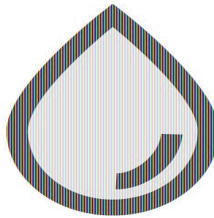


OPUS[®]  C

Pure Water, Anywhere, Anytime

When clean drinking water is out of reach, **OPUS[®] One** delivers.

Portable • Power-Free • Sustainable • SDG-Aligned Water Innovation

When safe drinking water is unavailable, **OPUS® One** provides clean, reliable, and sustainable access—anywhere on Earth. Designed and built by **Nordic Technologies**, this rugged, portable, hand-operated purification system transforms even highly contaminated surface water into high-quality drinking water **without electricity or chemicals**.

Designed for communities, schools, hospitals, NGOs, emergency responders, military units, and climate-affected regions, OPUS® One brings long-term water security in a compact, durable, human-powered system even in the most remote locations.

Small in size. Big in impact.

Lightweight and user-friendly, the hand pump is easy to operate—even for women and children—and the portable design allows it to be moved wherever water is needed most. Built on a **durable stainless steel frame** with minimal moving parts, OPUS® One ensures reliability and long service life.



Size:
Width 581
Depth 316
Height 657

OPUS® One

✓ Why OPUS® One?

- Produces 5-10 liters of clean water per minute
- Operates entirely without power
- Lightweight and easy to use—ideal for adults and children
- Removes bacteria, particles, chemicals, and heavy metals
- Durable stainless-steel frame with minimal maintenance needs
- Supports UN Sustainable Development Goals (SDGs)



The OPUS® One used by children on Tierra Bomba - Colombia

Sustainable Development Goals

3 GOOD HEALTH AND WELL-BEING



Eliminates waterborne pathogens, heavy metals, and chemical contaminants—preventing disease and improving public health. **No use of chlorine or chemicals** in the cleaning process with the OPUS® One.

4 QUALITY EDUCATION



Schools without clean water face absenteeism, illness, and hygiene challenges. **OPUS® One keeps students healthy** and in class, powering WASH-in-Schools initiatives and enabling uninterrupted learning.

5 GENDER EQUALITY



Women and girls often walk long distances to fetch or boil water. OPUS® One reduces this burden by providing **local, immediate** access to safe water. Its lightweight, manual design makes it accessible for all ages and genders.

6 CLEAN WATER AND SANITATION



Provides **high-quality treated drinking water** in places where infrastructure is damaged, limited, or non-existent.

7 AFFORDABLE AND CLEAN ENERGY



Delivers safe water **without using any energy at all**, enabling water access in off-grid regions while reducing reliance on diesel generators and fuel transport.

12 RESPONSIBLE CONSUMPTION AND PRODUCTION



- No chlorine or chemicals
- No wastewater
- Long-life, replaceable filter media
- Reduces plastic waste by eliminating dependency on bottled water

13 CLIMATE ACTION



OPUS® One has a **significantly lower carbon footprint** than conventional water distribution. More details are included in the “Climate Impact” section.

17 PARTNERSHIPS FOR THE GOALS



OPUS® One strengthens collaboration between NGOs, governments, emergency responders, and private partners to expand global access to sustainable, safe, climate-resilient drinking water.

A Cleaner Alternative to Trucked Water

Supplying clean water by trucking is costly, fuel-intensive, and carbon-heavy. OPUS® One provides a dramatically cleaner and more sustainable alternative.

Massive CO₂ Savings

Water trucking typically requires:

- Diesel-powered transport
- Long driving distances
- Frequent return trips
- Heavy vehicle operation with high emissions per liter delivered

With OPUS® One:

- **Zero fuel use**
 - **Zero electricity**
 - **Zero emissions at the point of use**
 - **Local purification means no transport emissions**
- No need for plastic water containers or bottled water**

A community using OPUS® One instead of trucked water can reduce annual CO₂ emissions by **several tons**, depending on distance and frequency.

Climate-Resilient Water Security

As climate change increases droughts, floods, and infrastructure failures, OPUS® One ensures rural and vulnerable communities remain water-secure even when logistics collapse.

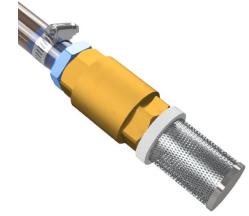


OPUS® One used by women of a coffee production plant in Kenya

Advanced Six-Stage Purification

1. Heavy-Duty Strainer

Captures large debris immediately at the intake.



2. Clinoptilolite Zeolite Filter (Big Blue)

A natural mineral with exceptional adsorption capability that removes:

- Ammonia, harmful cations, dissolved organics
- Giardia, cryptosporidium, bacteria & spores
- Turbidity down to below 0.1 micron equivalent



3. Catalytic Activated Carbon (GAC) (Big Blue)

Coconut-shell carbon enhanced with iron-hydroxide catalysis removes:

- Heavy metals (arsenic, fluoride, chromium, copper, lead, mercury)
- Color, odor, taste
- Humic substances, tannins
- Chloramines, THMs, phenols & organic pollutants
- Cyanides and dissolved chemical contaminants



4-6. OPUS® MF 48 Plus: Three Filters in One

- Activated carbon block
- FilterSorb SP3 anti-limescale beads
- Ultrafiltration membrane



This unique **Zero Liquid Discharge** design guarantees that all incoming water becomes usable drinking water—maximizing output and sustainability.

