



This high-pressure cell is designed for use with a variety of flat sheet membranes across the full filtration spectrum, i.e. microfiltration to reverse osmosis.

The cell shown can be provided on its own or as part of a full equipment set up containing a stirrer, pressure sensor, balance (for flux measurements), water bath for temperature standardisation, connections for a nitrogen cylinder and data logging of all measured variables.

Pressure is generated by nitrogen cylinder through the uppermost fitting to force the liquid through the membrane. The additional port at the top facilitates the ability to complete diafiltration experiments.

Data

Membrane Area	36cm ²
Membrane Diameter	76mm
Operating Pressure	Up to 66 bar* (cell tested to 100 bar)
Operating Temperature	5-50°C*
pH Range	2-13*
Working volume	Up to 350mL recommended
Dimensions	150 x 180 x 150 mm
Pressure supply	Nitrogen cylinder required
Electrical supply	Dependent on configuration – not required for cell only

*Limited by maximum membrane operating conditions.

Membranology is independent of any supplier which means our engineers will always choose the optimum membrane for a given application based on extensive trial and process experience.