

CORNING

The future flows through
Corning® Advanced-Flow™ Reactors

Lab Reactor

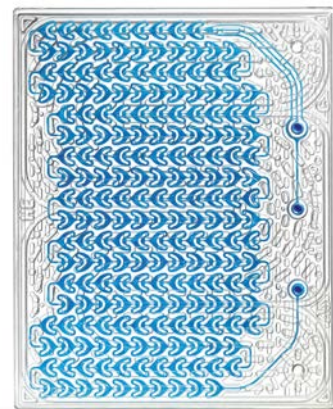


Lab Reactor

Stepping into flow chemistry

Features

- Plug and play open system including data monitoring
- Ready to start, with thermostat integrated
- Up to 3 liquid lines, 1 gas line and a back pressure regulator for pressure control
- High chemical durability due to a full metal free system
- Outstanding mixing and heat exchange with patented HEART design
- Low internal volume
- Seamless scale-up with other Advanced-Flow™ Reactor products



Fluidic module size:
155 x 125 mm

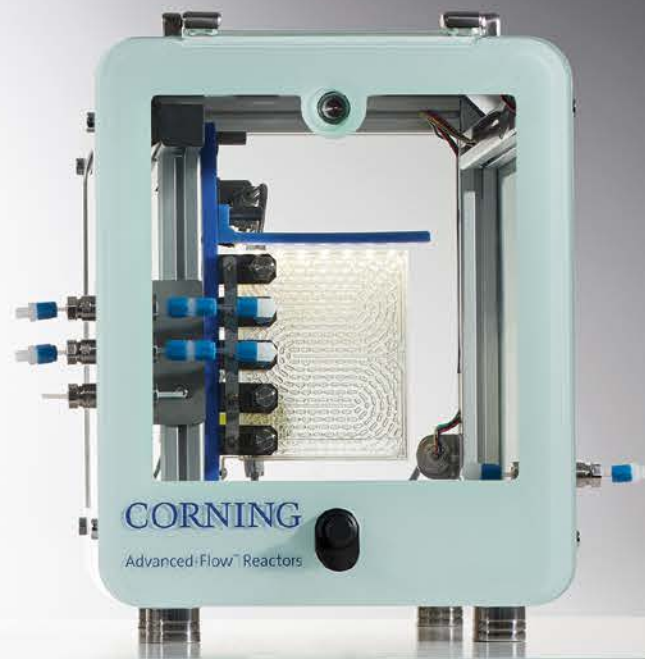


Mass Transfer 100 x better *

Heat Transfer 1000 x better *



Size:
45 x 48 x 52 cm
(L x W x H)



Size:
40 x 38 x 45 cm
(L x W x H)

Technical Specifications

FLOW RATE	TEMPERATURE	PRESSURE	MATERIALS	FLUIDIC MODULE	OPTIONS
2 to 10 ml/min	-40°C to 200°C	Up to 18 barg	Glass PFA / PTFE Perfluoroelastomer	2.7 ml internal volume	3 rd liquid dosing line 2 nd glass fluidic module Lab Photo Reactor module

Reaction Volume 1000 x lower *

Residence Time Distribution 50 x better *

* compared to batch reactors

Lab Photo Reactor Option

- Compatible with the Lab Reactor system
- Tunable LED irradiation source, with 6 different wavelengths
- LED lighting intensity higher than 100 mW/cm²
- Efficient light penetration with both sides of glass fluidic module illuminated
- Extended LED lifetime due to efficient liquid cooling
- Wireless control of wavelength selection and intensity



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