

FOR IMMEDIATE RELEASE

## New Products

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### Small Footprint Accessory Feed Pump

The FP-101 is an accessory feed pump used for applications such as automated bioreactor feedback control, continuous set point control or manual feed additions. The FP-101 has an 114DV flip top four-roller pump head, making tubing installation convenient and easy. The small footprint pump (3.7" x 6.3" x 4.7") is ideal for already crowded benchtops. Tubing compatibility range is 1.6mm wall tubing, with internal diameter of 0.5mm to 4.8mm. The FP-101 can support flow rates of .10mL/min to 150mL/min. Flow rate can be regulated manually with the speed control dial or with the 0-5v remote input, also includes push button for instant speed increase for line priming.



The FP-101 can be used with our Seg-Flow® Automated Sampling System or standalone. When used with our Seg-Flow® 4800, up to 16 separate feed pumps can be controlled

### Flow-Reader™: A Flow Meter enabling self-calibrating pumps

The Flow-Reader™ is a flow meter featuring a disposable fluid path for low flowrate bioprocess applications.



The Flow-Reader™ uses our patent pending dual fluid sensor technology to accurately measure flow rates. Flowrates from .01 ml/min to 10 ml/min can be measured. Calibration and recalibration of pumps during your process is no longer required. Using feedback from the Flow-Reader™, pumps will auto calibrate (based on user preference), eliminating the need and disruption of taking them off-line for manual calibration.

The Flow-Reader™ can be used with our FP-101 pumps or any pump that has a 0 to 10V input. Our gamma radiated Flow-Reader™ disposable tubing can be welded directly into your fluid path.

## Perfusion Control

The PMR controller featuring patent pending dual fluid sensor technology offers the ideal control solution for your perfusion process. Addition and Removal pumps are housed together in one main unit along with two Dual Fluid Sensor Flow Meters. The Dual Fluid Sensor Flow Meter is used to auto-calibrate the media addition and filtrate removal pumps at user defined intervals. Multiple units can be controlled by one SCADA PC to provide increased ease of parallel perfusion control. The small footprint PMR Controller eliminates the need for bulky scales prone to environmental error. The system works with your existing perfusion set-up, Gamma radiated disposable tubing can be welded directly into your fluid path.



Flownamics® was founded in 1995 to address the growing needs of fermentation and bioreactor operators in the biotechnology industry. Our focus is to design high quality products that are easy to operate. Our products assist researchers in developing methods to optimize their fermentation or bioreactor process and are utilized in a variety of settings, including labs, pilot plants, and production environments. Flownamics® continues to be a creative company that develops new technologies to assist researchers in being more effective, productive, and confident in their work.

To learn more about the FP-101, the Flow-Reader Flow-Reader™, or PMR Controller please stop by our booth #623 at BPI Conference or visit our website [www.flownamics.com](http://www.flownamics.com)