

## MICRODYN-NADIR Tubular module FS X TM 587 - XXX

The MICRODYN-NADIR tubular ultrafilter module consists of stainless steel housing or PVC housing. The membrane is a **PES** membrane tube. The feed solution must be compatible with both components, the housing and the membrane. Listed below is the chemical compatibility of the membrane tube.

Under normal operating conditions the tubular ultrafilter will operate at a pH of 2 – 11, a temperature of 5 – 50 °C (PVC-housing) and 5 – 80 °C (stainless steel housing).



1"-Rohrmodule

### Acceptable Chemical List

The following chemicals have no significant impact on membrane properties.

Inorganic salts	Sodium Hydroxide (0.1N)
Hydrochloric	Sodium Hydroxide (1.0N)
Nitric Acid (1%)	Free Chlorine, 20 mg/l
Sulfuric Acid (5%)	Free Chlorine 200 mg/l, 35 °C, 60 minutes
Formic Acid (5%)	Free Chlorine 5.000 mg/l, 60 °C, 60 minutes
Acetic Acid (25%)	Methanol (50%)
Citric Acid	Ethanol (70 °C)
Hexane	Isopropanol (100%)
Isooctane	Butyl glycol (100%)
Cyclohexan	Hydrogenperoxide (1.000 mg/l)
Phenols	Formaldehyde (1%)
Soy bean oil	
Olive oil	

### Unacceptable Chemical List

The following chemicals will damage or dissolve the membrane.

Ketones	Aromatic hydrocarbons
Esters	Aprotic solvents
Ethers	Silicones
Aldehydes	Halogenated hydrocarbons
Kerosene	formic Acid (100%)
Amine	

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