OPERATING BREAKDOWN

OPUS® One used by women of a coffee production plant in Kenya

The OPUS® One gives 0,5 liter per stroke, giving about 6 liter per minute. If a person drinks 4 liters per day with a 15 hours operating use and a utilization of 30%, one unit can serve 405 people.

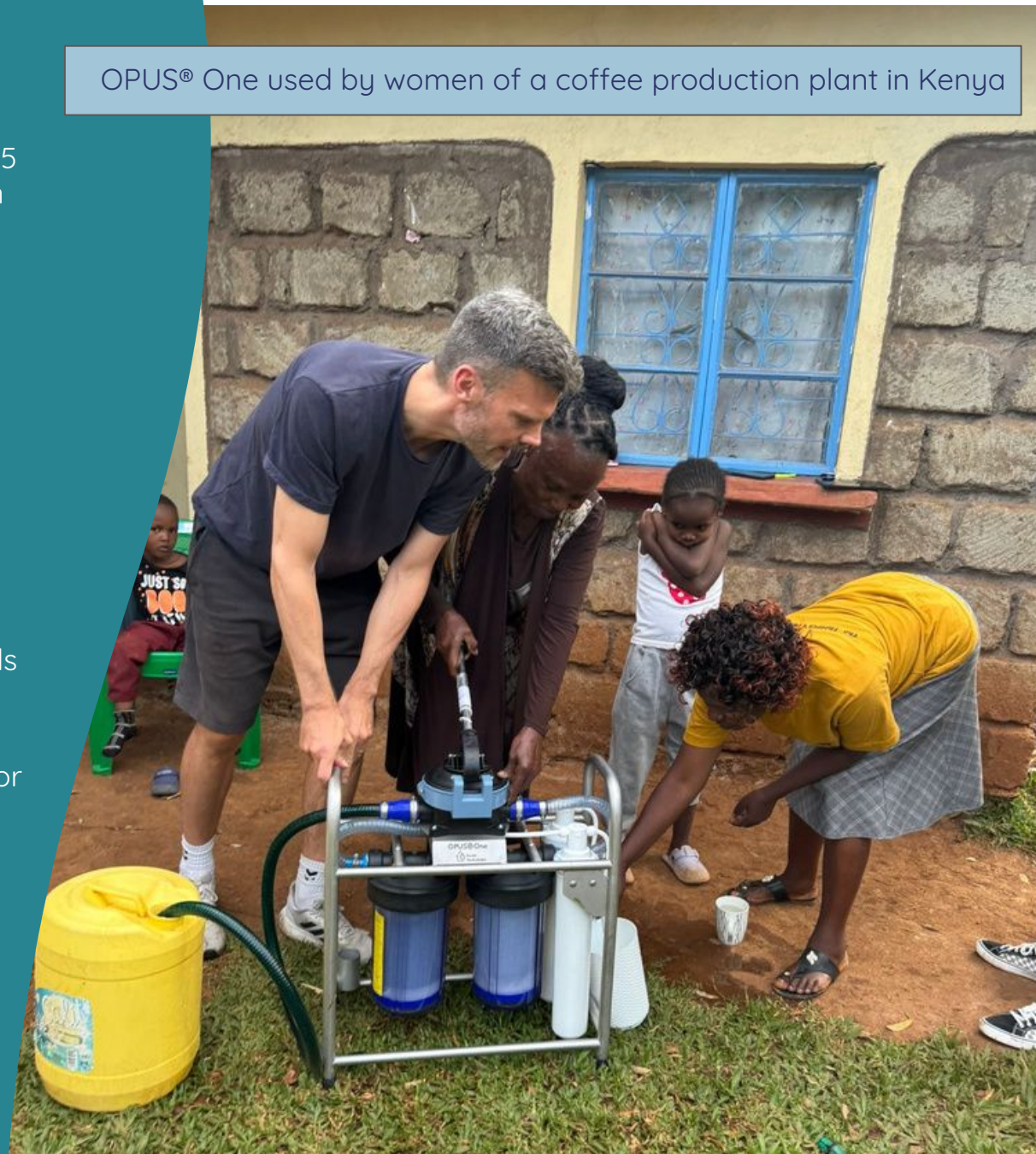
Based on those numbers for a **6 year period**, the operational cost for the OPUS® One unit is € 2 per cubic meter water or € 21 per person*

**based on a quarterly exchange of the OPUS MF 48 plus cartridge and a three year exchange of the media in the Big Blue.*

Total cost for exchange parts for six years € 8 392,-

Eco-friendly and power-free, it delivers safe water with a **low carbon footprint**. Meanwhile no drinking water needs to be trucked saving additional on carbon emissions.

No chlorine is used in the the OPUS® One often a cause for all different kind of health issues.



MORE INFORMATION

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