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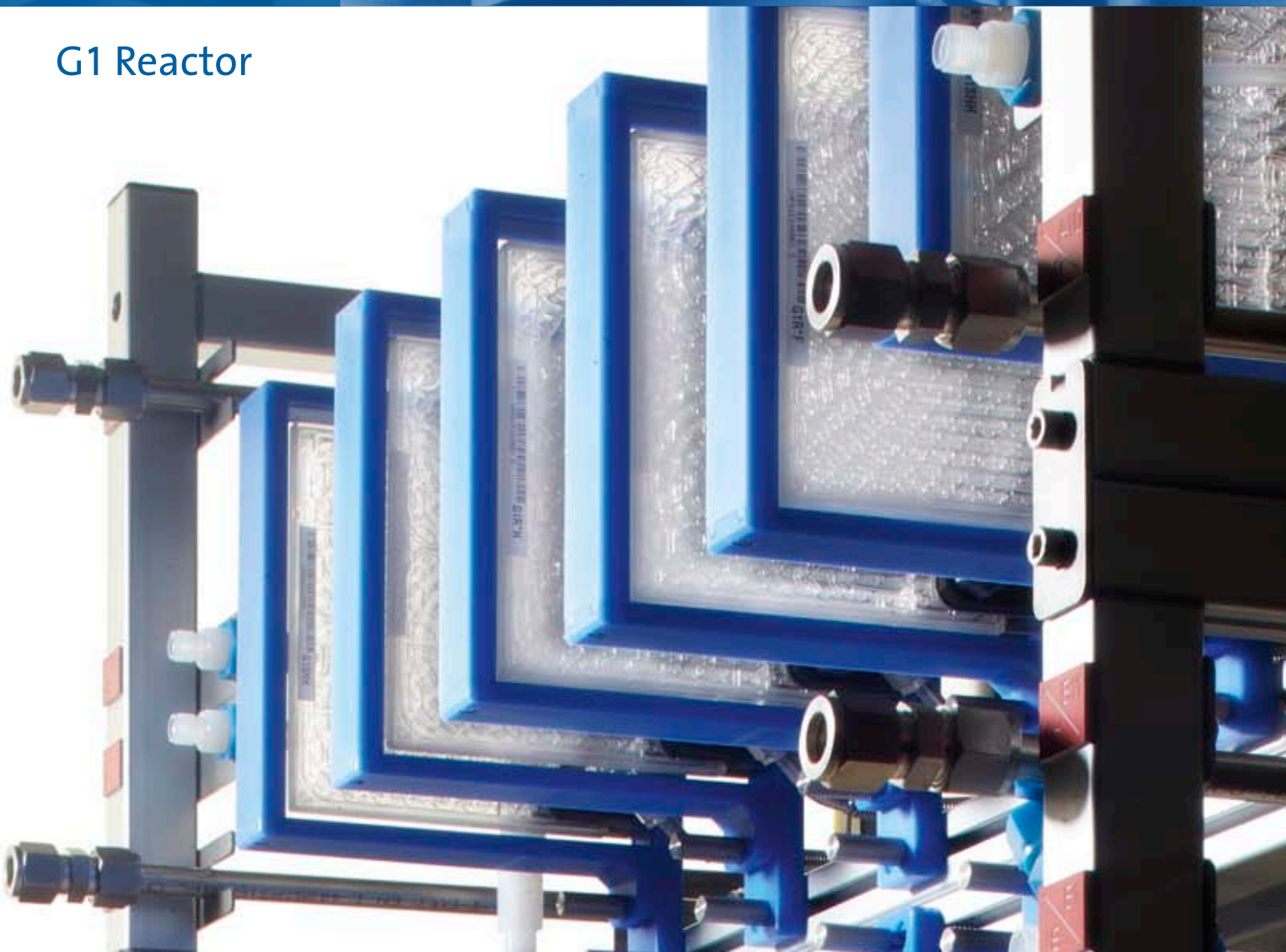
The future flows through

