Plug & Produce Skid

Maximise controllability using continuous processing

Flowid Plug & Produce Skid

Flowid's Plug & Produce Skid is a **modular solution** for introducing flow chemistry on a commercial scale within your company. The Skid is designed for flow chemistry applications up to **several hundreds of milliliters per minutes**, already corresponding to about 100 tons a year. It can easily be set up in your laboratory or production facility.

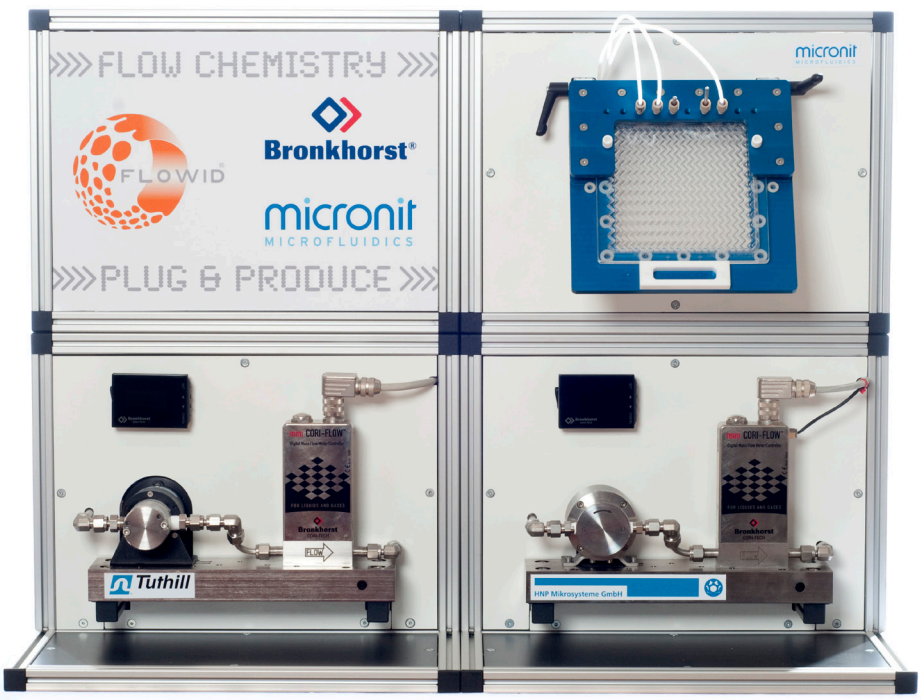
The modules of the skid are interchangeable, making the whole skid easy to adjust, simply by exchanging or adding a module. This makes the Plug & Produce Skid ideally applicable for situations in which a **flexible** set-up is of high importance. For instance by changing a reactor module and adding a pump module to start running a completely different process.

Each company, each application and each chemical reaction differs. Therefore, Flowid will develop and assemble each module **specific to the needs of your application**. As a result of Flowid's extensive network there are hardly any restrictions on module options.

Specifications

The specifications in the table correspond with the picture below.

Pumps	**Tuthill D-series**	**HNP MZR-7255**
Flow rates	0,75 - 23 l/h	0,003 - 17,28 l/h
Differential pressure	17,2 bar	20 bar
System pressure	34,5 bar	80 bar
Pump case	Stainless Steel 316L	Stainless Steel 316L
Rotor / Gears	PPS (Ryton)	Partially stabilized ZrO2
Bearings	PPS (Ryton)	Al2O3 ceramics
Seals	Teflon	Kalrez
Flowmeters	**Bronkhorst Mini-cori M13**	
Material	Stainless Steel 316L	
Capacity	1 - 2000 g/h	
Reactor	**Micronit Multistack**	
Reaction volume	8 ml	
Inlets	5	
Layers	1 reaction layer, 2 utility layers	



FLOWID®

Flowid is an engineering firm specialised in production scale implementation of continuous flow chemistry. In the field of chemical technology Flowid has been awarded several times for its innovative and groundbreaking work.

Leading companies like Alfa Laval, Bronkhorst, Fuji Techno, FutureChemisty, IMM, KSB, Micronit and Mikroglas choose to cooperate with Flowid. For more information please visit www.flowid.nl

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