

LAMBDA Laboratory Peristaltic Pumps



LAMBDA PRECIFLOW, MULTIFLOW, HIFLOW, MAXIFLOW and MEGAFLOW laboratory peristaltic pumps are specially designed for long term continuous processes with flow rates from 0.2 $\mu\text{l}/\text{min}$ to 60'000 ml/hour. High precision, reproducible and long term stable flow rates are achieved with the quartz driven motor and unique tubing compression technique in the large pump head.



Reliable

The pump's unique compression mechanism reduces mechanical strain on the tubing and assures stable flow rates for weeks



Small footprint

The stackable and extremely compact peristaltic pump saves valuable bench-space in your laboratory



Economic & easy to use

LAMBDA peristaltic pumps do not have complicated heads and drives, making them easy to set-up and use even with low cost tubing

Precise and reproducible flow rates
Programmable flow rate profile: 0 - 99 steps of speed and time setting
Flow rate can be varied with the ratio of 1:1000
Long tubing life
Clockwise and anti-clockwise operation
RS-232 or RS-485 interface
Foot switch
PC remote control software, PNet

The LAMBDA Peristaltic Pump Family

 <p>PRECIFLOW</p> <p>0.2 µl/min - 600 ml/h 5 year warranty</p>	 <p>MULTIFLOW</p> <p>0.2 µl/min - 600 ml/h Programmable 5 year warranty</p>	 <p>HIFLOW</p> <p>1 µl/min - 3'000 ml/h Programmable 2 year warranty</p>	 <p>MAXIFLOW</p> <p>3 µl/min - 10'000 ml/h Programmable 2 year warranty</p>	 <p>MEGAFLOW</p> <p>0.02 ml/min - 60 l/h Programmable 2 year warranty</p>
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Technical specifications

<i>Type</i>	Microprocessor-controlled programmable laboratory peristaltic pump
<i>Programming</i>	up to 99 steps of speed and time
<i>Time resolution</i>	0 to 999 minutes in 1 minute steps 0 to 99.9 minutes in 0.1 minute steps
<i>Accuracy</i>	± 1%
<i>Reproducibility</i>	± 0.2 % (electronics)
<i>Tubing</i>	Silicone tubing or other materials having similar elasticity;
<i>Non-volatile memory</i>	storage of all settings
<i>Maximum pressure</i>	approx. 0.1 MPa (1 bar) in clockwise rotation; approx. 0.15 MPa (1.5 bar) in counter-clockwise rotation
<i>Motor</i>	microprocessor controlled stepping motor [<i>PRECIFLOW & MULTIFLOW</i>]; brushless long life BLDC motor with neodymium magnets [<i>HIFLOW, MAXIFLOW & MEGAFLOW</i>]
<i>Speed control range</i>	0 - 999
<i>Interface</i>	RS-485 or RS-232 (optional)
<i>Remote control</i>	0-10 V; (option 0-20 or 4-20 mA); foot switch; ON/OFF
<i>Dimensions</i>	10.5 (W) × 9.5 (H) × 10.5 (D) cm [<i>PRECIFLOW, MULTIFLOW, HIFLOW & MAXIFLOW</i>]; 18 (W) × 13 (H) × 16 (D) cm [<i>MEGAFLOW</i>]
<i>Safety</i>	CE, meets IEC 1010/1 norm for laboratory instrument
<i>Operation temperature</i>	0 – 40 °C
<i>Operation humidity</i>	0-90% RH, not condensing

For quotations, prices and further questions, contact us at: info@fineflowtech.com