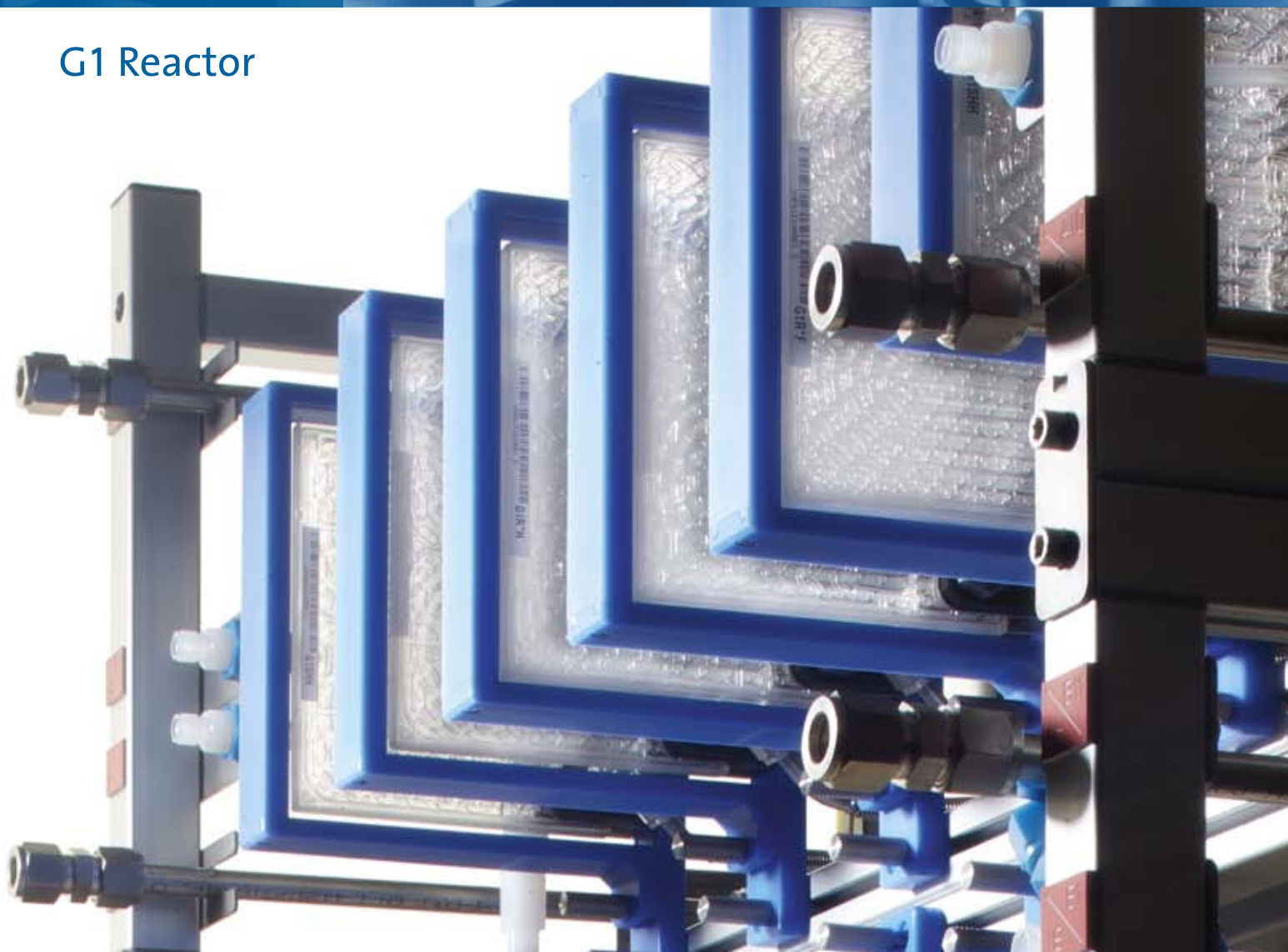


CORNING

The future flows through  
Corning® Advanced-Flow™ Reactors

G1 Reactor

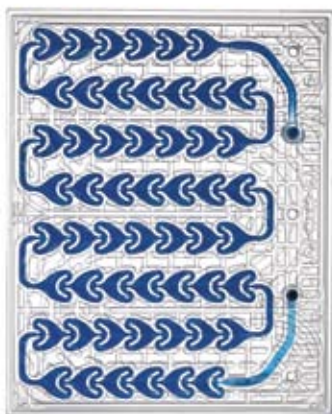


# G1 Reactor

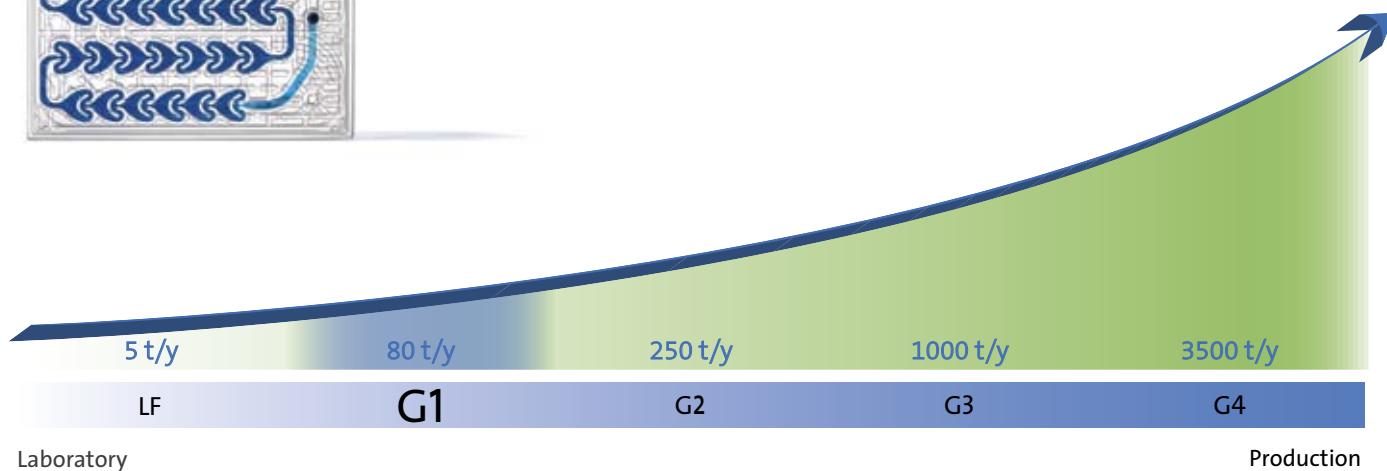
Process development and small production

## 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

