

# **ALMA MEM MF/ UF**

# Micro- and ultrafiltration systems



Our ALMA MEM MF/UF membrane systems have separation limits in the range of 10 to 0.01 µm. Micro- and ultrafiltrations are characterized by their ability to retain undissolved substances at low pressures and are particularly suitable as efficient pre-treatment for reverse osmosis processes. These membrane filtration technologies are widely used in the treatment of process water and in water treatment for closed water circuits. To ensure trouble-free and reliable operation, ALMAWATECH offers customized membrane cleaners and antiscaling agents that are specially adapted to the requirements and properties of the substances to be treated.

### **Applications**

- Pretreatment
- Process water treatment
- Water Cycles

- Food industry
- Milk processing industry
- Non-food industry

#### **Technical versions**

Designation	Pore size [µm]	Working pressure [bar]	Substances
Microfiltration	10-0,1	0,2-5	Turbidity, bacteria, suspended substances
Ultrafiltration	0,1-0,01	1-10	Macromolecules, viruses, colloids

#### **Specifications**

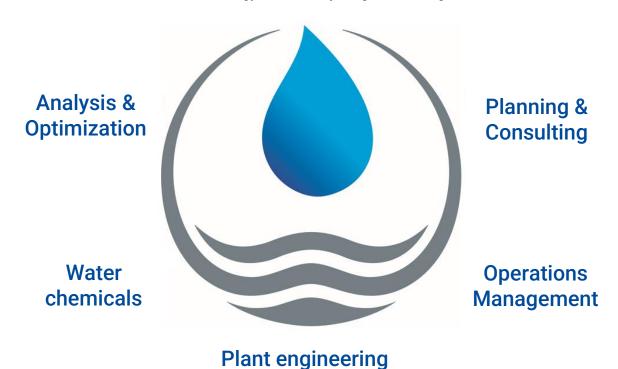
- Organic or inorganic (ceramic) membrane
- Flow rate of 1-50 m<sup>3</sup>/h possible
- Installation in rack, modular container or conventional installation

#### **Advantages**

- Cross-flow or dead-end operation
- Fabric-specific antiscalants and membrane cleaners
- Individual planning and design



ALMAWATECH GmbH - Your plant manufacturer and service provider in industrial water and wastewater technology offers everything from a single source



## Wastewater and process water

- Treatment for direct and indirect dischargers
- Pre- and post-treatment of wastewater
- Process water Recycling
- Ultrapure water production
- Individual system solutions for all branches of industry

#### **Procedure**

- Biological (aerobic/ anaerobic/ anoxic)
- Precipitation, flocculation and neutralization
- Filtration & reverse osmosis
- Oxidation & hygienization
- Modular systems

Specialized water chemicals from ALMAWATECH for wastewater applications, cooling water circuits, membrane systems and boiler plants.