CORNING

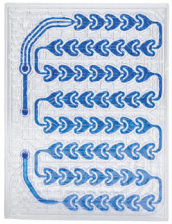
The future flows through

Corning® Advanced-Flow™ Reactors

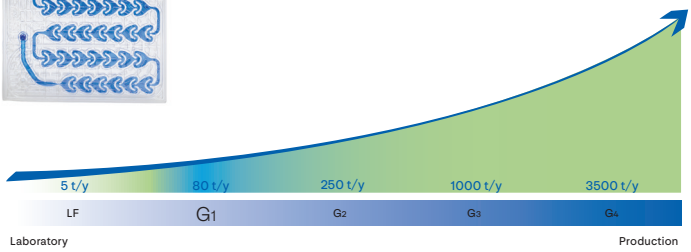
G1 Photo Reactor

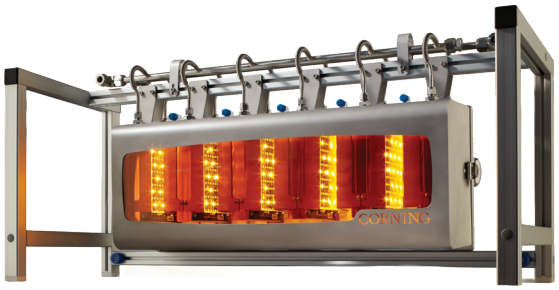
Process development and small production Photo Reactor

- Integration of a G1 glass reactor with a multiple wavelength LED lighting module
- Outstanding mixing and heat exchange: patented HEART design
- Small internal volume
- High residence time
- Highly flexible and multipurpose
- High chemical durability
- Mass transfer 100X better*
- Heat transfer 1000X better*
- Reaction Volume 1000X lower*
- Residence time distribution 50X better*



Fluidic module size:
155 x 125 mm





Reactor size:
92 x 42 x 40 cm
(L x W x H)

Lighting Module Features

- Tunable UV LED irradiation source available in multiple wavelength arrays
- LED lighting intensity higher than 100 mW/cm^2
- Efficient light penetration with both sides of glass fluidic modules illuminated
- Safe operation with low temperature UV lighting technology
- Extended LED lifetime due to efficient liquid cooling

Flow Rate	Temperature	Pressure	Materials	Fluidic Module	Options
10 to 200 ml/min	-60°C to 200°C	Up to 18 barg	Glass PFA Perfluoroelastomer	9 ml internal volume	FDA, cGMP compliance

** Compared to batch reactors.*

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