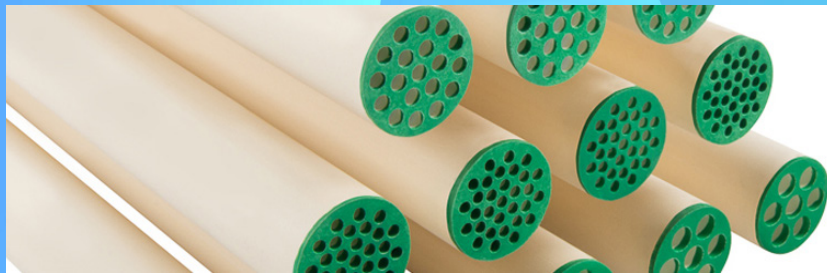


## Tubular Ceramic Membrane Test Cell



### Introduction & Standard Features:

The MicroKleansep™ module is a tubular cross flow/tangential module specially designed to process small quantities. It is versatile, quickly adaptable and very compact; it is the ideal research laboratory tool for ceramic membranes and is particularly suitable for separation feasibility studies within ultrafiltration, microfiltration and nanofiltration.

Included in our Housing Kit:

- 1x 316L Stainless Steel Tubular Ceramic Membrane Housing, for 10mm OD x 400mm Length Membranes
- 2x Kalrez O-rings
- 3x 316L Stainless Steel Compression Fittings for Feed, Concentrate, & Permeate

The MicroKleansep™ module is designed to work with tubular ceramic membranes at a recommended re-circulating flow rate between 200 and 600 liters/hour. With a high chemical-resistance and limited materials of construction this module can be used in a wide variety of applications. Additional laboratory filtration equipment required includes a feed flow pump, tubing, and a storage tank.

### Ordering Information:

<b>SKU</b>	1360022
<b>Product Name</b>	MICRO Kleansep Housing & Connection Kit #1 (Includes Housing, Clamps, Gaskets), No Pressure Gauges
<b>Ceramic Membranes Available:</b>	1 Channel, 0.008m <sup>2</sup> Surface Area, 10mm OD x 400mm Offered in: 0.2 Micron, 0.1 Micron, 0.45 Micron, 0.8 Micron, 1.0 Micron, 15 kD, 150kD, 300 kD, 5kd, 50kD

### Applications:

With a high chemical-resistance and limited materials of construction this module can be used in a wide variety of applications.

- Concentration of biological media for the recovery of antibodies, enzymes, proteins, etc.
- Water rendered apyrogenic
- Diafiltration
- Separation or clarification of molecules of very distinct sizes
- Cell recovery and washing for the concentration of viruses, bacteria, yeasts and animal cells
- Purification of protein solutions
- Elimination of cell fermentation and culture metabolites by continuous fermentation to improve yields and optimise culture cycles
- Dialysis/desalination of fragile proteins by low-pressure operations (< 1 bar)
- Organic Solvent Nanofiltration (OSN)
- Wide range of feasibility studies in chemistry, waste treatment, etc.