CORNING

The future flows through

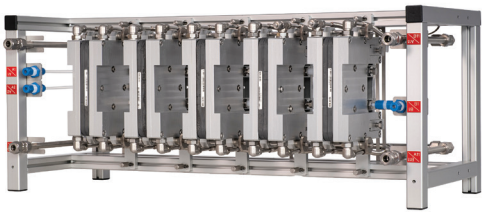
Corning® Advanced-Flow™ Reactors

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 (suitable for high pH compounds and hydrofluoric acid)
- 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*

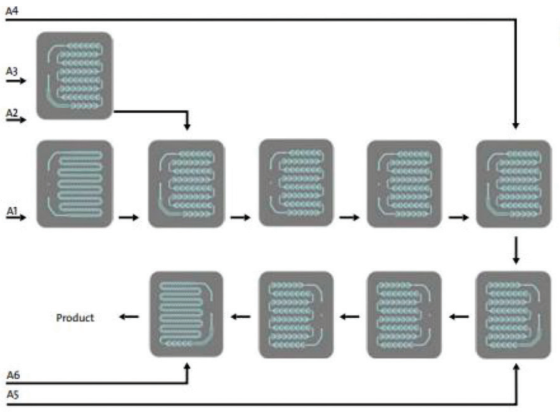
Fluidic module size:
188 x 162 mm



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	Temperature	Pressure	Materials	Fluidic Module	Options
30 to 200 ml/min	-60°C to 200°C	Up to 18 barg	Silicon Carbide PFA Perfluoroelastomer	9 ml internal volume	ATEX certification; FDA, cGMP compliance

** Compared to batch reactors.*

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