



GRAVIMETRIC DILUTOR MACHINE **KingGraviDilu**



**Dilution ratio
up to 1/99**



**Watson Marlow
pump head**



**Microprocessor with
touch display**



3-year warranty

EXTENDED USE

KingGraviDilu is an automatic sample diluter that operates quickly and accurately, based on the principle of weight-based dilution.

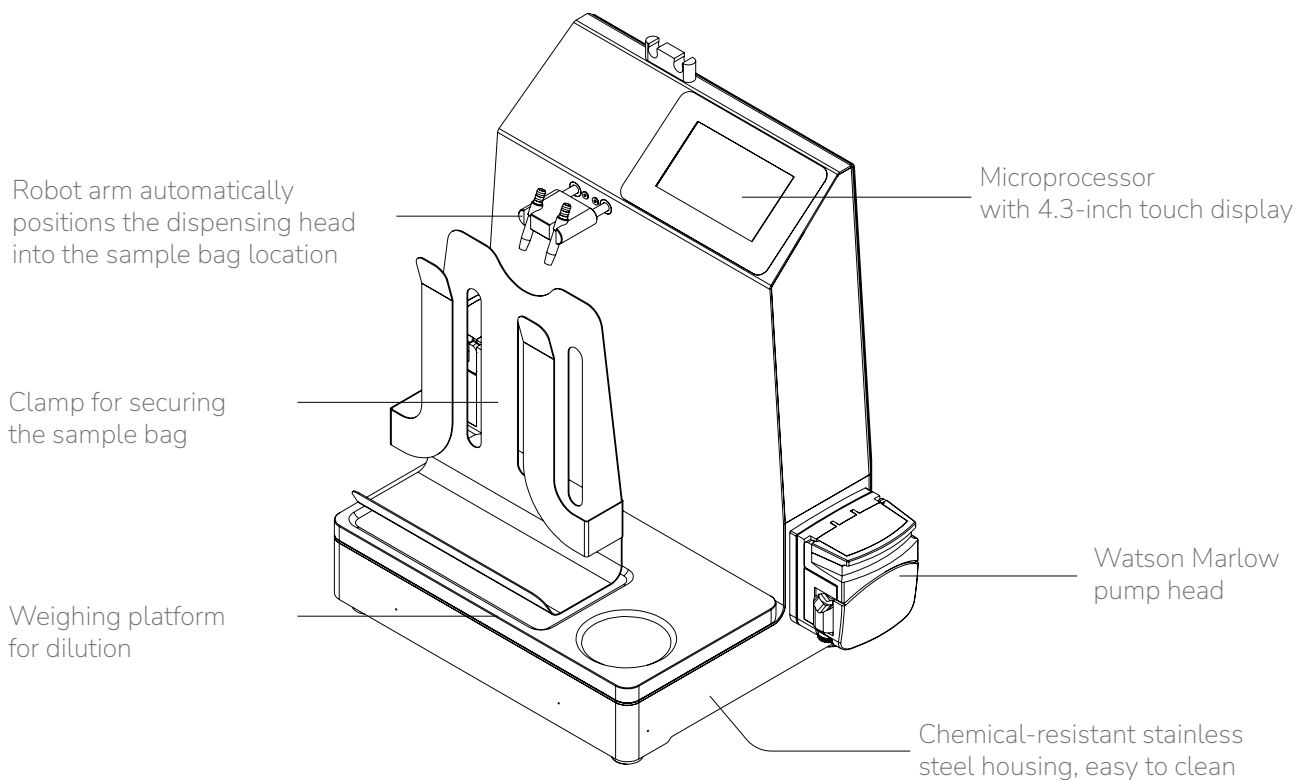
FEATURES

- ✓ Equipped with a high-precision, robust, and durable Watson Marlow pump.
- ✓ Integrated with a robotic arm that automates the dilution process.
- ✓ The high-precision sample weighing platform supports a maximum weight of 2500g.
- ✓ Sample bag clamps minimize risks and errors.
- ✓ The machine is controlled by a microprocessor controller with a touchscreen display showing sample weight, dilution factor, pump selection, time settings and pump calibration.

