

# CORNING

The future flows through  
Corning® Advanced-Flow™ Reactors

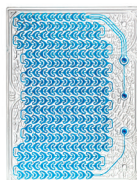
## Lab Reactor System 2 Stepping into flow chemistry

### 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 and heat exchange: patented HEART design
- Up to 2 fluidic modules
- Optional cooling coil
- Back pressure regulator for pressure control
- Camera integrated
- Seamless scale-up with other Advanced-Flow™ Reactor products



Fluidic module size:  
155 x 125 mm



Dosing Unit

Reactor Unit

Photo Reactor Unit

### 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

**Flow Rate**  
2 to 20 ml/min\*

\*Limited by  
pressure drop

**Temperature**  
-40°C to 200°C

\*Depends  
on thermostat

**Pressure**

Up to  
18  
barg

**Wetted Materials**

Glass  
PFA/PTFE  
Perfluoroelastomer

**Internal Volume**

2.7 ml  
internal  
volume

## **CONTACT:**

### EMEA and NSA

**Corning S.A.S.**  
**Reactor Technologies**  
7bis Avenue de Valvins  
CS 70156 Samois-sur-Seine  
77215 Avon Cedex  
France  
Email: reactors@corning.com

### CHINA

**Corning China (Shanghai) RHQ**  
No. 358 Lu Qiao Road  
Jinqiao Export Processing Zone, Pudong  
Shanghai 201206  
China  
Email: reactor.asia@corning.com

### INDIA

**Corning Technologies India Pvt. Ltd.**  
2nd Floor, Pioneer Square  
Sector 62, CRPF Road  
Near Golf Course Extension Road  
Gurugram, Haryana 122005  
India  
Email: reactor.asia@corning.com

[www.corning.com/reactors](http://www.corning.com/reactors)