



## DRINKING WATER TREATMENT WITHOUT ELECTRICITY OR CHEMICALS

### C-MEM™ ZERO WATER ULTRAFILTER

C-MEM™ Zero is based on an innovative ultrafiltration process using hollow fibre membranes – completely without the use of electrical energy or chemical additives. Contaminated raw water flows from the stainless-steel tank, into the C-MEM filter cartridge 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 – while retaining valuable minerals in full. 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!**



C-MEM™ Zero technology offers numerous advantages which distinguish it from conventional water treatment systems. Its compact design, easy installation and plug-and-play usability make the system extremely user-friendly. The robust construction, with no delicate mechanical parts, ensures a long service life and minimal maintenance requirements. With C-MEM™ Zero, it is literally possible to produce drinking water from almost any freshwater source.

#### SOURCES FOR DRINKING WATER PRODUCTION

rivers, ponds, lakes, creeks, fountains, wells, ...  
Excludes: Saltwater, brackish water and heavily polluted water

#### 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
- No electricity required – ideal for remote areas or emergency situations
- Completely chemical-free – safe for humans and the environment
- Compact design – space-saving, simple and flexible to use
- Simple operation – quick to install and immediately ready to use
- Low maintenance – thanks to durable, no-fragile-parts construction
- Easy to clean – efficient and cost-effective
- No regular filter replacement costs (up to 10 years lifespan)
- Mobile and universally applicable
- Innovative membrane technology – HDPE High Density Polyethylene = completely; Fluorine-free, no PFAS, PVDF, PFOA, PTFE
- Durable & reliable – High Quality
- “Made by SFC Umwelttechnik”

#### PRODUCT APPLICATION

- Mobile drinking water treatment for any use
- Compact home system
- Protection for non-public water sources
- Greywater and rainwater filtration
- Water reuse
- Emergency response after environmental disasters – ready to use instantly!
- Rural clinics and hospitals
- Camping sites
- Military, field operations, mobile camps
- Remote villages, mountain huts, alpine regions, etc.



#### TECHNICAL DATA

- C-MEM™ Filtration Tank: Stainless steel 304/304L, Ø 204 mm
- C-MEM™ Filter Cartridge 6 with integrated C-MEM™ ultrafiltration membranes
- Hollow fibre membranes (HDPE) with micropores Ø Pore size: 20 nm (0.02 µm) = physical barrier, Membrane surface area approx. 6 m<sup>2</sup>

Flow rate*:	1.6 l/min (gravity driven, 2 meters)
Flow rate*:	16 l/min (pump driven, 2 bar)
Height:	approx. 61.5 cm
Net weight:	11,5 kg

dependent on degree of contamination and temperature

#### ACCESSORIES

C-MEM™ Filter Cartridge 6	Art. No: 210018
C-MEM™ Zero / Membraloop™ Connection Set – Hose Kit	Art. No: 240015
C-MEM™ Zero – Kartuschen Cleaning Set	Art. No: 211090
C-MEM™ Zero / Membraloop™ Cleaning Agent – for 5 cleaning cycles	Art. No: 211091
C-MEM™ Sealing Set	Art. No: 220114