



LAMBDA
PRECIFLOW *touch*

0-600 ml/h



LAMBDA
HIFLOW *touch*

0-3 l/h



LAMBDA
MAXIFLOW *touch*

0-10 l/h



LAMBDA
MEGAFLOW *touch*

0-60 l/h

LAMBDA *touch* peristaltic pumps

Innovative Design for Long-Term Stable Flow Rates
Proven Reliability for Over 40 Years!

Solving Common Peristaltic Pump Problems

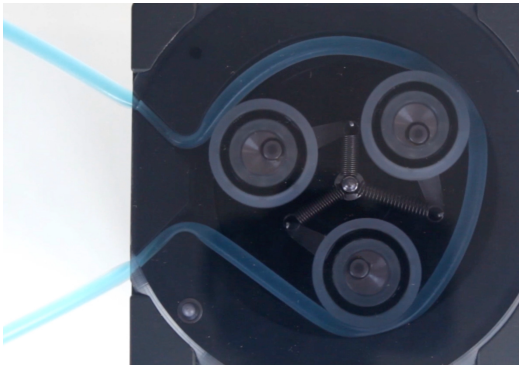
Traditional peristaltic pumps often suffer from issues such as:

- Tubing aspiration by pump mechanics
- Tubing rupture and solution leakage
- Decreased flow rate over time
- Interruptions in continuous processes, leading to costly downtime

After thorough research and innovation, LAMBDA has developed a **next-generation peristaltic pump** that effectively addresses these challenges, **delivering exceptional reliability and performance**.

Why Choose LAMBDA Laboratory Peristaltic Pumps?

- **Innovative Roller Design:** Instead of small rollers, LAMBDA pumps use **large-diameter bearings with glass beads**, reducing pulsations, friction, and mechanical strain on the tubing. This leads to better pump performance.
- **Enhanced Tubing Durability:** Bearings glide smoothly over the tubing, eliminating the need for special fixation clamps or stoppers. This **extends tubing life** and maintains a **stable flow rate over the long term**.
- **Optimized Pump Head:** Engineered to **eliminate the need for tubing fixation clamps or costly tubing** with stoppers, ensuring seamless operation and significantly reducing the risk of tubing rupture.
- **Cost-Efficient:** The LAMBDA PRECIFLOW *touch* peristaltic pump **pays for itself after approximately 100 meters of tubing use**.



Experience the Next Level of Precision and Reliability with LAMBDA *touch* Peristaltic Pumps!

Compact and User-Friendly Design

Ultra-Compact: Only 10 cm x 11 cm x 9.5 (10.3) cm, fits in your hand and is stackable.

Touchscreen Interface: 3.5" TFT IPS touch display for intuitive operation and real-time monitoring.

Advanced Connectivity: USB connection enables remote control, dosing program management, liquid library updates, and software upgrades.

Unmatched Performance and Durability

5-Year Warranty on LAMBDA PRECIFLOW *touch* pumps

Flow Rates: From 0.009 ml/h to 60 l/h

Industry-Leading Compactness: The smallest peristaltic pump in its class

Extended Tubing Life & Low Pulsation: Reduced wear and tear for long-term efficiency

Economical & Low Maintenance: Compatible with affordable tubing, eliminating the need for stoppers

Precision Calibration: Digital speed or volume flow rate calibration

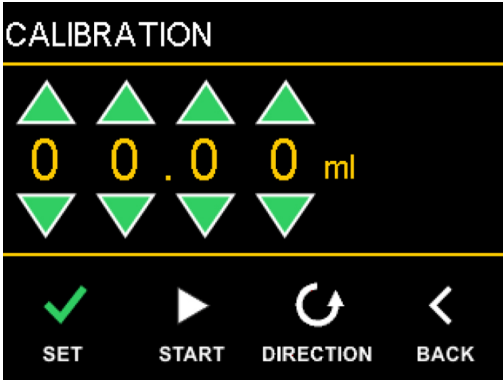
Versatile Applications

LAMBDA PRECIFLOW, HIFLOW, MAXIFLOW, and MEGAFLOW *touch* laboratory peristaltic pumps function as stand-alone laboratory instruments or seamlessly integrate as remote-controlled peripheral devices.

