

DiluFlow

DiluFlow by interscience

interscience

IFIOW

The best colution for your dilutional

The best solution for your dilutions!

interscience



Our quality for your lab

- Full range of products for microbiological analyses
- Leadership for innovative products
- Worldwide distribution network
- Designed and Made in France

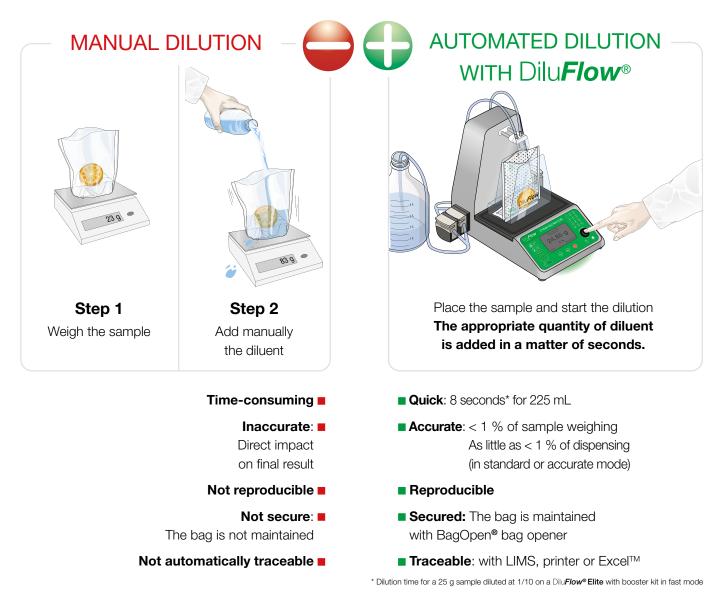


BagSystem® for the best sample preparation



Why use a gravimetric dilutor?

Dilu*Flow*[®] gravimetric dilutors enable the automatic dilution of the sample with perfect reliability. See the following advantages:



Easy-to-use efficient & connected 3 models for optimal dilutions





Traceability

Printer, USB stick⁽¹⁾, Excel[™], Open Office[™], CSV, LIMS⁽¹⁾

Up to 6 diluents

With 4 extra connectable pumps⁽¹⁾

IN COMPLIANCE WITH



304 L stainless steel casing

For easy cleaning and long-lasting

Robotic arm⁽²⁾

Easy sample dropping Avoids contamination Saves time



High accuracy weighing scale

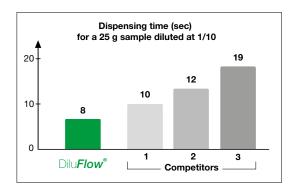
Weighing accuracy up to 99%

Removable DripTray

Easy to keep your Dilu*Flow*[®] clean **PATENTED**

Demo video Scan me !

Unique features



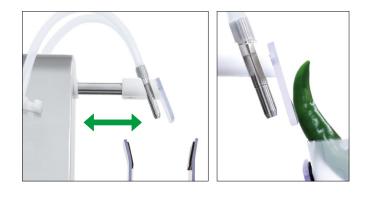
World's fastest dilutor:

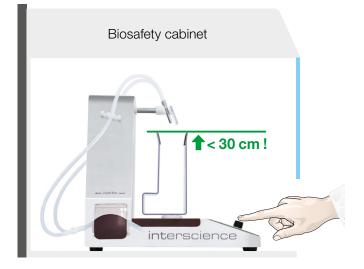
With a booster kit, the Dilu**Flow**[®] are the fastest diluters on the market. Only 8 s⁽³⁾ to dispense 225 mL!

Robotic arm[®] & nozzle protection plate

The robotic arm enables you to drop the sample safely and easily whithout contamination risks. Tested more than 1.3 million times, its reliability is guaranteed.

The protective plate protects the nozzle from any contact with the sample.





Ultra low profile

The Dilu**Flow®** have the lowest bag opening on the market, less than 30 cm!

