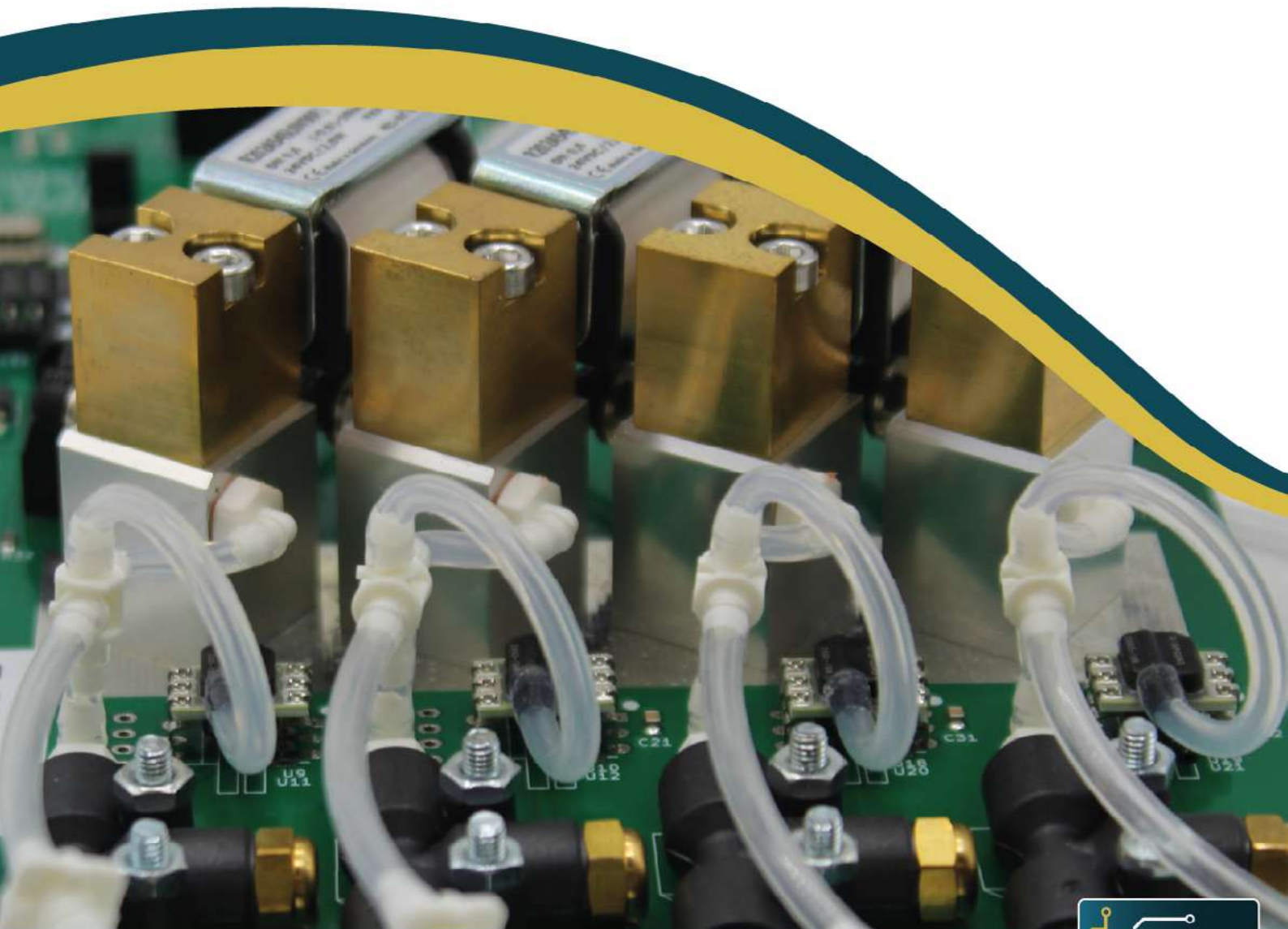


UNLOCKING HIGH-PRECISION FLUID HANDLING



Microfluidics leader in accurate liquid control and automation for manufacturers from the life sciences to diagnostics fields.



Success of your project can be compromised by a poor flow performance, lack of automation, control capabilities, and high product failure rate, as well as its timeline and cost.

Fluigent Industrial takes advantage of its pressure-based flow control expertise and proprietary technologies to address these issues by combining versatile, cost-effective, and customizable OEM products and systems.

PRESSURE CONTROLLERS FOR LIQUIDS

Discover our OEM pressure-based flow controllers. With ranges going down **7 bar to -800 mbar**, choose the right solution for your application and we will adapt our offer for you. Might you decide to prioritize compactness or response time for your system, we guarantee **0.1% FS pressure stability and 0.25% FS accuracy** on our modules.



Pressure Controller [PX]

All-in-one modular flow control platform [F-OEM]



Tailor-made microfluidic flow management unit [P-OEM]

MICROFLUIDIC COMPONENTS

Build your complete microfluidic system with our integrable modules and automate your fluid management.

Flow sensors

Precisely monitor your flow rates using our range of flow sensors. Flow sensors are directly recognized by Fluigent systems for starting experiments right away.



Valves

Our range of microfluidic valves is suited for all types of microfluidic protocols, from recirculation to perfusion and sampling. They are easily integrated into any system and allow for complete automation.



Pressure source

Pressurize your system using our seamlessly integrative standalone pressure sources.



