

MiniMem Ultra Low Volume Membrane Filtration



Unique Design:

The unique design of the membrane module with integrated magnetic stirrer (pat. pending) permits a total working volume of the whole unit of only 10 ml. Any flat membrane for reverse osmosis, nanofiltration, ultrafiltration or microfiltration can be used. The MiniMem is perfect for handling small volumes of precious substances like pharmaceuticals in early development stages.

Complete system:

The MiniMem is a complete filtration system in a stainless steel housing. The product vessel includes level control and magnetic stirring. Integrated high pressure pump and controlled feed pump automate diafiltration and concentrating. Electronic display of present pressure and temperature.

Advantages :

- minimum operating volume 10ml
- operating pressure up to 40bar or higher
- for shear sensitive substances
- compact unit with all components included
- stirred feed vessel
- automated diafiltration at constant level

Applications :

- reverse osmosis, nanofiltration, ultrafiltration, microfiltration
- concentration, diafiltration, loop operation, batch and continuous
- membrane filtration with small amounts of product
- concentration, purification and desalting of valuable products