This allows a better comfort and ergonomics, especially when you use the DiluFlow in a biosafety cabinet.

GeckoGrip gripping system

Inspired by a gecko's paw, this new GeckoGrip material will hold the bag without pressing hard. GeckoGrip sticking properties apply in dry and wet surfaces.

GeckoGrip long lasting material can be washed with soap and alcohol.

PATENTED





LightCode

An intuitive indicator of the status of the Dilu**Flow**[®]. The degree of accuracy of the finished dilution is displayed: green > 98 %, orange > 95 % or red < 95 %. It will also turn blue if the scale is not stable, thus telling you to wait for stabilization.



Green:

Accuracy > 98 %



Accuracy > 95 %





Accuracy < 95 % Sc

Scale stabilizing

DripTray

In case culture media is spilt on the unit, the new patented DripTray can be removed to be rinsed, avoiding a tedious cleaning of the unit.

PATENTED





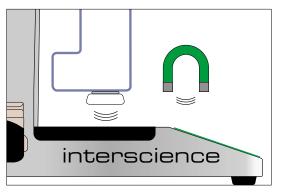
Multi-Dispensing[®]

This unique patented mode allows you to serially dispense in small containers such as 9 mL tubes, without having to weigh each tube, by doing just one calibration on the scale.

PATENTED

Magnetic BagOpen®

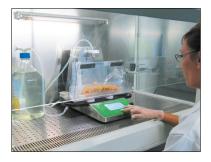
The 2 points magnetic attachment of the **BagOpen®** guarantee a stable platform for better measuring accuracy, and provide a natural protection of the weight sensor when removing the bag.



PATENTED SHAPE

Multiple ways to use a DiluFlow®

GG The lab operators like the low profile of the DiluFlow® platform 99



New standards make it necessary to work under a laminar flow for the dilution work, and this can create operational problems.

Our lab operators like the ultra-low profile of the Dilu**Flow®** platform because they do not need to bend themselves anymore to insert the sample in the bag.

My Dilu**Flow**[®] can handle up to 5 000 g load if you add the Jumbo kit option, to dilute in large bags. It is useful because you do not need to buy an extra machine for large samples.

Brigitte, lab technician

GG The DiluFlow® Elite, in the 1 kg version, has an accuracy of 0.01 g 99



In the cosmetics industry, the raw materials cost a fortune, sometimes more than 10 000 euros per kilo ! That is why we only work with small amounts, usually 1 g.

The Dilu**Flow**[®] **Elite**, in 1 kg version, has an accuracy of 0.01 g, which enables us to get ± 2 % weighing accuracy. Moreover we use the tongs platform option which are efficient pliers to hold our tubes, to directly place the tube under the liquid flow every time.

Dylan, lab manager

GG Accurate, user-friendly and reliable... 99



We analyze between 10 and 20 samples per day in our lab.

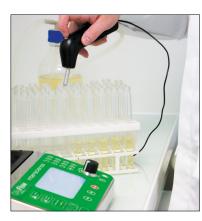
We looked at all dilutors on the market and most of them looked far too complex to use or too sophisticated.

We are now using a Dilu**Flow**[®] which matches our requirements completely. The keyboard is really easy-to-use; only 2 keys to press for a dilution.



