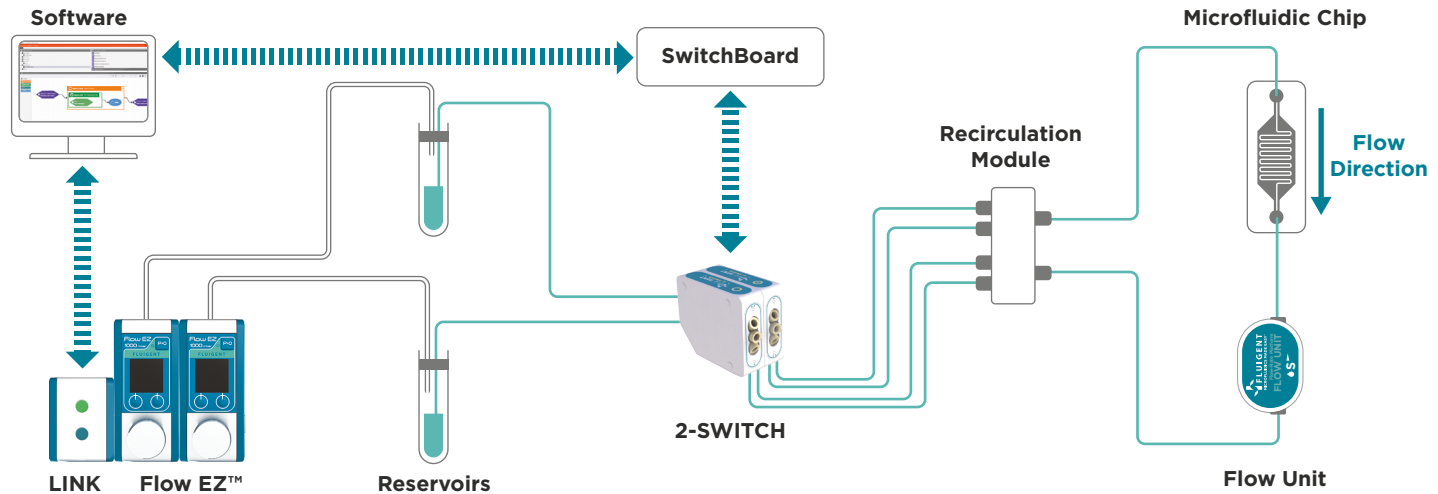


# FLUID RECIRCULATION

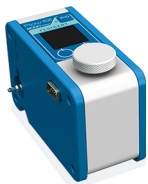


In this application, two Flow EZ™ are connected to two reservoirs containing the fluid to recirculate. The recirculation module is designed to guarantee a unidirectional flow inside the microfluidic chip/flow cell. The Microfluidic Automation Tool (Software) controls the flow rate of inside the perfusion system and automates the recirculation between the two reservoirs.

Long-term closed  
circulation

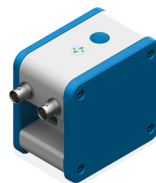
Controlled  
shear stress  
and flow rates

# Required Products



## Flow EZ™

The Flow EZ™ is the most advanced flow controller.



## LINK

The LINK is designed to connect Flow EZ™ module to a PC.



## 2-SWITCH

The 2-SWITCH is a versatile fluid handling valve for directing fluid flow that can be automated using Fluigent software.



## Flow Unit

The Flow Unit is a high-precision individual flow sensor used for direct flow control.



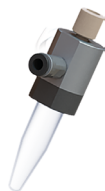
## MAT

The Microfluidic Automation Tool allows an easy design of time-based protocols for completely automated experiments.



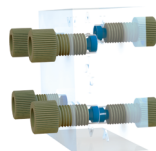
## SwitchBoard

The SwitchBoard is a communication hub between the connected valves and the PC. It also powers the valves.



## P-Cap

The P-Cap is an air-tight metal cap that allows for pressurization of standard lab tubes for microfluidic fluid delivery.



## Recirculation Module

The recirculation module, associated with the 2-SWITCH, allows fluid recirculation.