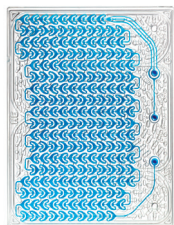


CORNING

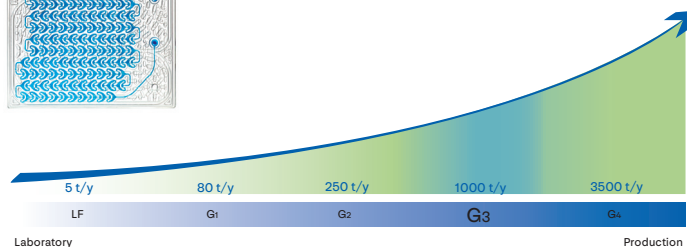
The future flows through
Corning® Advanced-Flow™ Reactors

G3 Photo Reactor - Production Reactor

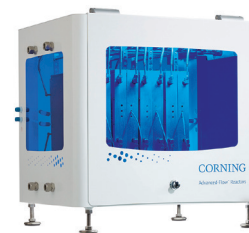
- Designed for photochemistry with integrated LED lighting system
- Outstanding mixing and heat exchange: patented HEART design
- Large internal volume
- High residence time
- Highly flexible
- Seamless scale-up with other Advanced-Flow™ Reactors products
- High chemical durability
- Mass transfer 100X better*
- Heat transfer 1000X better*
- Reaction volume 1000X lower*
- Residence time distribution 50X better*



Fluidic module size:
310 x 250 mm



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



Benefits and Features

G3 Photo Reactor for industrial production

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

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

Flow Rate

400
to
2000 ml/min

Temperature

-40°C / 100°C

Pressure

Up to
18
barg

Materials

Glass
PFA
Perfluoroelastomer

Fluidic Module

60 ml
internal
volume

Options

FDA,
cGMP
compliance

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