Corning® Advanced-Flow™ Reactors

G1 Reactor

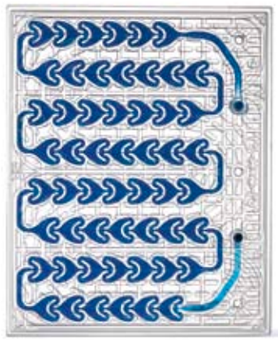


G1 Reactor

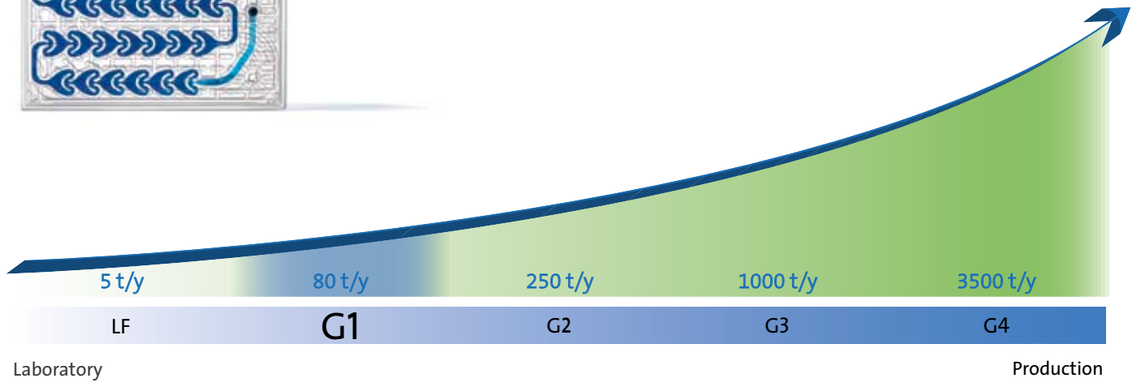
Process development and small production

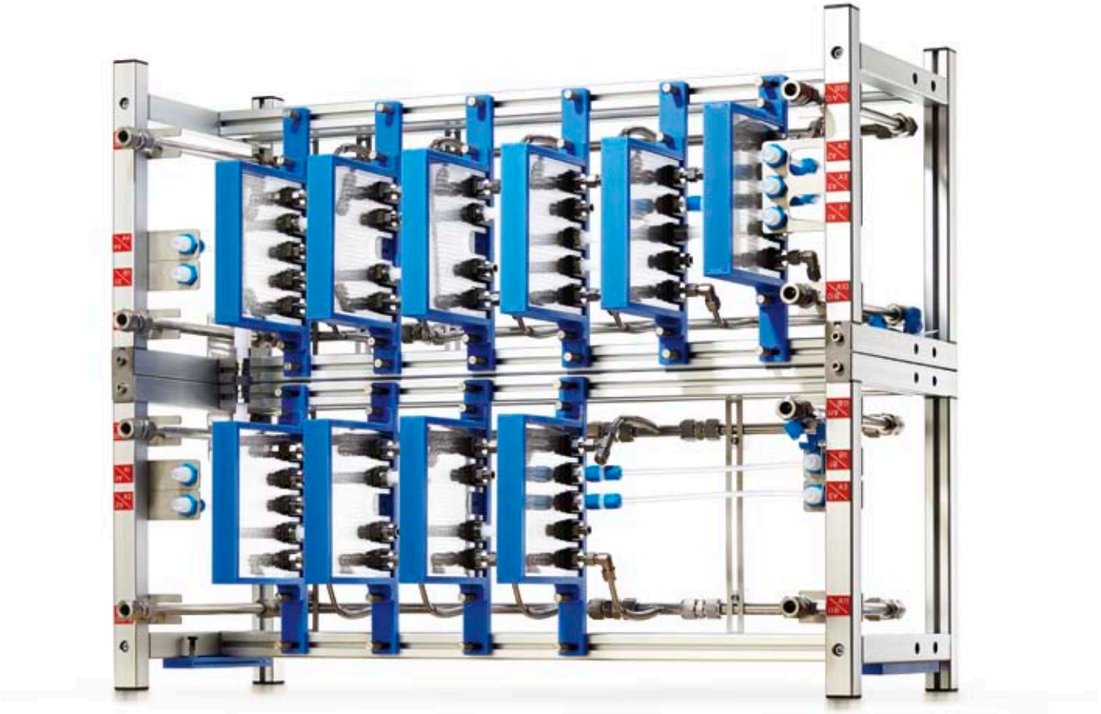
Features

- Outstanding mixing and heat exchange: patented HEART design
- Small internal volume
- High residence time
- Highly flexible and multipurpose
- High chemical durability
- Transparent and compatible with a light module for photochemistry
- Hybrid glass/SiC solution
- Seamless scale-up with other Advanced-Flow™ Reactors products



