



Peristaltic pump saves more money than it costs

[LAMBDA Laboratory Instruments](#) has introduced a new peristaltic pump, the MAXIFLOW. This pump extends the product range of the high quality [LAMBDA peristaltic pumps](#): The PRECIFLOW, MULTIFLOW and HiFLOW, which have been specially developed for long term continuous processes like those used in fermentation and cell culture. LAMBDA's unique tubing compressing mechanics reduces pulsation and is very gentle to the tubing. This leads to a long tubing life and the long term stability of flow rates even with low cost tubing. The tubing economy is such that the cost of the peristaltic pump is paid back after the use of only 80m of tubing. Thus, this is the only pump on the market, which saves more money than it costs!



The MAXIFLOW peristaltic pump with its flow rate up to 10 l per hour is several times more compact than other similar pumps on the market. Despite this high flow rate the LAMBDA pumps are so handy that they can be easily held in just one hand and only take up minimal space in any installation. LAMBDA peristaltic pumps are programmable with extensive remote control possibilities and have an extremely broad digital flow rate setting in the range from 1 to 1000.

LAMBDA peristaltic pumps are used wherever a reliable, precise and long term stable operation is required - for example in continuous processes as is often the case in many biotechnology applications, fermentation, cell cultures, chromatography and the like. Therefore, they are also used together with the [laboratory fermenter/bioreactor system LAMBDA MINIFOR](#).

A real breakthrough in the utilization of these pumps is provided by the [pump-flow INTEGRATOR](#), which can be further complemented by the PC control software PNet. This allows the pumps to be used for new applications, where special, expensive instruments had to be used before. It is possible to use the pumps to create gradients, follow the kinetics of chemical or biological processes and to measure the growth rates and the extent of growth of cultures in biotechnology. The LAMBDA pumps, together with the polyvalent and easy-to-use [LAMBDA OMNICOLL fraction collector](#), are also very well suited for chromatography.

The utilization of the new PNet software is not only limited to the LAMBDA peristaltic pumps or [LAMBDA VIT-VIT syringe pumps](#) for liquids, but can also be used for the [dosing of solid powdery substances with the LAMBDA DOSER](#), a unique pump for the precise dosing of solid and crystalline substances, or for the measurement and control of the mass flow of gases with the [LAMBDA MASSFLOW controller](#). This is essential for automatic pH control during cell cultures with the [LAMBDA MINIFOR laboratory fermentation and cell culture system](#) or other existing fermentor systems.

LAMBDA develops innovative, high quality laboratory instruments with an excellent price to performance ratio: laboratory fermenters, fermentors, bioreactors for cell culture, peristaltic pumps, tubing pumps, infusion pumps, syringe pumps, fraction collectors, samplers, powder dosing instruments, mass flow gas controllers and fermentation software for biotechnology, microbiology, food and agricultural, chemical and pharmaceutical research and development as well as for general laboratory and research applications and for educational purposes.

LAMBDA Laboratory Instruments has over 30 years of experience in the development of laboratory instruments. Our mission is to invent, develop and supply high quality laboratory instruments with interesting properties and innovative concepts.

LAMBDA Laboratory Instruments – where innovation keeps quality high and prices low