantages

- ▶ Up to 6 pumps with 4 connectable pumps
- ▶ Multi-distribution mode, patented
- ▶ Bidirectional connectivity (LIMS)

Options



Gravimetric dilutors

Sample preparation