



# ALMAWATECH

INNOVATIVE SOLUTIONS FOR WATER

## 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  $\mu\text{m}$ . 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 anti-scaling 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 [ $\mu\text{m}$ ]	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  $\text{m}^3/\text{h}$  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



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

**Analysis &  
Optimization**

**Planning &  
Consulting**

**Water  
chemicals**

**Operations  
Management**



**Plant engineering**

## 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.