



SFC Umwelttechnik

clean water for the world

C-MEM ZERO



www.sfcu.at

1. C-MEM ZERO

C-MEM ZERO is a smart and easy way to produce high-quality drinking water through ultrafiltration membranes without:

- *electrical energy*
- *chemicals*
- *pumps, blowers, etc.*

C-MEM ZERO can produce drinking water out of almost every water resource such as:

- *rivers & ponds*
- *wells or*
- *groundwater*

C-MEM ZERO is a light modular mobile skid and can be used for:

- *Remote villages*
- *Provincial hospitals*
- *University and High School campus*
- *Remote army training and outdoor camps*
- *Disaster relief*

2. PRINCIPLE

C-MEM ZERO uses organic hollow fibre membranes with micro-pores (average pore size 20.1 nm) as filtration media.

The membrane acts as physical barrier and rejects

- *suspended solids (to less < 0.2 NTU)*
- *bacteria & viruses, parasite worm eggs (4-7 log)*
- *Fe, Mn, As (with pre-oxidation process)*
- *Pesticides (with activated carbon)*

Limits of application

- *Soluble organic and inorganic substances.*

3. PROCESS DESCRIPTION

C-MEM ZERO works without electrical energy and is driven by geodetic pressure only (up to 8 m of head).

Optional feeding by solar driven pumps is possible.



The skid consists of a filtration vessel with integrated ultrafiltration membranes. For water production the skid just needs to be connected to a higher located raw water tank. The raw water will enter the skid by gravity and will be cleaned by the ultrafiltration membrane cartridge inside the filtration vessel. Water production is up to 8,000 L/day per unit.

4. CONTACT

For further information please contact:



Julius-Welser-Straße 15
5020 Salzburg
AUSTRIA

Tel. +43 (0) 662 / 43 49 02
Fax +43 (0) 662 / 43 49 02 – 8
e-mail office@sfcu.at
Internet <http://www.sfcu.at>

SFC is an ISO 9001/2008 certified company. C-MEM Zero is completely assembled in integrative companies with challenged persons.