

# Automated sample dilution for precision & efficiency



## Simple solutions to streamline your workflow

Fast and reliable culture media dilutions are as easy as 1, 2, 3. With the Thermo Scientific™ DiluFlux™ Pro Automated Gravimetric Dilutors, you can automate the dilution step of your Thermo Scientific™ Dry-Bags™ Enrichment Media, as well as other formats, for maximum efficiency.

The DiluFlux Pro Dilutors are compact, easy-to-use, automated gravimetric dilutors designed to deliver precise quantities of diluents with the touch of a button so that you can work quickly and accurately. When combined with the Thermo Scientific™ Peristaltic Pump and Thermo Scientific™ Homogenizer, your laboratory bench will be equipped with a flexible, automated workflow solution that can truly elevate your productivity.

### Intuitive design

Simply press two keys, “tare” and “go”, and the DiluFlux Pro instruments will automatically dilute your sample to the desired dilution factor.

### Superior accuracy

Featuring Watson-Marlow™ peristaltic pumps, high-tech flow regulators and top of the line weighing platforms, the DiluFlux Pro Dilutors deliver trusted reproducibility and repeatability—down to 0.05% for weighing and up to >99% for dispensing.

### Versatile solution

Compatible with many prepared media formats, the easy-to-clean, stainless steel DiluFlux Pro Dilutors are an ideal fit for any food testing laboratory.

### High-quality performance

The DiluFlux Pro Dilutors are ISO 7218, ISO 6887-1, FDA BAM compliant, and made in France under ISO 9001 2008 certification.



## Quick. Accurate. Reproducible.

Dilute your samples in seconds

1. Secure bag and position dispensing arm
2. Start the dilution with simple, 2-key actuation
3. Finish fast— <9 seconds\* for 25 g 1/10 dilution

\* Dilution time for a 25 g sample diluted at 1/10 with booster kit in FAST mode

Find out more about how you can streamline your sample prep and enrichment steps at [thermofisher.com/enrich](https://thermofisher.com/enrich)

thermo scientific

# DiluFlux Automated Gravimetric Dilutor



## Technical Specifications:

### Product code:

DiluFlux Pro-3 Dilutor DB4100A  
DiluFlux Pro-5 Dilutor DB4150A

### Dilution time:

FAST mode  
< 9 seconds for 25 g 1/10 dilution  
< 80 seconds for 375 g 1/10 dilution

### Dilution factor:

From 1/2 to 1/99

### Weighing range:

DiluFlux Pro-3 Dilutor 0.1 g - 4.5 Kg  
DiluFlux Pro-5 Dilutor 0.1 g - 7.0 Kg

### Accuracy:

Weighing - 0-100 g +/- 0.05 g,  
100 g - 7.0 Kg +/- 0.1%

Dilution - >98% FAST mode,  
>99% STANDARD/ACCURATE mode

### Output:

RS 232 output for printer / USB output for  
computer / Jack output for foot pedal

### Power:

100-220 V

### Instrument size

DiluFlux Pro-3 instrument

Length	Width	Height	Weight
41.5 cm	31.0 cm	40 cm	10.0 Kg

DiluFlux Pro-5 instrument

Length	Width	Height	Weight
41.5 cm	31.0 cm	37.5 cm	12.5 Kg

### Easy cleaning:

All stainless steel + electronic  
parts protected

### Warranty:

1 year guarantee (after registration)

### In compliance with:

ISO 7218, ISO 6887-1, FDA BAM

### Origin:

Designed and made in France

### Manufactured under:

ISO 9001 2008 certification

### Traceability information:

Left/right pump selection, sample  
volume, total volume, dilution factor,  
dilution accuracy

### Delivered with:

1 x dispensing assembly Ø 6.4 mm for  
GL45 bottle per pump

1 x fixed arm assembly

1 x BagOpen™ Bag Opener

1 x set of 10 BagOpen™ adhesives

1 x set of adhesive gum

1 x monitoring software CD

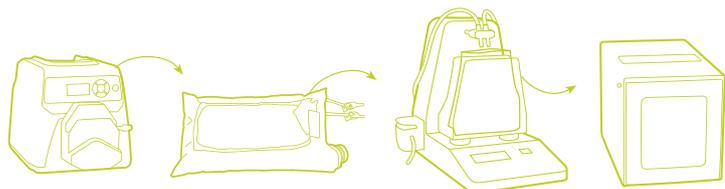
1 x power cord

1 x USB cable

1 x user's manual

1 x conformity certificate

Optional accessories



## Consumables

DB4011A	BagFilter™ 400, sterile side-filter bag, box 500
DB4012A	BagPage™ 400, sterile full-surface filter bag, box 500
DB4013A	BagLight™ 400, sterile plain bag, box 1000
DB4014A	RollBag™ 1300, sterile sampling bag, box 500

## Options & accessories

DB4101A	Ink ribbon for printer
DB4102A	Thermal printer
DB4103A	BagOpen™ 400 for Diluflux Pro Dilutors
DB4104A	Weighing platform
DB4105A	Tongs platform
DB4106A	Adjustable distribution arm system for DiluFlux Pro-3 Dilutor
DB4124A	Adjustable distribution arm system for DiluFlux Pro-5 Dilutor
DB4107A	Jumbo Kit BagOpen™ 3500 for DiluFlux Pro-5 Dilutor
DB4108A	BagOpen™ adhesives (set of 10)
DB4109A	Stand for bagged media
DB4007A	Foot pedal
DB4110A	Booster pump kit
DB4005A	Bottle
DB4006A	500 g calibrated weight
DB4111A	Full dispensing small assembly for booster Ø 3.2 mm
DB4112A	Small silicone tubing for booster Ø 3.2 mm
DB4113A	Independent stand for broth bags
DB4002A	Trocar
DB4114A	Air filter for GL45 cap
DB4009A	Nozzles tubing Ø 6.4 mm
DB4010A	Tube weights
DB4115A	Nozzles tubing Ø 3.2 mm
DB4116A	Full dispensing assembly for booster kit Ø 6.4 mm
DB4117A	Silicone tubing for booster Ø 6.4 mm
DB4118A	Full dispensing assembly Ø 6.4 mm
DB4119A	Silicone tubing Ø 6.4 mm
DB4120A	Full dispensing assembly Ø 3.2 mm
DB4121A	Silicone tubing Ø 3.2 mm
DB4016A	Printer sticker
DB4017A	Printer paper
DB4122A	Set of silicone tubing for pump Ø 3.2 mm
DB4123A	Set of silicone tubing for pump Ø 6.4 mm

[thermofisher.com/enrich](http://thermofisher.com/enrich)

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