



MEMBRACONNECT™ 8²

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 microorganisms 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, ...



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

Description	Installed Filter Area [m ²]	„Average Production* (2 bar) [m ³ /h]“	Piping [mm]	Power Supply [W/m ³]	Dimensions appr. [cm]	Weight appr. [kg]	Quantity of Modules
Membra Connect™ 4 ⁵	24	4	DN 25	10/150 (without/with pressure pump)	120 x 80 x 195	300	1
Membra Connect™ 8 ²	96	15	DN 50		277 x 80 x 195	560	2
Membra Connect™ 16 ¹²	192	26	DN 50		417 x 80 x 195	820	3

*dependent on degree of contamination and temperature