

CORNING

The future flows through
Corning® Advanced-Flow™ Reactors

Lab Reactor System 2



Lab Reactor System 2

Stepping into flow chemistry

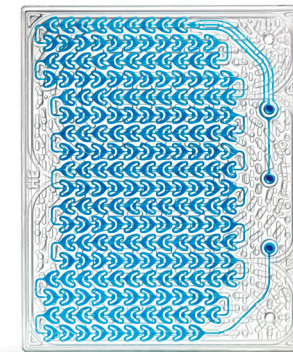
Lab Dosing Unit

- Plug and play system
- High chemical durability due to full metal free system
- Up to 4 liquid lines including one high precision syringe pump
- 1 gas line with pressure sensor
- Thermostat for reaction temperature control included
- Easy to use touch screen control interface
- Real time data monitoring & recording. Data transfer (Ethernet)

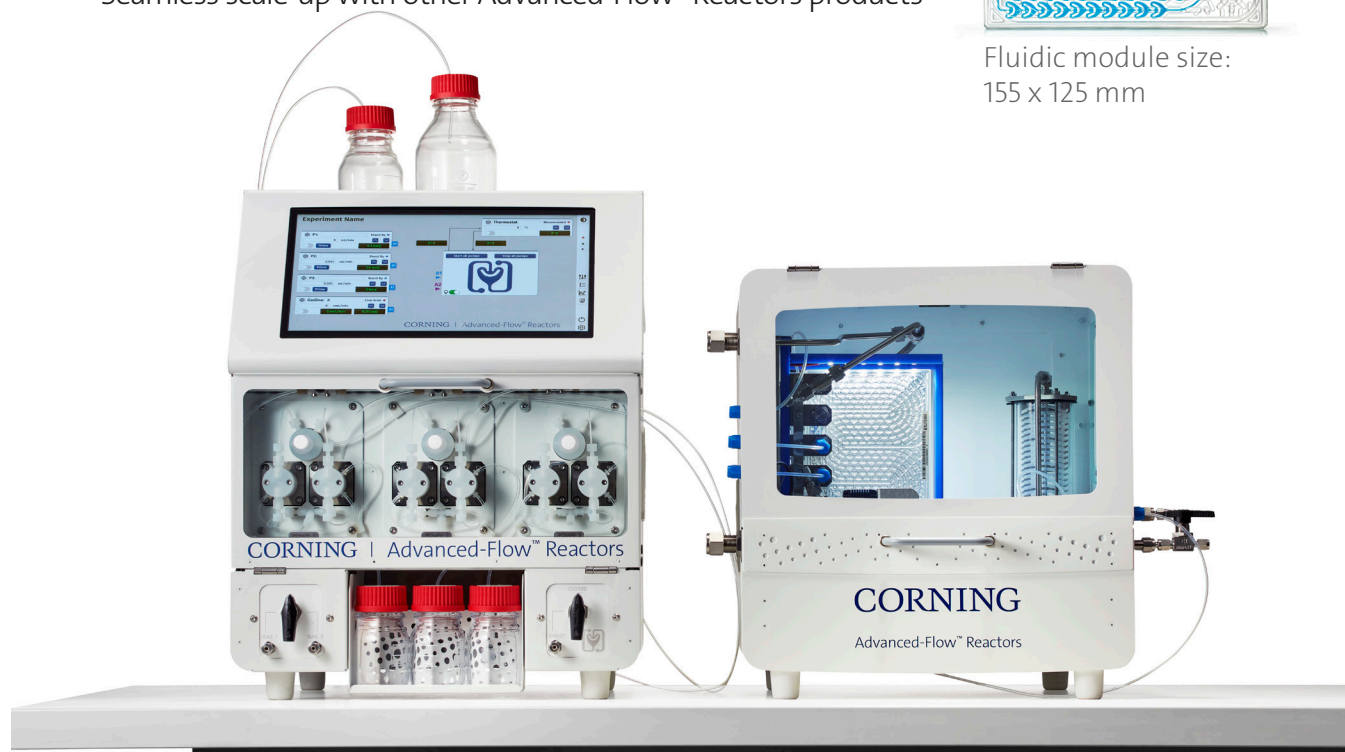


Lab Reactor Unit

- Outstanding mixing & heat exchange: featuring company's HEART-cell design
- Up to 2 fluidic modules
- Optional cooling coil
- Back pressure regulator for pressure control
- Camera integrated
- Seamless scale-up with other Advanced-Flow™ Reactors products



Fluidic module size:
155 x 125 mm



Technical Specifications

FLOW RATE	TEMPERATURE	PRESSURE	WETTED MATERIALS	INTERNAL VOLUME
2 to 20 ml/min*	-40 °C to 200 °C*	Up to 18 barg	Glass PFA / PTFE Perfluoroelastomer	2.7 ml per fluidic module
* Limited by pressure drop	* Depends on thermostat			

Lab Photo Reactor Unit

- LED panel control through dosing module touch screen interface
- Tunable LED irradiation source, with 6 different wavelengths
- High intensity LED lighting
- Efficient light penetration with both sides of glass fluidic module illuminated
- Extended LED efficiency and lifetime due to active liquid cooling
- Back pressure regulator for pressure control
- Seamless scale-up with other higher throughput G1 and G3 photoreactors products



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