

# LAMBDA MEGAFLOW Peristaltic Pump

Flow rate: 0.02 ml/min – 60'000 ml/h



MEGAFLOW is a specially designed laboratory peristaltic pump for long term continuous processes with increased flow rates of up to 60'000 ml/hour. High precision, reproducible and long term stable flow rates are achieved with the quartz driven BLDC 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*

*PC remote control software, PNet*

## Technical specifications

<i>Type</i>	LAMBDA MEGAFLOW - microprocessor-controlled programmable 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; inner tubing diameter from 1 to 8 mm and tubing wall thickness of approx. 2 mm
<i>Flow rate range</i>	
<i>Minimum</i>	0.02 ml/min with 1 mm inner tubing diameter
<i>Maximum</i>	60'000 ml/hour with 8 mm inner tubing diameter
<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 brushless long life BLDC motor with neodymium magnets
<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>Power supply</i>	90–240 V/50–60 Hz AC plug-in power supply with DC 12V/50W output; possible field operation on 12 V accumulator
<i>Dimensions</i>	18 (W) x 13 (H) x 16 (D) cm
<i>Weight</i>	2.5 kg
<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
<i>Warranty</i>	2 years

## The LAMBDA Peristaltic Pump Family

			
<b>PRECIFLOW</b> 0.2 µl/min - 600 ml/h 5 years warranty	<b>MULTIFLOW</b> 0.2 µl/min - 600 ml/h, programmable 5 years warranty	<b>HIFLOW</b> 1 µl/min - 3'000 ml/h, programmable 2 years warranty	<b>MAXIFLOW</b> 3 µl/min - 10'000 ml/h, programmable 2 years warranty

For quotations, prices and further questions, contact us at: [support@lambda-instruments.com](mailto:support@lambda-instruments.com)