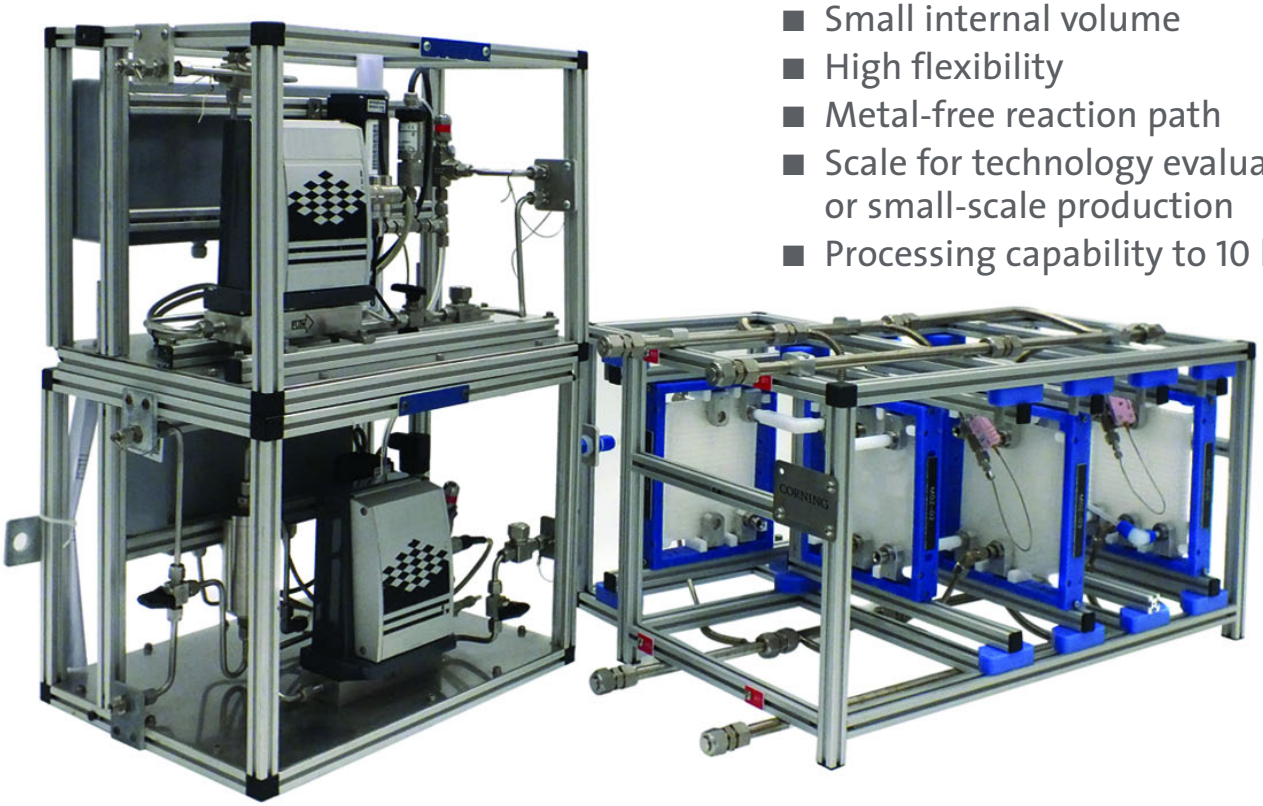
CORNING

The future flows through
Corning® Advanced-Flow™ reactors

Corning® Advanced-Flow™
G1 Reactor

Use Multipurpose Standard Evaluation Reactor equipped with G1 fluidic modules and test various chemical production processes in continuous mode.