Alain, microbiological coordinator

66 3-in-1 equipment 99



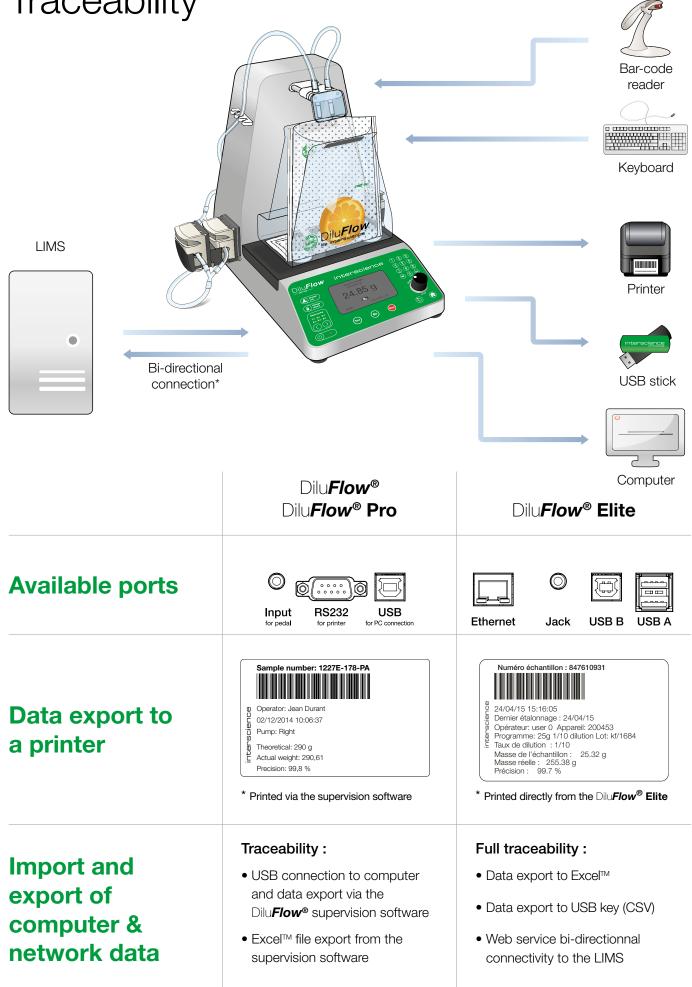
What I really like about my Dilu**Flow[®] Elite** is the Multi-Dispensing function. I use it to fill 9 mL dilution tubes. Before that, I was using a peristaltic pump, but each time, I had to calibrate the pump with a weighing platform to get $\pm 2\%$ accuracy.

With the Dilu**Flow[®] Elite**, you just put the first tube on the platform and the calibration is automatic. You can then di-

rectly distribute the doses in the tubes with the HandyGun, without having to weigh each tube. It is as if I had 3-in-1 equipment: a peristaltic pump, a scale and a dilutor!

