# Product data sheet ultrafiltration

Ultrafiltration systems are used to remove suspended solids, humic substances, viruses and germs from well water, surface water or process water as well as other process media. The filter pores of the UF membranes are so small (0,01 µm) that neither bacteria nor viruses can pass through the membrane. Dissolved substances, e.g. salts, can pass through the ultrafiltration unhindered. The result is germ-free filtrate.

Membrane processes:

- **Ultrafiltration:** Reduction of mikrobial loads
- **Nanofiltration:** partial desalination
- **Reverse osmosis (RO):** removes salts and org. substances almost completely

## Applications

- Potable water treatment
- Process water
- Waste water treatment
- Food industry / Biotechnology
- And many more

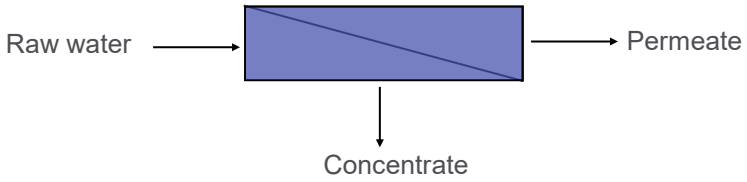


Figure 1: pictorial schematic of a membrane module

## Technical data

| Model series UF | Permeate flow [$m^3$/h] | Recovery [%] | System pressure [bar] | Dimensions Length x Height x Width [mm] |
|---|---|---|---|---|
| UF 1 | 0,3 - 0,5 | 94 - 97 | < 6 | 550x 1400 x 550 |
| UF 3/11 | 2,5 - 11,0 | | | 1400x1800x850 |
| UF 5/22 | 5,0 - 22,0 | | | 1400x1800x850 |
| UF 8/33 | 7,5 - 33,0 | | | 2600x2300x800 |
| UF 10/44 | 10,0 - 44,0 | | | 2600x2300x800 |
| Large-scale systems | > 44 | | | On request |

## Your benefits

- **Modular systems with various options - expandable at any time**
- **Robust industrial design**
- **Simple system design**
- **Individual solutions possible**

Subject to technical changes