



FULLY AUTOMATIC WASTEWATER AND DRINKING WATER TREATMENT

MEMBRACONNECT™ COMPACT ULTRAFILTRATION SYSTEM

MembraConnect™ is an innovative, modular and “ready-to-use” ultrafiltration unit for centralised or decentralised water and drinking water treatment. The C-MEM™ membrane made of HDPE with an average pore size of approx. 20 nanometre (0.02 µm) removes turbidity, solids, bacteria, viruses and other micro-organisms with an efficiency of up to 99.9999 %.

The intelligent control system enables fully automatic operation, including filtration, backwashing and integrity tests – for maximum operational reliability, time savings and minimised personnel costs. The systems are scalable, safe and optimised for municipal and industrial applications.

APPLICATIONS

DRINKING WATER TREATMENT

- ❑ Municipalities, water cooperatives
- ❑ Remote regions
- ❑ Hotels, resorts, ...
- ❑ Hospitals
- ❑ Emergency situations

PROCESS WATER

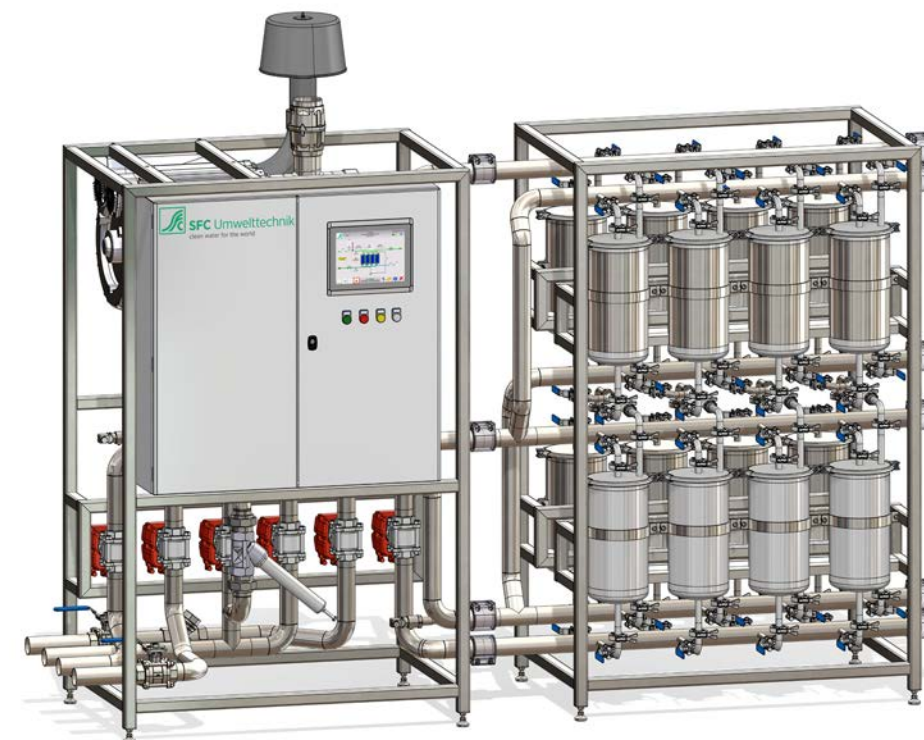
- ❑ Ideal for bottling, food, beverage, cosmetics and pharmaceutical industries

PRE-TREATMENT FOR ULTRAPURE WATER APPLICATIONS

- ❑ Nanofiltration, reverse osmosis, softening

WASTEWATER REUSE

- ❑ Post-filtration wastewater treatment plant
- ❑ Wastewater treatment plant 4th purification stage
- ❑ Water reuse: Industry, Agriculture, ...



MEMBRACONNECT 16

PRODUCT HIGHLIGHTS

- ❑ **Fully automatic operation** with touchscreen control (HMI)
- ❑ **Compact design:** space-saving
- ❑ **Highest quality:** high-quality workmanship in stainless steel
- ❑ **Quick installation:** electrically and hydraulically ready for connection
- ❑ **Physical barrier** against turbidity, solids, bacteria, viruses and other microorganisms
- ❑ **Consistent separation performance** regardless of the raw water
- ❑ **Low operating costs** thanks to low pressure and energy consumption
- ❑ **Connection to building management system** and remote maintenance possible
- ❑ **Online monitoring** of pressure, flow rate, temperature, pH value and much more.

ADVANTAGES AT A GLANCE

- ❑ Secure. Flexible. Efficient.
- ❑ Fast commissioning (plug & play)
- ❑ Minimal maintenance / maintenance costs
- ❑ Reliable 24/7 operation
- ❑ Adaptable to different water sources

OPTIONS & EXTENSIONS

- ❑ Booster pumps (feed or backwash pump)
- ❑ Integrated chemical in-situ cleaning (dosing station)
- ❑ Simple subsequent capacity expansion
- ❑ **Arsenic, manganese and iron removal with C-ION™ plasma technology Made by SFC Umwelttechnik GmbH**

TECHNICAL DATA

Desription	Installed Filter Area [m²]	„Average Production* (2 bar) [m³/h]“	Piping [mm]	Power Supply [W/m³]	Dimensions appr. [cm]	Weight appr. [kg]	Quantity of Modules
Membra Connect™ 4	24	4	DN 25	10/150 (without/ with pressure pump)	120 x 80 x 195	300	1
Membra Connect™ 16	96	15	DN 50		277 x 80 x 195	650	2
Membra Connect™ 32	192	26	DN 50		417 x 80 x 195	1000	3

*dependent on degree of contamination and temperature