



DRINKING WATER TREATMENT WITHOUT ELECTRICITY OR CHEMICALS

MEMBRALOOP™ FLEXIBLE WATER ULTRAFILTER

Membraloop™ is a smart, flexible “ready to use” ultrafiltration unit for water and drinking water treatment. This highly innovative, universally applicable ultra water filter works entirely without electrical energy and without the use of chemicals!

The contaminated raw water flows into the filter bag and passes through the hollow fibre membranes with an average pore size of just 20 nanometres (0.02 µm). The membrane acts as a physical barrier and reliably removes 99.9999% of all bacteria, viruses, worm eggs and undissolved solids – valuable minerals are completely retained. During the filtration process, the pollutants are deposited on the outside of the hollow fibres, while the purified water exits inside the membrane and can be used immediately – **for hygienically safe and healthy drinking water!**

Membraloop™ reliably ensures the availability of clean drinking water – anytime and anywhere. The simple handling, extremely low maintenance and easy cleaning make Membraloop™ the ideal solution for all sorts of trips, in remote areas or in the mountains.

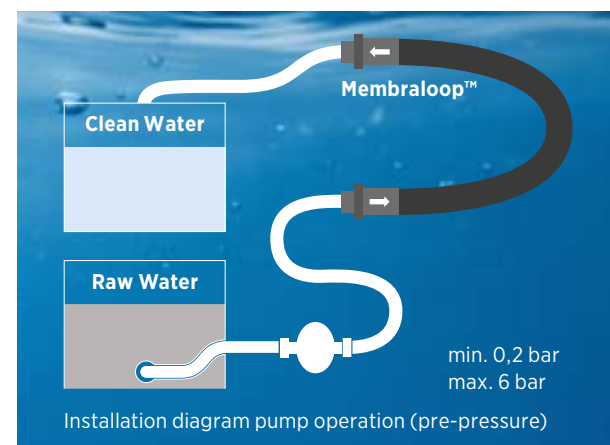
SOURCES FOR DRINKING WATER PRODUCTION

rivers, ponds, lakes, creeks, fountains, wells, ...

REMOVES 99.9999%

- Turbidity
- Viruses
- Bacteria
- Parasites
- Legionella
- Escherichia coli
- Noroviruses
- Worm eggs
- Algae
- Undissolved solids of all kinds
- Excluded are dissolved substances such as salts or other minerals

The effectiveness has been confirmed by an independent testing institute in Germany!



KEY BENEFITS

- Drinking water from almost any water source
- Completely chemical-free – safe for humans and the environment
- Small space requirement – flexible use
- Simple assembly / disassembly thanks to standard threaded connections
- Filter does not deteriorate and can be easily cleaned again
- No regular filter replacement costs (up to 10 years service life)
- Low maintenance – cleaning intervals of up to 1 year
- Innovative membrane technology – HDPE High Density Polyethylene = completely; Fluorine-free, no PFAS, PVDF, PFOA, PTFE
- UV and weather resistant
- Durable & reliable – High Quality
- “Made by SFC Umwelttechnik”

PRODUCT APPLICATION

- Sailing / Motor yachts
- Motorhomes / Caravans
- Tiny Houses / Fincas
- Emergency response after environmental disasters – can be used immediately!
- Camping sites
- Military, field operations, mobile camps
- Remote villages, mountain huts, alpine regions, etc.

TECHNICAL DATA

- Membraloop™ with integrated C-MEM™ ultrafiltration membranes.
- Organic hollow fibre membranes (HDPE)
- Ø pore size 20 nm (0.02 µm) = physical barrier, Membrane surface approx. 3 m²

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|--------------------|---|
| Flow rate*: | 0.8 l/min (gravity driven, 2 meters) |
| Flow rate*: | 8 l/min (pump driven, 2 bar) |
| Connection thread: | AG ¾" on both sides |
| Bending radius: | >= 110 mm |
| Length: | approx. 1100 mm |
| Ø: | OD approx. 50 mm |
| Weight: | 2.2 kg |

dependent on degree of contamination and temperature

ACCESSORIES

C-MEM™ Zero / Membraloop™ connection set - hose set Art. No: 240015

C-MEM™ Zero / Membraloop™ cleaning agent - for 5 cleaning cycles Art. No: 211091