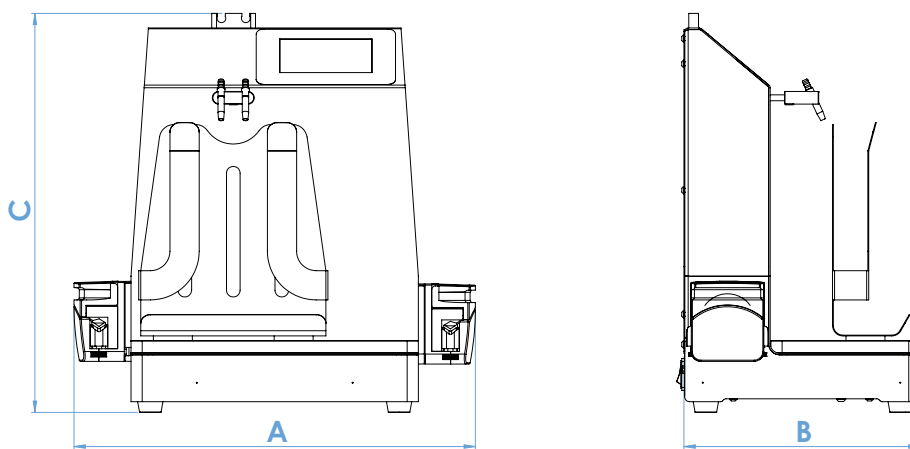


- User-friendly, intuitive interface
- Dilution ratio up to 1/99
- Adjustable dilution speed
- Tự động tính toán lượng dung dịch cần để pha loãng mẫu.
- Dễ dàng thao tác khi đeo găng tay.

STRUCTURE



SPECIFICATIONS









Model	KingGraviDilu
Weighing range	0.1 – 2500 g
Maximum weight	2500 g
Minimum weight required for dilution	1 g
Pump head	2
Pump speed	500 rpm
Precision with Ø 3.2 mm tubing	9 mL: >98% – 18 mL: >99% – 90 mL: >99.6% – 225 mL: >99.9%
Tubing inner diameter	3.2 mm – 4.8 mm – 6.4 mm – 8.0 mm
Tube wall thickness	1.6 mm
Dilution factor	1/2 – 1/99
Weighing accuracy	0.1 g
Dilution accuracy	0.1 g
Sample weight resolution	0.1 g
Dilution time for 25 g sample at 1/10 dilution	~10 seconds
Accuracy (for sample >5 g)	99%
Dimensions (W x D x H)	305 x 244 x 388 mm
Net weight	5 kg
Voltage – Frequency	200 – 240 V, 50 – 60 Hz
Power	100 W
Warranty	3 years

ACCESSORIES

1. Independent stand for ready-to-used bags
2. Bag Blender
3. Bag Blender Rack



PRODUCTS	ORDER CODE	DESCRIPTION
	NovaBag 400	400 mL, 180×300 mm, 25 pcs/bag, gamma-sterilized
	KingRack 400	Bag blender rack allows the clean and orderly storage of bags during sample preparation.
	KingClip	KingClip is a temporary closing clip. It fits all types of bags.
	KingStand	Independent stand for 2 ready-to-used bags
	KingTrocac	Kim đâm miệng túi môi trường pha sẵn kết nối với đường ống
	KingSpoutHolder	Material: CNC milled POM plastic, used to fix the pump tube onto the machine shaft
	KingTubeweight	Material: Stainless steel 304, used for various pipe sizes.
	KingTubing 3.2	The inner diameter of the tube is ø 3,2 mm with a wall thickness of 1.6 mm
	KingTubing 4.8	The inner diameter of the tube is ø 4,8 mm with a wall thickness of 1.6 mm
	KingTubing 6.4	The inner diameter of the tube is ø 6,4 mm with a wall thickness of 1.6 mm
	KingTubing 8.0	The inner diameter of the tube is ø 8,0 mm with a wall thickness of 1.6 mm