

# AQUAPHOR

PROFESSIONAL

## Emergency Water Purification

### Build Your Own Water Resilience

- Highly energy-efficient
- High quality and durable equipment
- No on-site engineering required



# Water Security Starts Before the Crisis

During an emergency (hurricanes, flooding, manmade disasters, etc.), people struggle to gain access to fresh water, sanitation, and hygiene. In normal conditions, daily water consumption per person per day is 100–150 liters. According to WHO, during an emergency, there is a need for 20 liters per day to cover basic needs (drinking, cooking).



Water is vital — every day and in every crisis. But don't wait for an emergency to realize the importance of being prepared. Unexpected events strike without warning, and relying on existing water sources can be a costly mistake.

Instead, create your own microgrid for water security, ensuring access no matter the circumstances. Our solutions are rapidly deployable. **Self-sufficiency is not a luxury, it's a necessity.**

## Value Adds:

- Shortest time to client
- Rapidly deployable
- The systems are user-friendly and designed to be plug & play
- Work with any water source\* when public water sources are not available.
- Equipped with an automatic disinfection system
- Ensuring protection against viruses and bacteria
- The High-quality reverse osmosis systems have smart remineralization function which carefully deletes all harmful impurities and ensures optimal mineral balance for health.
- High-quality & durable spare parts.
- Energy-saving (50% less energy than in analogs) — the systems can be used when public electrical sources fail.

## Applications:

- Healthcare Facilities
- Educational Institutions
- Orphanages
- Fire & emergency assistance
- Disaster Preparedness and Response Exploration Enterprises
- Drilling companies
- Boiling water signals
- Foster homes
- Emergency Shelters
- Isolated Communities

## For Small communities

A portable water purification station providing up to 120 liters/hour of premium quality drinking water under extreme conditions.

- Compact and portable design
- Extremely energy-saving
- Works with any water source
- The system purifies any open freshwater source (river, lake, pond)
- Mineralization system
- Fully automated

### APRO 120 UN

Permeate flow, max	120 liters/ hour
Prefiltration	yes
Accumulation tank, L	80
Max inlet TDS, ppm	2000
Reduction of salt content, %	Up to 95
Power supply	24VDC (adapter 220/24)
Dimensions (LxWxH), mm	685 x 780 x 925
Net weight, kg	75



## For mid-sized communities

A portable containerized water treatment station with a robust ultrafiltration pretreatment followed by Aquaphor's unique Monoblock RO, capable of providing up to 10 000 liters/hour of high quality drinking water under harsh outdoor conditions. Suitable for medium salinity brackish water.

- Portable containerized station All-in-one solution
- Extremely energy-saving
- UF pre-filtration
- Works with any water source, including high-salinity brackish water
- Mineralization system provides safe, pure drinking water with optimal healthy mineral balance.
- Fully automated & user friendly



### AP-UF-RO-10000

Permeate flow, max	10 000 liters/hour
Prefiltration	Ultrafiltration (UF)
Accumulation tank, L	800
Max inlet TDS, ppm	10 000
Reduction of salt content, %	Up to 95
Dimensions (LxWxH), mm	6060 x 2440 x 2590

## Desalination for resorts mid-sized communities

The compact, modular, mobile, rapidly deployable system for efficient on-site seawater desalination with UF pretreatment.

Perfect for off-grid locations, resorts, and islands and as a backup source of potable water.



### AP-UF-RO-SW series

Liters/hour	250	500	1000	2000	6000	10000
m <sup>3</sup> /h	0.25	0.5	1	2	6	10
GPM	1.1	2.2	4.4	8.8	26.4	44



## Why choose AQUAPHOR?

AQUAPHOR is the largest water treatment products manufacturer in the EU.

Aquaphor, in its own EU-based (Estonia) facility, develops and manufactures efficient water purification solutions for a variety of water sources and applications.

### Benefits of Aquaphor being your technological partner

- The strongest R&D department in the water treatment industry
- Cutting-edge production
- Standardized products
- Cost-efficient operation and maintenance

**55 000 m<sup>2</sup>**  
modern plants



**European. Affordable. Excellence**

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Aquaphor International OU  
4023, Sillamae, