



convergence
Accurate · Automated · Awesome

CONVERGENCE INSPECTOR

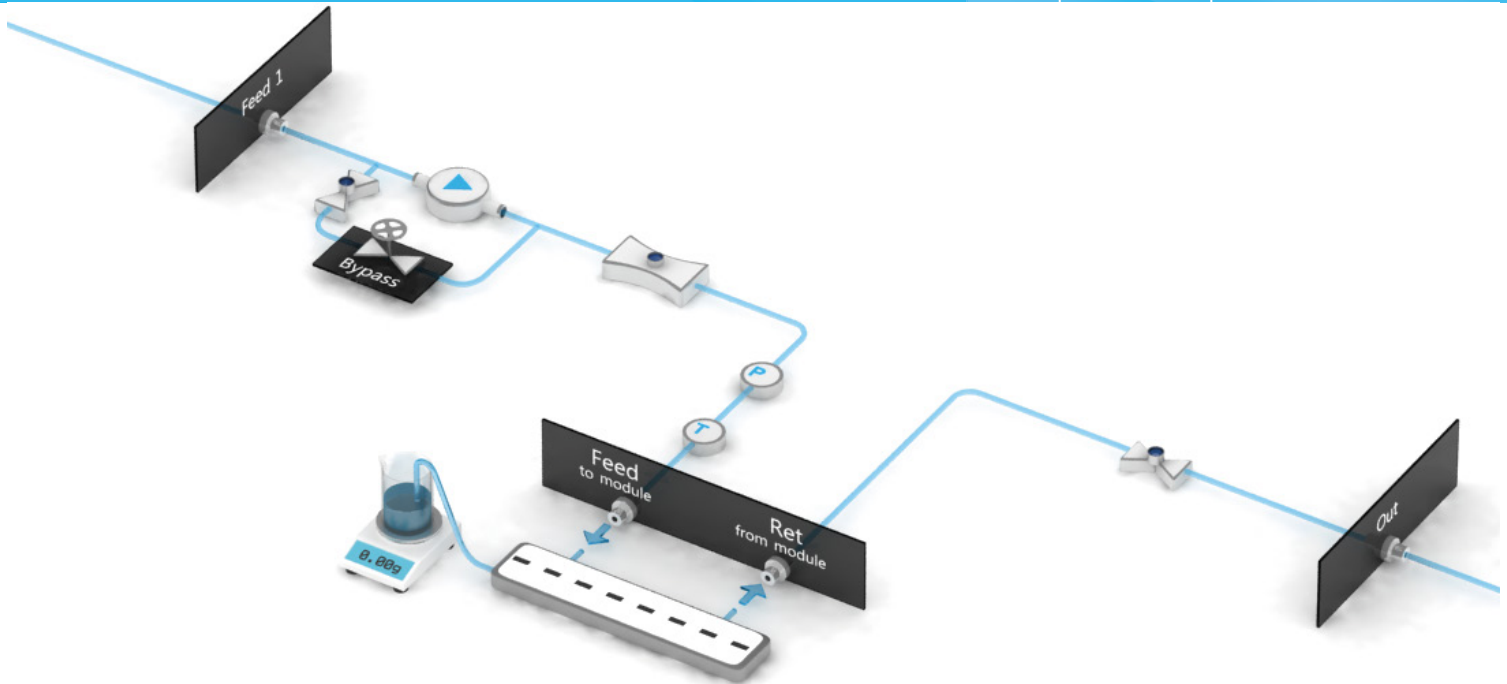
Clean Water Flux

The Convergence Clean Water Flux (CWF) pilot system was developed to quickly measure water permeability through membranes at reproducible temperature and pressure. The CWF is used to quantify the permeability of microfiltration and ultrafiltration membranes. It is defined as the volumetric flow through a certain membrane area at a certain pressure. It can be used for example to quantify membrane performance before and after membrane fouling took place.

Before testing takes place, a crossflow flush makes sure that no air bubbles are present on the membrane and complete wetting took place. Afterwards the system will provide a flow through the membrane at a constant pressure. The permeate flowrate is monitored using a high precision balance.

The system is highly customizable and allows you to work with all kinds of hollow fiber and flat sheet modules. The system comes with an A7 flat sheet membrane module (membrane size: 50 x 80mm).

With the integrated touch screen the user can easily set up his own experiment.



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: 8 - 45 L/h
- Pressure range: 0,1 - 16 bar
- Pressure accuracy: < 0,1%
- Temperature range: 0 - 60 °C
- Dimensions: 40 x 21 x 29 cm

MORE INFORMATION?

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

T +31 (0) 53 461 55 57

E info@con-vergence.com