



convergence

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## CONVERGENCE INSPECTOR

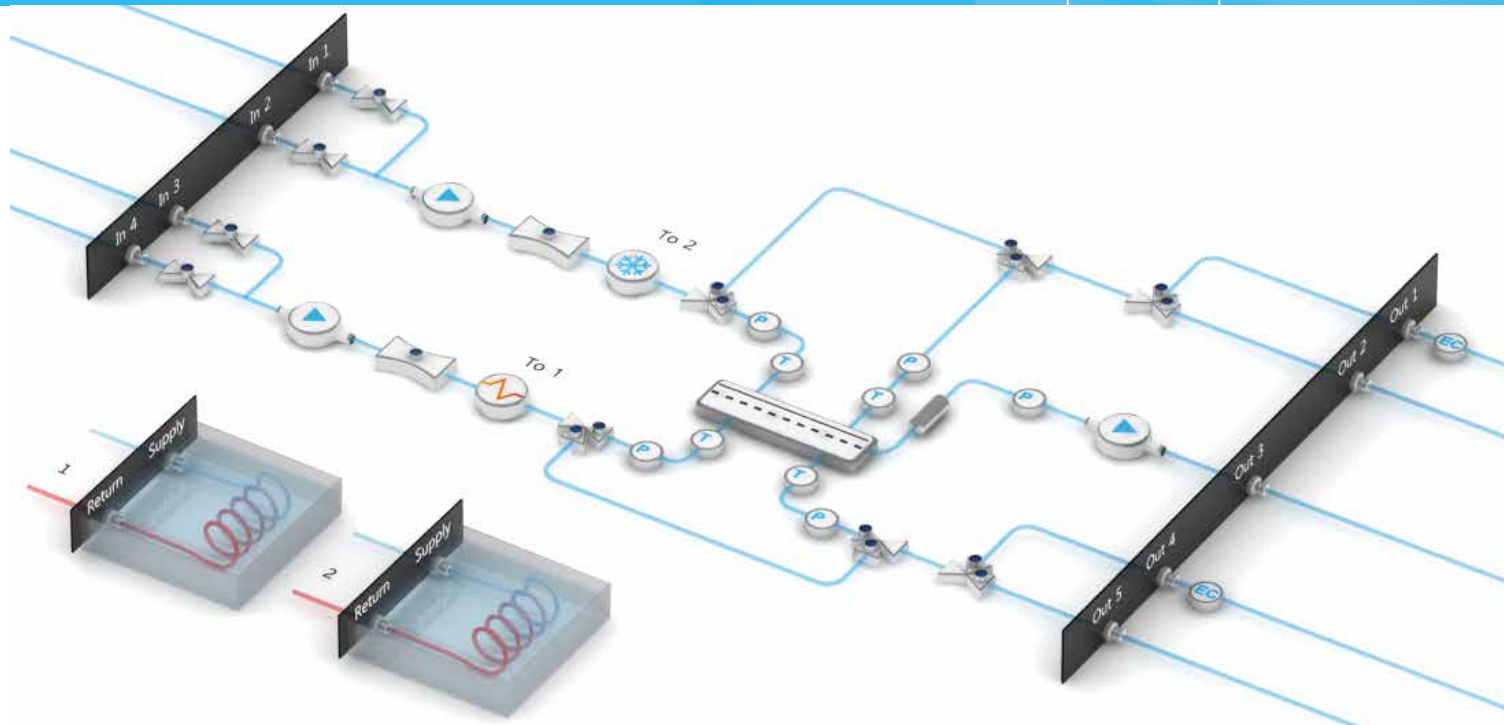
### Membrane Distillation

The Convergence Inspector Membrane Distillation pilot was developed to evaluate the performance of membrane distillation processes. It is suited for direct contact, air gap and vacuum assisted membrane distillation.

It consists of two circulating loops of fluids, one hot and one cold. Inside the membrane module both streams are in non-wetting contact with the membrane. The temperature difference between both sides induces a partial vapor pressure gradient. The membrane lets certain compounds diffuse which condensate again on the cold side. Two balances placed at both feeds allow the calculation of permeation rates.

The user-friendly software interface records flows, temperatures, pressures and allows the creation of individual test scripts. It allows automatic calculation of permeability, TMP, temperature gradients and other user defined calculations.

The system is highly customizable and can for example include additional sensors, in-line chemical dosing or vacuum assisted permeation for Vacuum Membrane Distillation (VMD)-



### 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: 30 - 120 L/h
- Pressure range: 0 - 4 bar
- Temperature range: -10 - 70 °C (higher temp. optional)
- Flat sheet membrane module included
- Dimensions: 60 x 50 x 93

### MORE INFORMATION?

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

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