

## 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/cm<sup>2</sup>
- 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

# CORNING

## The future flows through Corning® Advanced-Flow™ Reactors

## Lab Reactor



# CORNING

EMEA and NSA

Corning S.A.S.  
Reactor Technologies  
7 bis Avenue de Valvins  
CS 70156 Samois sur Seine  
77215 Avon Cedex, FRANCE  
ph. +33 1 64 69 71 07  
fax +33 1 64 69 70 59  
reactors@corning.com

CHINA

Corning China (Shanghai) RHQ  
No. 358 Lu Qiao Road  
Jinqiao Export Processing Zone, Pudong  
Shanghai 201206, CHINA  
ph. +86 21 22152888 \*1408  
fax +86 21 621522988  
reactor.asia@corning.com

INDIA

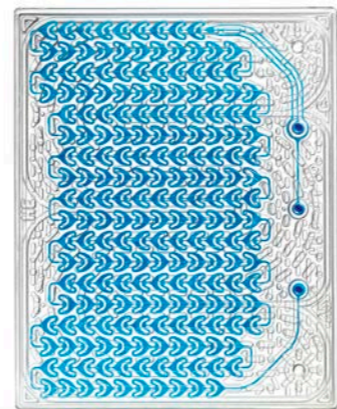
Corning Technologies India Pvt. Ltd.  
2nd floor, DLF Building 9B  
DLF Cyber City Phase III  
Gurgaon, Haryana 122002, INDIA  
ph. +91 124 4604000  
fax +91 124 4604099  
reactor.asia@corning.com

# 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



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 <sup>rd</sup> liquid dosing line 2 <sup>nd</sup> glass fluidic module Lab Photo Reactor module

Mass Transfer 100 x better \*

Heat Transfer 1000 x better \*

Reaction Volume 1000 x lower \*

Residence Time Distribution 50 x better \*

\* compared to batch reactors