Dominique, quality control engineer

Traceability

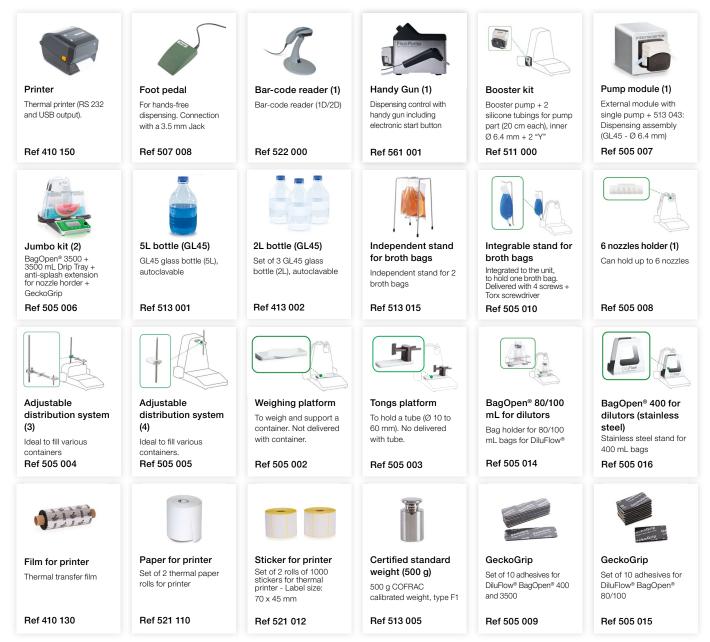


How to order



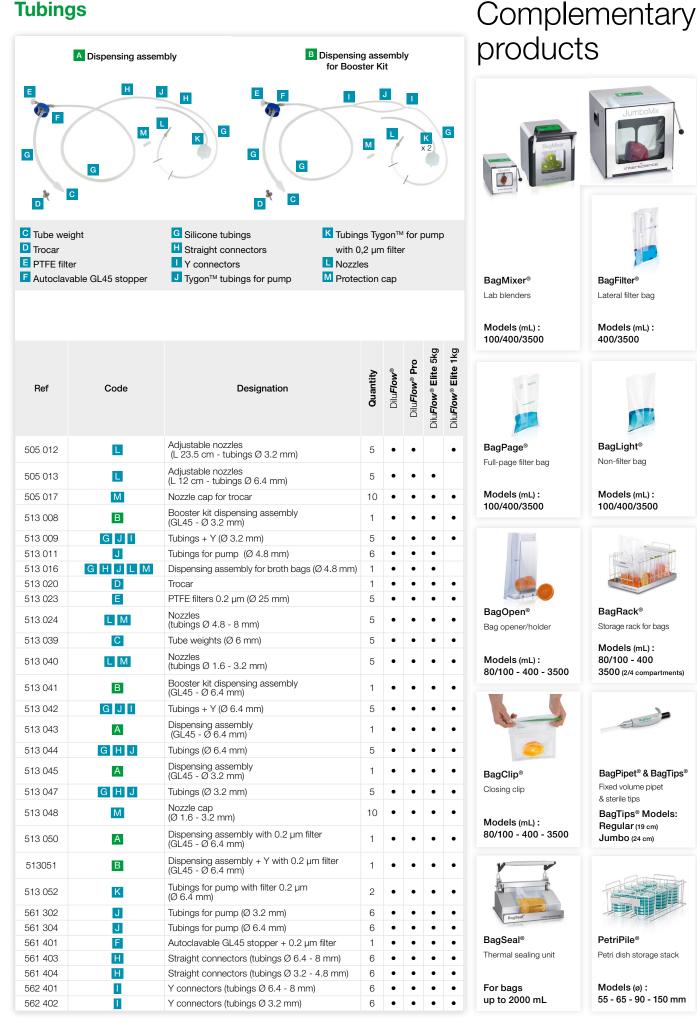
DiluFlow® is delivered with 1 distribution arm, 1 drip tray 400, 1 or 2 pumps, 1 distribution assembly (GL45 - Ø 6.4 mm) per pump, 1 USB cable, 1 supervision software, 1 power cord, 1 BagOpen® 400 for dilutor, 1 user's manual, 1 conformity certificate / warranty card, 10 GeckoGrip, 1 pack of adhesive putty, blender bags samples. DiluFlow® Pro is delivered with 1 drip tray 400, 1 or 2 pumps, 1 protection for distribution nozzle, 1 distribution 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, 1 conformity certificate / warranty card, 10 GeckoGrip, 1 pack of adhesive putty, 1 Allen wrench, blender bags samples. DiluFlow® Title is delivered with 1 drip tray 400, 1 or 2 pumps, 1 protection for distribution nozzle, 1 distribution 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, 1 conformity certificate / warranty card, 10 GeckoGrip, 1 pack of adhesive putty, 1 Allen wrench, blender bags samples.

Accessories



(1) Only on Dilu*Flow*[®] Elite (2) Only on Dilu*Flow*[®] Pro and Dilu*Flow*[®] Elite 5 kg (3) Only on Dilu*Flow*[®] (4) Only on Dilu*Flow*[®] Pro and Dilu*Flow*[®] Elite

