

G3 Photo Reactor for Industrial Production

- Shorter time to market *
- Low space requirement *
- Technical support from lab test to industrial startup

* compared to batch reactors

G3 Photo Reactor lighting features

- Monochromatic LED irradiation (different wavelengths available on demand)
- Efficient light penetration with both sides of fluidic modules illuminated
- Safe operation with low temperature lighting technology
- Extended LED lifetime due to efficient liquid cooling



CORNING

The future flows through Corning® Advanced-Flow™ Reactors

G3 Photo Reactor



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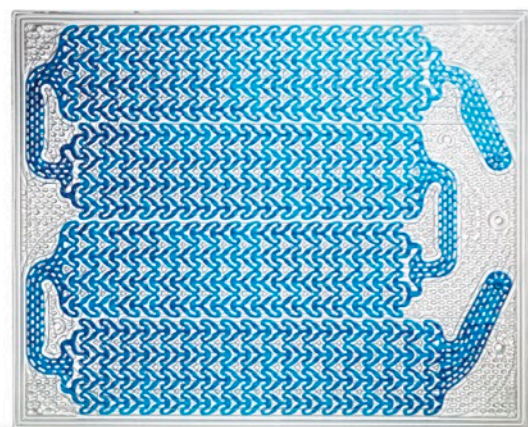
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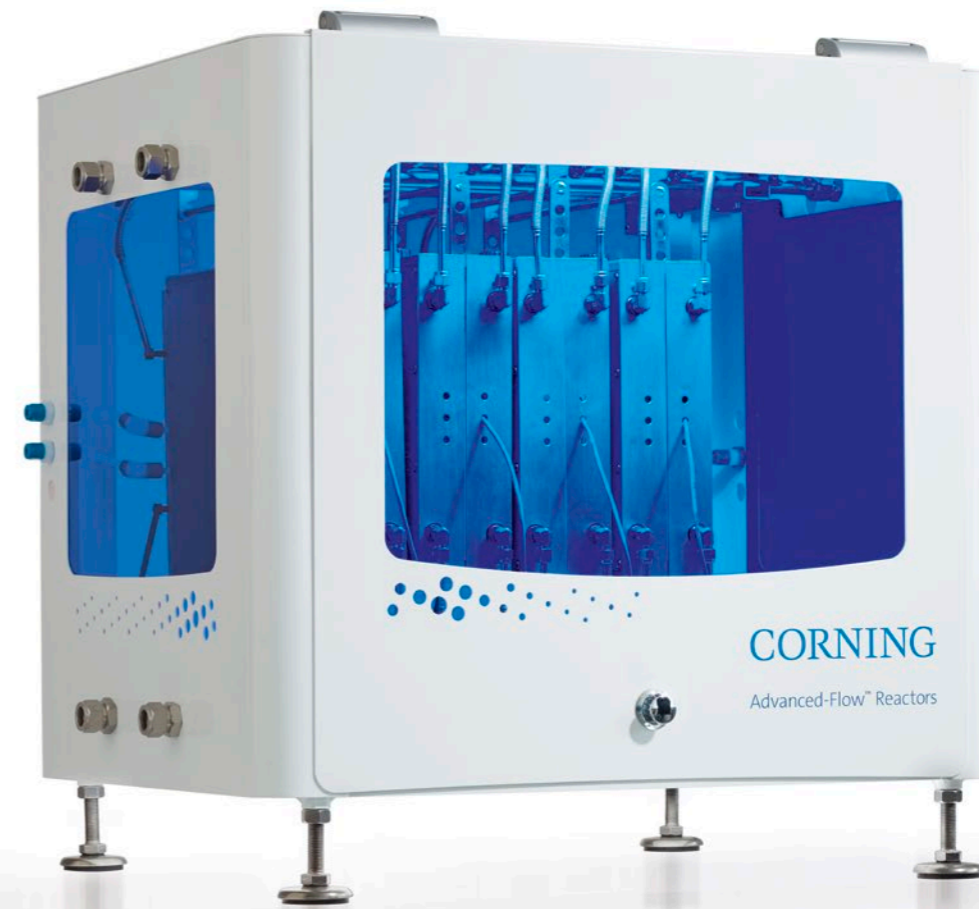
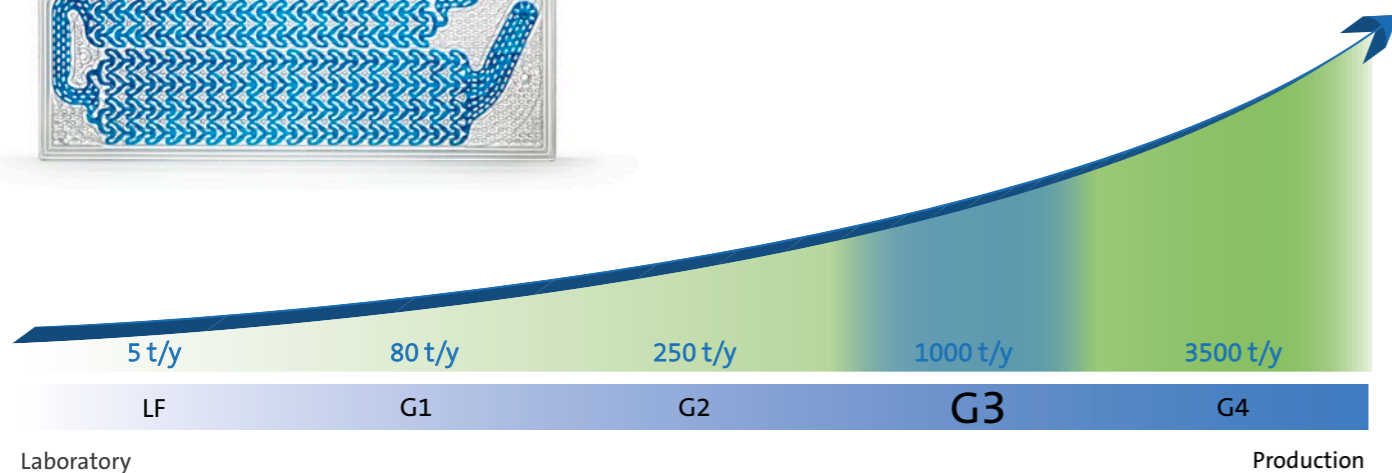
Production reactor

Features

- Designed for photochemistry with integrated LED lighting system
- Outstanding mixing and heat exchange: patented HEART design
- Large internal volume
- High residence time
- Highly flexible
- Seamless scale-up with other Advanced-Flow™ reactor products
- High chemical durability



Fluidic module size:
310 x 250 mm



Reactor size:
77 x 61 x 70 cm
(L x W x H)

Technical Specifications

FLOW RATE	TEMPERATURE	PRESSURE	MATERIALS	FLUIDIC MODULE	OPTIONS
400 to 2000 ml/min	-40°C / 100°C	Up to 18 barg	Glass PFA Perfluoroelastomer	60 ml internal volume	FDA, cGMP compliance

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