Advanced Features for Precision and Efficiency

FLOW RATE CALIBRATION

Supports multiple tubing diameters with **built-in calibration assistance** for precise flow control.



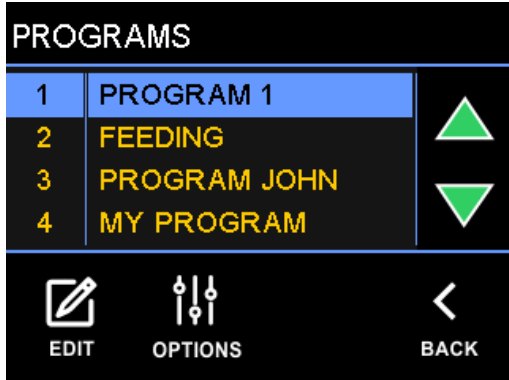
LIQUID NAME LIBRARY

Customize liquid names on the pump's display, eliminating the need for taped labels.



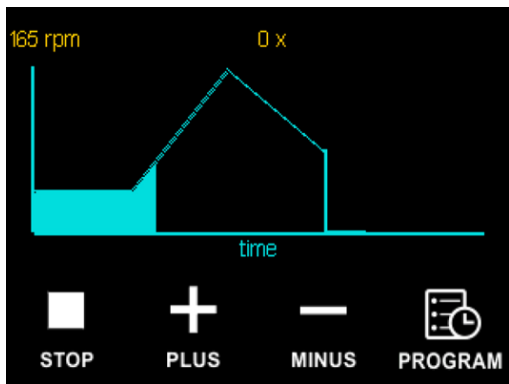
PROGRAMMABLE DOSING

Up to **20 dosing programs** can be stored and managed directly on the touchscreen or via software.



REAL-TIME VISUALISATION

The overview screen provides clear insights into pump status, liquid name, tubing details.



Technical Specifications

	PRECIFLOW <i>touch</i>	HIFLOW <i>touch</i>	MAXIFLOW <i>touch</i>	MEGAFLOW <i>touch</i>
Type:	Microprocessor-controlled programmable laboratory peristaltic pump			
Accuracy:	± 5%			
Digital Speed:	0–1000 rpm	0–2800 rpm	0–3200 rpm	0–3200 rpm
	in 1 rpm steps			
Flow rate:	up to 600 ml/h	up to 3 l/h	up to 10 l/h	up to 60 l/h
	in 0.1 ml/min / 0.1 ml/h steps			
Tubing type:	Silicone tubing or other materials having similar elasticity			
	Approx. 1mm wall thickness			Approx. 2mm wall thickness
Internal memory:	Up to 20 dosing programs & up to 32 fluid names			
Operating pressure:	Approx. 1.5 bar in clockwise direction; Approx 2.0 bar in counter-clockwise rotation			
Motor:	Hybrid Stepper	BLDC 30W	BLDC 50W	BLDC 90W
Gear ratio:	100:1	64:1	20:1	20:1
Interface (remote control):	USB 1.1/2.0 & REMOTE (CAN BUS), RS-485 interface			
	0-10 V; 0-20 or 4-20 mA; ON/OFF control; foot switch control			
Display:	3.5" TFT IPS with 320 x 240 pixels resolution			
	Viewing angles ± 70°			
Conformity:	DIRECTIVE: 2014/35/EU; DIRECTIVE 2014/30/EU			
Technical Standards:	EN 61010-1:2010/A1:2019/AC:2019-04 EN 61326-1:2013			
Weight:	< 1 kg	1.2 kg	1.2 kg	2.5 kg
Dimensions (W x H x D):	104.4 x 110 x 95 (103.3) mm			180 x 127 x 160 (169.5) mm
Operating temperature:	0–40 °C			
Operating humidity:	0–90%, not condensing			
Power supply:	Plug-in power adapter 90–240V AC 50/60 Hz, barrel jack 5.5/2.1mm			
	12W 12V / 1A	30W 12V / 2.5A	50W 12V / 4.16A	90W 12V / 7.5A
Warranty:	5 years	2 years		