Tubings



Technical specifications

		Dilu Flow® 3 kg		Dilu Flow® Pro 5 kg		Dilu Flow® Elite 5 kg		Dilu Flow® Elite 1 kg	
								Single pump Double pump	
	Reference	501 103	501 203	502 105	502 205	503 105	503 205	503 101	503 201
OVERVIEW	304L stainless steel body	✓	•	✓			 Image: A start of the start of	✓	
	BagOpen [®] height < 30 cm	✓		✓		✓		✓	
	Removable drip tray (Patented)	✓		✓		✓		✓	
	BagOpen [®] with GeckoGrip system (Patented)	✓		\checkmark		✓		✓	
	Magnetic stand for BagOpen® (Patented shape)	✓		 ✓ 		✓		✓	
	LightCode: color status LED	✓		✓		\checkmark		\checkmark	
	Compatible with Booster Kit	✓		✓		✓		✓	
	Stainless casting electromechanical core	✓		✓		✓		✓	
	Robotic arm	-		✓		✓ ·			
	Compatible with Jumbo Kit	-		✓		 ✓ 		-	
	Protection for dispensing nozzle	-				✓			
	Up to 6 pumps	-		-		1		1	
	Multi-dispensing mode (Patented)	-		-		✓ ✓			
	Powder mode	_				· · · · · · · · · · · · · · · · · · ·			
	Weighing mode	-		-					
	Auto-tare function	-		_					
		-		-					
	24 editable programs	-		-				~	·
	Bidirectional connectivity	-		-			 Image: A start of the start of	✓	
	1 g dilution to 1/10 th	-		-		-		✓	,
SPECIFICATIONS	Resolution up to 200 g	0.1.1-0.000 -)1 g			
	Weighing range	0.1 to 3000 g				5000 g		0.1 to 1000 g	
	Max weight without support	4500 g 0 to 100 g: ± 0.05 g				00 g g : ± 0.05 g		1500 g 0 to 20 g: ± 0.01 g	
	Weighing accuracy	100 to 3000			100 to 500	0 g: ± 0.05 g		20 to 1000	± 0.01 g g: ± 0.1%
	Dilution factor		1/2 to 1/99				1/2 to 1/1000, cus	tomizable fractions	
	Minimum weight required for dilution			5 g				0,5 g *	
	Minimum weight required for distribution	5 g							
	Dilution/distribution accuracy	> 99% in Standard or Accurate mode (in optimal conditions)							
	Dilution time for a 25g sample diluted to $1/10^{\text{th}}$	< 9 s (with Booster Kit in Fast mode)				< 8 s (with Booster Kit in Fast mode)			
	Dilution time for a 375g sample diluted to $1/10^{\text{th}}$	_		< 80 s (with Booster Kit in Fast mode)		< 75 s (with Booster Kit in Fast mode)		-	
	Distribution time for 90 mL	< 7 s (with Booster Kit in Fa		er Kit in Fast mode)	it in Fast mode)		< 6 s (with Booster Kit in Fast mode)		
	Distribution time for 225 mL	< 10 s (with Booste		er Kit in Fast mode)		< 9 s (with Booster Kit in Fast mode)			
	Max number of pumps	2 integrated				2 integrated + 4 external			
	Dilution/distribution mode	Fast - Standard - Accurate							
	Language	English				French, english			
	Voltage - Frequency	100-240				/~ 50-60 Hz			
	Warranty	1 year							
	Spare parts availability	10 years							
	In compliance with	ISO 721			ISO 7218	- ISO 6887			
TRACEABILITY	Traceability	Printer / Supervision software (export to Excel™ / OpenOffice™, CSV file, printer)			Printer / Export to Excel™ file / CSV file Export on USB key / Bi-directional connection to LIMS				
	Type of LIMS connection	-			File sharing, web service				
	Exported data	Sample weight / Total weight / Dilution factor / Dilution accuracy / Right or left pump + with supervision software: Sample number / Name of operator / Date / Time				/ Sample number / Diluent lot number / Date / Time / Last calibration date / Name of operator / Name of program			
	Connection	RS232 output for printer / USB port for computer / Jack output for foot pedal connection				2 USB ports (type A) to connect a printer, keyboard, bar-code reader, USB key / 1 USB port (type B) to connect a computer / Jack socket to connect a foot pedal / Handy gun / Ethernet connection for LIMS			
* with a	a recommended dilution factor of 10	Cer	tified produ	ction: WEE				Products made	e for

Certified production:



an ISO 9001 certified company

Your local distributor

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