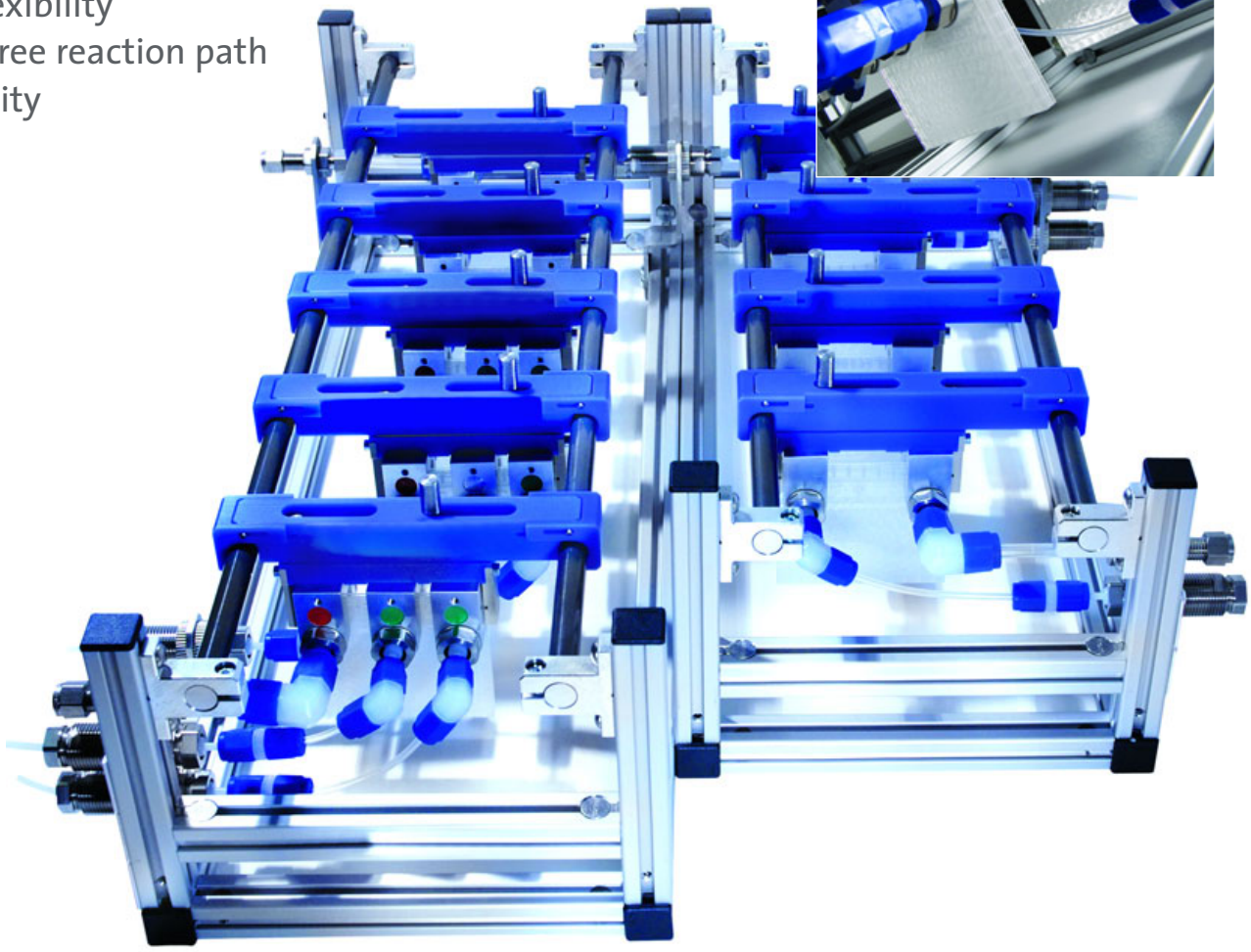
CORNING

The future flows through
Corning® Advanced-Flow™ reactors

Corning® Advanced-Flow™
LF Reactor

Corning has developed a reduced-flow reactor that retains the outstanding mixing and heat exchange performance of its Advanced-Flow™ reactors while also providing:

- Low internal volume
- High flexibility
- Metal-free reaction path
- Scalability



Boundary conditions

	Process Path		Heat Exchange Path	
	Block **A**	Block **B**	Block **A**	Block **B**
Total pressure drop (Approx.) (barg)	1.5(*)	1.5 (*)	0.4 (**)	0.5 (**)
Total internal volume (Approx.) (ml)	2.5	2.0	25	20

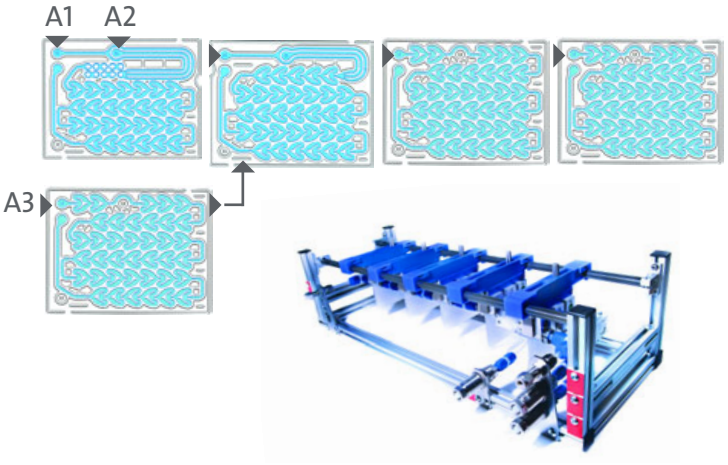
(*) water 20°C, 5 ml/min total flow rate
(**) water 20°C, 200 ml/min total flow rate

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

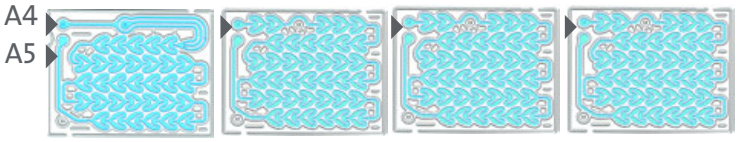
Reactor Blocks

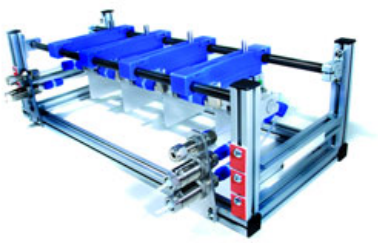
The Advanced-Flow™ LF reactor includes two blocks that can be used together or separately* and contain glass fluidic modules, PFA piping, and perfluoro-elastomer gaskets.

Standard reactor block A



Standard reactor block B





* Configuration examples: A, B, A+B, B+A

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