

# 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><b>PRECIFLOW</b></p> <p>0.2 µl/min - 600 ml/h 5 year warranty</p>	 <p><b>MULTIFLOW</b></p> <p>0.2 µl/min - 600 ml/h Programmable 5 year warranty</p>	 <p><b>HIFLOW</b></p> <p>1 µl/min - 3'000 ml/h Programmable 2 year warranty</p>	 <p><b>MAXIFLOW</b></p> <p>3 µl/min - 10'000 ml/h Programmable 2 year warranty</p>	 <p><b>MEGAFLOW</b></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 &amp; MULTIFLOW</i> ]; brushless long life BLDC motor with neodymium magnets [ <i>HIFLOW, MAXIFLOW &amp; 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 &amp; 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: [support@lambda-instruments.com](mailto:support@lambda-instruments.com)