



convergence
Accurate · Automated · Awesome

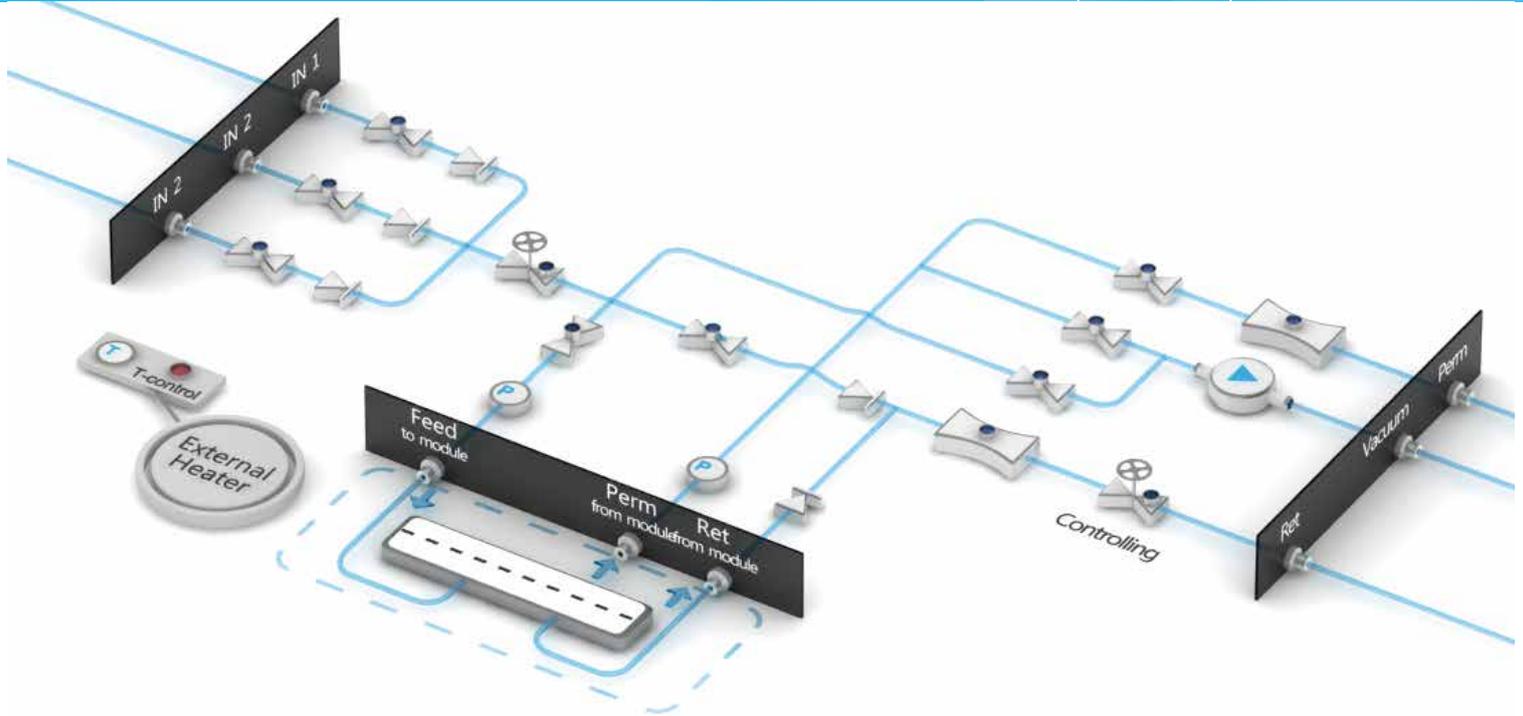
CONVERGENCE INSPECTOR

Gas Permeation

In order to characterize Gas Separation membranes with single or mixed gases, Convergence developed a Gas Permeation pilot. The unit allows the user to create their own customized feed gas composition and perform experiments at user defined flowrates, pressures or permeabilities and temperatures. Thanks to an integrated permeate side vacuum pump, solution-diffusion experiments can be performed using a pressure increment method.

The user-friendly software interface records flow, temperatures, pressures and allows the creation of individual test scripts. It also allows automatic calculation of permeability, permeance, TMP (trans-membrane pressure) and other user defined calculations. The system allows to work with all kinds of flatsheet, tubular or hollow fiber membranes and thus makes it extremely flexible!

The system is highly customizable and can for example be designed to support operation at up to 250 °C or allow the introduction of vapors through controlled evaporation and mixing. Different sensing options such as dew point detectors or an automated GC are also available.



GENERAL FEATURES

- Fits any module or cell
- Quick, traceable and reliable testing
- User-friendly software
- Flexible and customizable
- Compact design

TYPICAL SPECIFICATIONS

- Feed flow range: 0,16 nL/min - 25 nL/min
- Permeate flow range: 0,16 nL/min - 25 nL/min
- Pressure range: 2 - 100 bar
- Temperature range: 0 - 120 °C
- Dimensions: 70 x 26 x 38 cm

MORE INFORMATION?

Please do not hesitate to contact us for any additional information:

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