



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

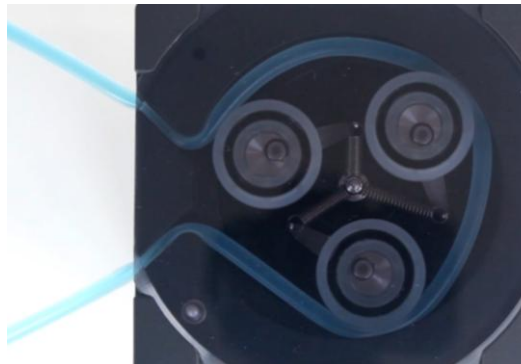
Traditional peristaltic pumps often suffer from issues such as:

- 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

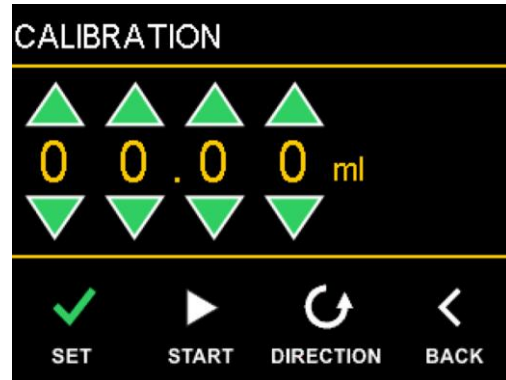
Versatile Applications

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.



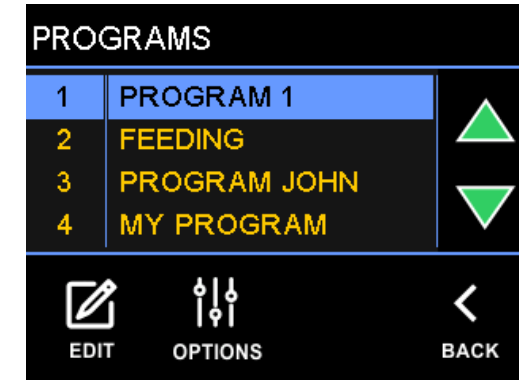
LIQUID NAME LIBRARY

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



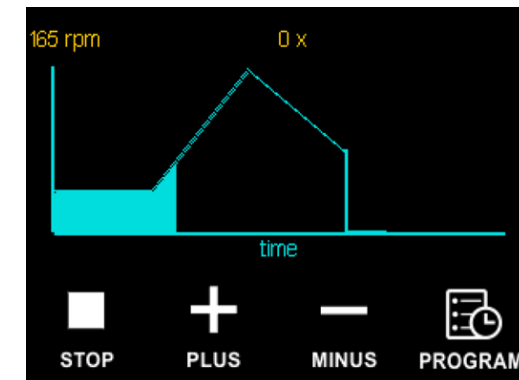
PROGRAMMABLE DOSING

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, and more.



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
	with 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; 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 5.5/2.1			
	12W 12V / 1A	30W 12V / 2.5A	50W 12V / 4.16A	90W 12V / 7.5A
Warranty:	5 years	2 years		