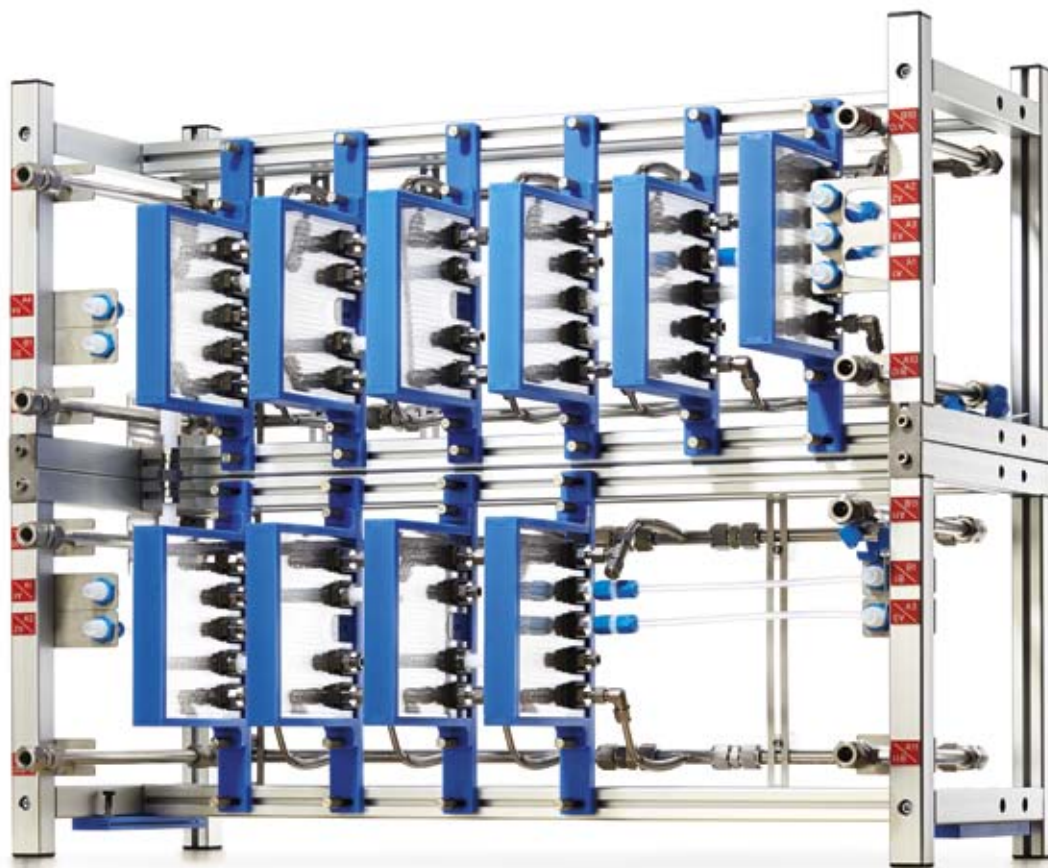


Fluidic module size:  
155 x 125 mm



Mass Transfer 100 x better \*

Heat Transfer 1000 x better \*



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

Reaction Volume 1000 x lower \*

Residence Time Distribution 50 x better \*

\* compared to batch reactors

