

# Convergence Inspector Minos

## MFS/Dead-end filtration



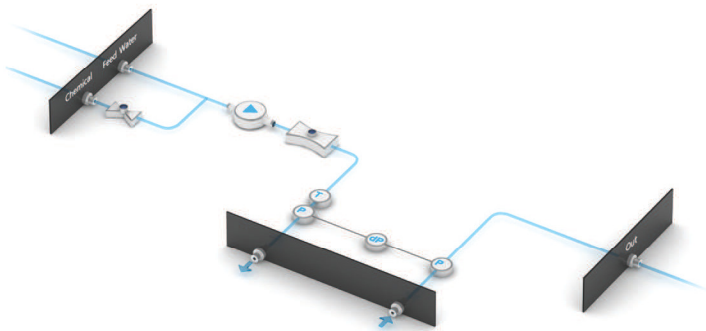
### What is the Convergence Inspector

The Convergence Inspector is the world-wide standard system for performing bench-scale studies on membranes.

The ideal choice when developing new membrane applications; greatly speeding up research and reducing your time to market.

The Membrane Fouling Simulator is optimized for benchscale studies on biofouling, as described by the PhD thesis ' Biofouling of spiral wound membrane systems' by dr H. Vrouwenvelder. The system is designed to measure biofouling growth over time by measuring pressure drop over the length of a test-module, operating at constant flow.

The Convergence Inspector MFS is equipped with ultrasonic flowmeters; with a total accuracy and reproducibility of +/- 3% of the reading. The Minos can also be used for simple dead-end experiments and can be modified to do leak and integrity testing.



### What does it do?

The Convergence Inspector MFS can be used for multiple purposes:

- Fit any module or cell, different modules and cells available
- Control at constant flow or constant pressure
- Do dead-end filtration experiments
- Do biofouling experiments

### Advantages

- Timesaving due to automation and easy interface
- Highly automated with automatic PDF generation
- Allows implementation of virtually any type of calculation
- Easy programming allows running 24/7 with remote access
- Compact size allows easy testing on-site
- Multiple systems on 1 PC possible (up to 50)
- Wireless option available
- Many upgrades and options possible, contact Convergence for special models.

### Specifications Inspector Hydra MF/UF

Feed Flow Range:	1.5 - 20 l/ hour
Flow Accuracy:	Linearity: 1.5% of reading Repeatability: 0.5%
Pressure Sensor Range:	0 - 4 bar delta
Pressure Sensor Accuracy:	+/- 0.3%
Temperature range	0 - 70C continuous
Temperature accuracy:	+/- 0.15 C
Connections	1/4" Quick connects + flexible tubing
Materials	PFA/PVDF/SS316(I), pH 0.5 - 14, solvent resistant
Dimensions (w x h x d):	40 x 30 x 20 cm
Delivery:	System including all tubing and connectors and software. Cells and other options separately



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