BENEFIT FROM OUR CORE TECHNOLOGY

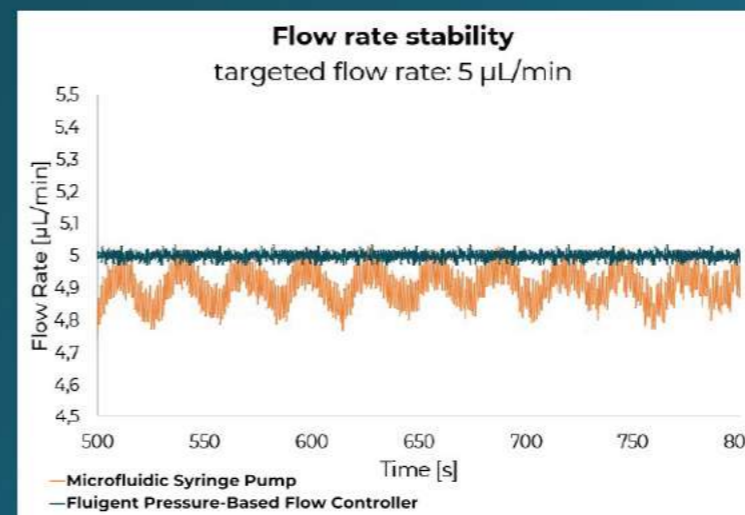
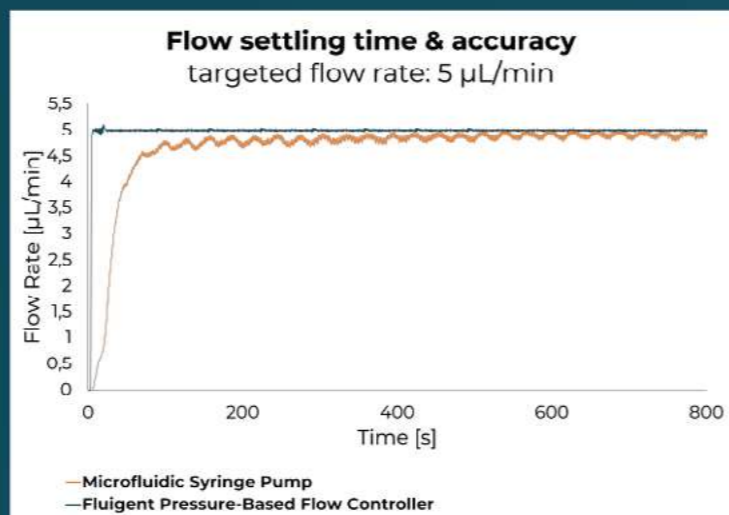
Unmatched performance

- Pulsefree flow
- Highly precise flowrates (0.25% FS)
- Improved response time (<30 ms)
- Direct flow control with flow sensor combination

Cost-effective solutions

- Continuous adjustments of algorithm parameters
- Complete automation capabilities
- Delivery of multiple fluids with minimum devices
- Use of large reservoirs with no constant refills needed

Pressure based flow control enables a new era in liquid handling systems. Compared to traditional flow management systems, they ensure highly stable and accurate flowrates with enhanced response and settling times.



FROM IDEA TO PRODUCTION: FULLY CUSTOM DEVICE

BENEFIT FROM OUR SKILLS AND EXPERTISE



Pneumatic expertise



Microfluidic expertise



Algorithm development



Software & electronic OEM systems engineering



Design & prototyping



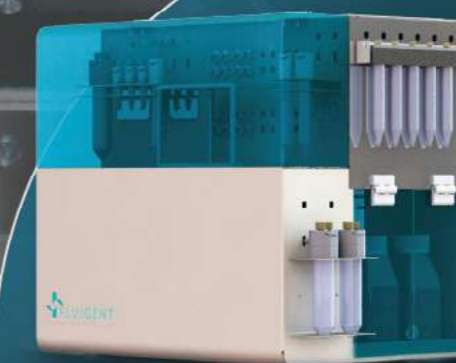
Industrialization & production



Quality control and procedures

Fluigent brings the vision of your device to life. From a simple personalization of our automated sequential injection system **to a full system customization**, we will support you throughout the process. Whether you're a start-up or a larger organization, we can drive your microfluidic project from conception to design and manufacturing.

By partnering with us, you'll benefit from Fluigent's portfolio of products and technologies. Partner with us to accelerate your product time to market.



CONCEPT DESIGN FLUIGENT

FLUIGENT, YOUR MICROFLUIDICS PARTNER

Fluigent is an international company that develops, manufactures, and supports the most advanced fluid control systems available for microfluidics. Our products allow users to control, automate, and precisely perform experiments with ease and unmatched results.



Innovation-oriented team.

Over the past 15 years, we've provided more than 1,500 microfluidic OEM modules and systems to more than 65 OEM/industrial customers worldwide.



Customer success-driven company.

Our R&D team represents more than 30% of the company, developing devices and systems for a large variety of applications.



Adaptable to your needs.

Benefitting from our 20 patents, we developed and manufactured more than 15 different fully integrated custom systems. Our solutions, shipped internationally, are all internally produced in our french facility.

MICROFLUIDIC FUNCTIONALITIES



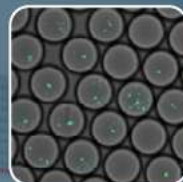
SEQUENTIAL INJECTION



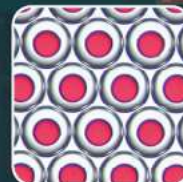
DILUTION



RECIRCULATION



ENCAPSULATION



DROPLETS MICROFLUIDICS

+ Additional Functionalities: Heater, Shaker, Pipetting Robot, ...

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