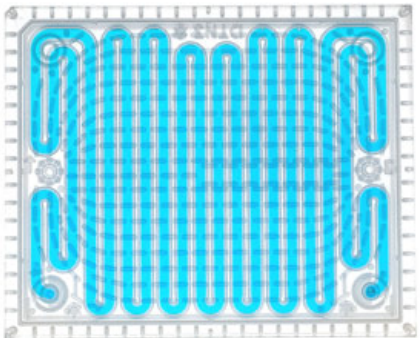


- Small internal volume
- High flexibility
- Metal-free reaction path
- Scale for technology evaluation or small-scale production
- Processing capability to 10 kg/h

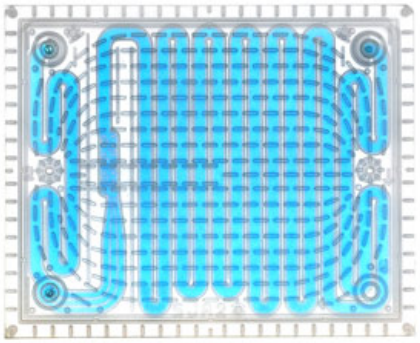
Our Standard Evaluation Reactor is a flexible and robust tool that quickly develops and optimizes synthetic paths, from testing to production.

Operating Range	Process Path	Heat Exchange Path
Temperature (°C)	-60 to 200	-60 to 200
Pressure (barg)	Up to 18	Up to 6

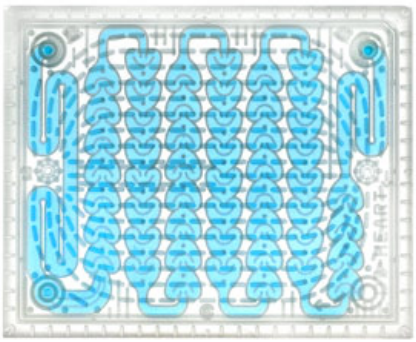
Glass fluidic modules have various functionalities and can be used as building blocks for your reactor.



Residence time module
of pre-heating/pre-cooling

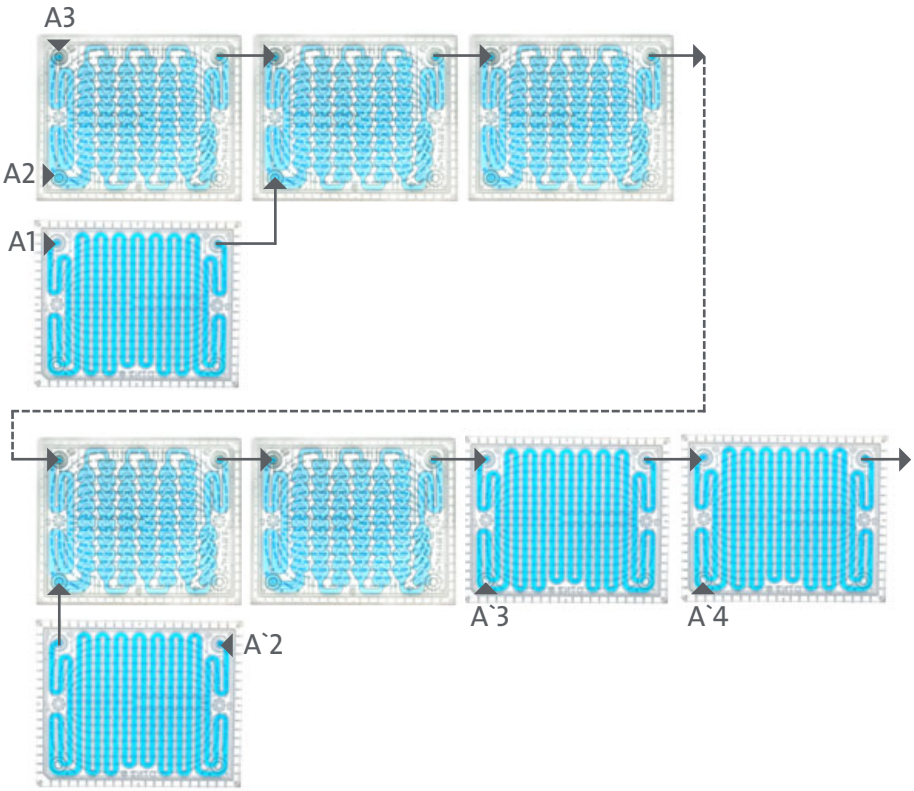


One mixing zone for two reactants
and residence-time zone



Dedicated mixing module for multi-phase
systems, (liquid-gas, immiscible liquids)

Standard configuration of the Multipurpose Standard Evaluation Reactor enables multiple chemistries to be run at the same time. Our flexibility concept allows customized reactors to be assembled from the reactor building blocks which are glass fluidic modules with integrated mass and heat transfer layers.



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