

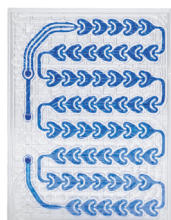
# CORNING

The future flows through  
Corning® Advanced-Flow™ Reactors

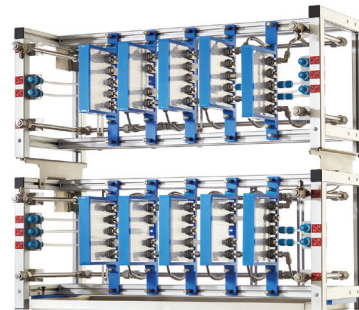
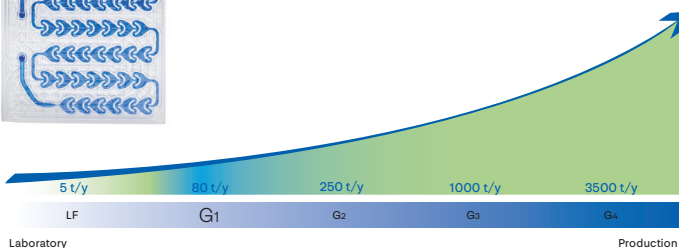
## G1 Reactor

### Process development and small production

- 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™ Reactor products
- Mass transfer 100X better\*
- Heat transfer 1000X better\*
- Reaction volume 1000X lower\*
- Residence time distribution 50X better\*



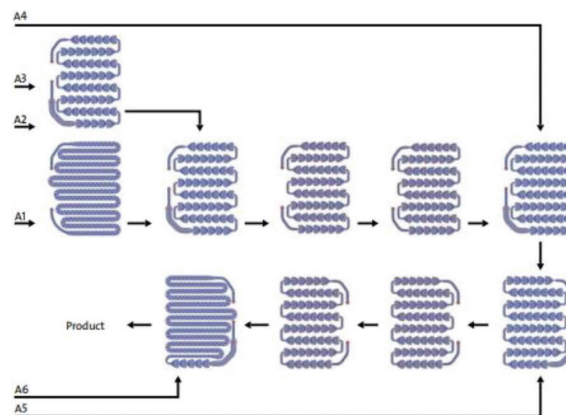
Fluidic module size:  
155 x 125 mm



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

## Reactor Configuration

- Reactor is multipurpose
- Configuration can be customized
- Injection points may be added anywhere on the reactor



Example of a typical configuration

### Flow Rate

30  
to  
200 ml/min

### Temperature

-60°C  
to  
200°C

### Pressure

Up to  
18  
barg

### Materials

Glass  
PFA  
Perfluoroelastomer

### Fluidic Module

9 ml  
internal  
volume

### Options

ATEX certification;  
FDA, cGMP  
compliance

## **CONTACT:**

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