



# SmartCube: containerized (drinking) water solutions

In the range of smart drinking water solutions, the SmartCube provides a complete set of water treatment technologies for a large variety of inlet water sources, all robustly mounted in a container. The SmartCubes are highly suitable for global use, no matter the local conditions.

- Drinking water supply during floods and other disasters
- Pilot testing, prior to full scale water treatment solutions
- Compact external water treatment plant
- Mobile water supply during shutdowns
- Designed by experts





As the demand for safe drinking water is vastly growing worldwide, the SmartCube has been developed. Due to the Smart Control, the system can continuously purify any source of inlet water without stagnation. This is important, as not always experienced technicians are on site. Cleaning of membranes can easily be done with “household chemicals”, which are available in any local store, worldwide.

## Technical data

| Dimensions     |                                |
|----------------|--------------------------------|
| 20ft container | 6.06 x 2.44 x 2.59 m (LxWxH)   |
| 40ft container | 12.19 x 2.44 x 2.59 m (LxWxH)  |
| Weight         | 3.250 kg (depending on design) |

## Specifications

- Easy adjustable PLC software
- Remote access possibilities
- Insulation and climate control possibilities
- Various combinations of technologies possible:
  - Softening
  - Iron/Manganese removal
  - Sand and carbon filters
  - Coarse/Fine filtration
  - Membrane filtration
    - UF
    - NF (spiral wound and capillary)
    - RO
  - Degassing (CO<sub>2</sub>, Radon, H<sub>2</sub>S and Methane)
  - Chemical dosing
  - Demineralization
  - Re-mineralization after RO
  - Pre/Post-Desinfection