Fluidic module size:
155 x 125 mm





Reactor size:
88 x 38 x 72 cm
(L x W x H)

Technical Specifications

FLOW RATE	TEMPERATURE	PRESSURE	MATERIALS	FLUIDIC MODULE	OPTIONS
30 to 200 ml/min	-60°C to 200°C	Up to 18 barg	Glass PFA Perfluoroelastomer	9 ml internal volume	ATEX certification; FDA, cGMP compliance

Mass Transfer 100 x better *

Heat Transfer 1000 x better *

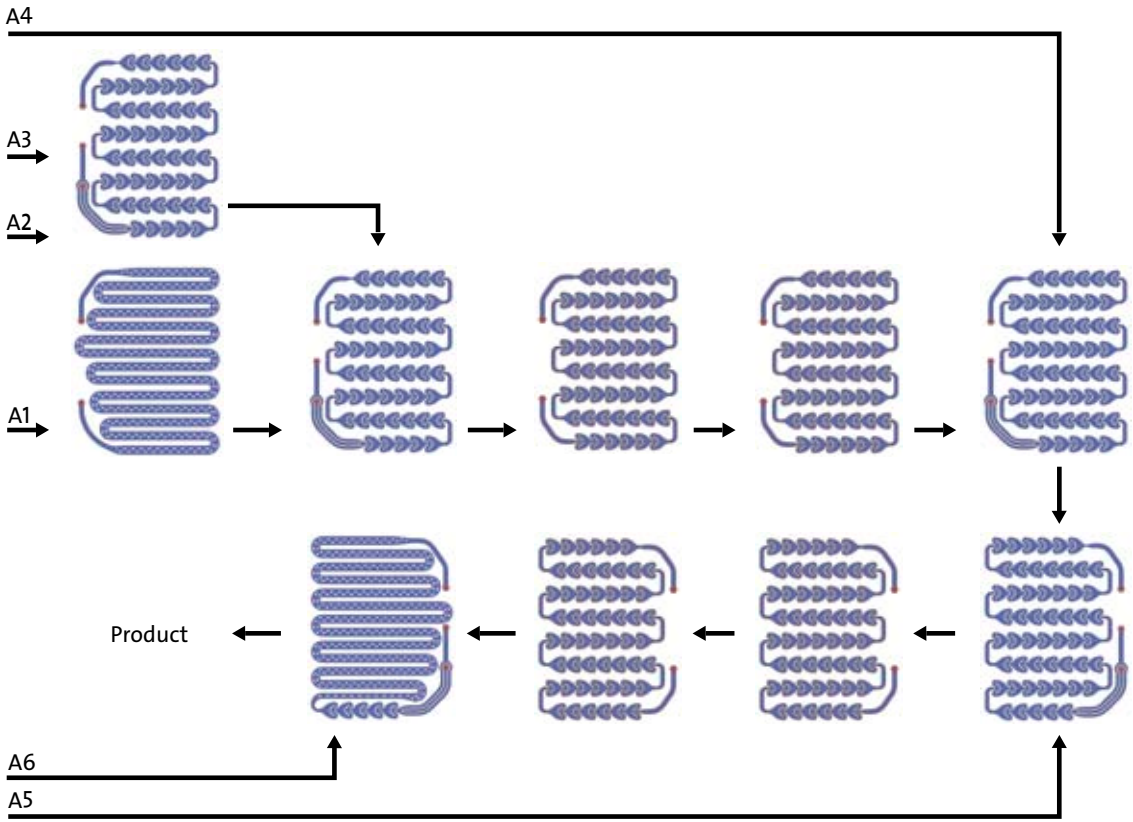
Reaction Volume 1000 x lower *

Residence Time Distribution 50 x better *

* compared to batch reactors

Reactor configuration

Reactor is multipurpose and configuration can be customized.
Injection points may be added anywhere on the reactor.



Example of a typical configuration

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EMEA and NSA

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