

SEPRODYN® Modules Handling Instructions

Thank you for buying SEPRODYN modules from MANN+HUMMEL Water & Fluid Solutions. Please note the following information before you use this product.

ACTIVATION

The sintered membranes are made of hydrophobic Polyethylene (PE). The pore size is 1 µm. At normal filtration pressure the membrane will be activated by water. If there are problems activating, please increase pressure to 2 bar (28 psi).

TEMPERATURE AND OPERATING PRESSURE

The max operating temperature is 40-60 °C at the operating pressures described in the data sheet of each module type. Please consult the data sheet (<https://www.microdyn-nadir.com/tubular-capillary-modules/>).

CLEANING

Even with periodic backwashing using permeate, depending on the product, an intensive cleaning with a cleaning agent may become necessary after periods of operation. Those cleaning agents can be non-oxidizing acids or bases with a pH-range of 0.5–14 (e. g. NaOH), citric acid, and others. Organic solvents that do not cause swelling or destruction of the PE are also permissible.

Oxidizing cleaning agents are not recommended (e. g. H₂O₂, sodium hypochlorite, etc.).

The use of such chemicals can reduce the lifetime of the membranes, dependent on concentration, temperature, and total exposure time.

Please note:

Not strictly adhering to these instructions may lead to reduced filter efficiency or a reduction in module life and will therefore void the warranty.

Information given in this document is based on our current best knowledge. We reserve the right to make modifications due to new developments at any time without prior notification. The most up-to-date and valid documents can be found at www.microdyn-nadir.com.

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