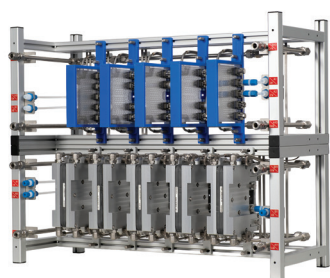


CORNING

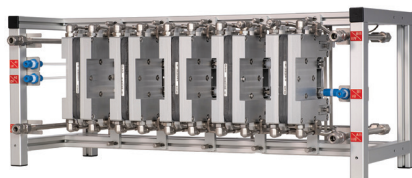
The future flows through
Corning® Advanced-Flow™ Reactors

G1 Process Development System

- Flexible and versatile system design for process development
- Compatible with any type of G1 reactor based on glass or SiC fluidic modules
- Up to 4 liquid dosing lines and 1 gas line, offering various materials of construction for chemical compatibility
- Flow control through reactant vessel weight measurement
- Control system with touch screen interface enabling an easy control of main features
- Mass transfer 100X better*
- Heat transfer 1000X better*
- Reaction volume 1000X lower*
- Residence time distribution 50X better*



G1 Hybrid Reactor



G1 SiC Reactor

Item Type	Included with the full package system (other limited options available on request)
Reactor	1 G1 10 FM (SiC, Glass, or Hybrid)
Dosing lines	2 liquid dosing lines - Wetted materials: stainless steel / gear pump 2 liquid dosing lines - Wetted materials: Hastelloy / gear pump 2 liquid dosing lines - Wetted materials: PFA & PTFE (metal free) / piston pump 1 gas line - MOC: stainless steel All being equipped of automated valves
Thermostat	2 thermostats - 20°C* / 200°C 2 thermostats 0°C* / 120°C *Lower temperature possible in option
Downstream equipment	Metal free back pressure regulator with automated control 2 automated valves to switch in between collecting vessels
Electrical cabinet with automation	Based on Siemens automation devices
Control system	Computer with human machine interface Software compliant with CFR 21 part 11 Data visualization through graphs and recording Configurable recipes

Flow Rate

Up to
2000 ml/min

Temperature

-60°C
to
200°C

Pressure

Up to
18
barg

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