

HIGH PRECISION FLOW CONTROL.

FluidFM® MICROFLUIDICS CONTROL SYSTEM



PRESSURE BASED FLOW CONTROL SYSTEM. Microfluidics controller and pump unit.

OPTIMIZED
FOR FluidFM®

INTEGRATED
PUMPS & RESERVOIRS

PRECISE
FL FLOW CONTROL

Precisely control liquid flow rates at the femtoliter scale. The FluidFM® microfluidics control system can be used to regulate liquid flow in microfluidics systems. Take control of your experiments with the FluidFM® microfluidics control system. Engineered with FluidFM® applications in mind.

PRECISION FROM ONE SOURCE.

The FluidFM® microfluidics control system is specifically designed to meet the requirements of even the most demanding FluidFM® application. Sophisticated engineering and functional product layout are unified at their best. Separated pumping and control units as well as a combined pneumatic/electrical cable are conjoined into a functionally designed device.

The FluidFM® microfluidics control system offers great flexibility when setting up the instrument in order to keep your workspace organized. Thanks to the unique oneLink cable, the large and noisier pump unit can be installed away from your experiments while the control unit can be conveniently placed on your lab bench.



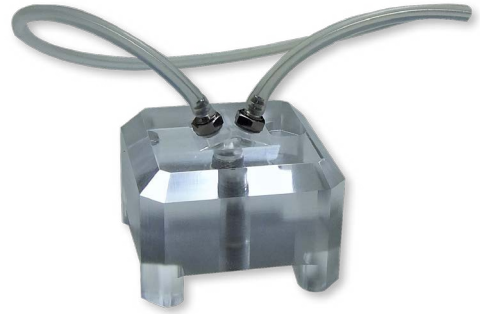
SLEEK INTERFACE. Pneumatic quick couplings & analog Inputs/Outputs. Clearly arranged.



ONELINK CABLE. Pneumatic and electric cable. All in one.

PERFORMANCE SPECIFICATIONS.

available pressure ranges	- 800 to 1000 mbar, or ± 200 mbar
pressure resolution	0.05% of full range
pressure precision	better than 0.1% of full range
pressure stability	better than 0.1% of full range
power consumption	< 32W
optional accessory	liquid trap



LIQUID TRAP. Recommended accessory to protect your instrument from accidental liquid damages.

LOW-NOISE, ACCURATE, STABLE.

The **FluidFM®** microfluidics control system is designed to minimize potentially disturbing vibrations during your experiment. Thanks to the integrated pumps and reservoirs, the pressure generation unit is only activated as needed. Sophisticated pumping control algorithms make sure your experiment stays undisturbed when it matters most without sacrificing on performance.

An advanced, integrated pressure circuit made completely from rigid material permits fast, accurate and stable pressure actuation. Together with the integrated release valves, the system offers unparalleled switching capabilities over the full pressure range. All in a single channel.



PRECISION FROM ONE SOURCE. The **FluidFM®** microfluidics control system perfectly integrates with our complete range of **FluidFM®** products.

CONTACT US.

We offer complete support for our customers and distributors. Please visit the Cytosurge Help Center in order to access the **FluidFM®** user community. www.fluidfm.com

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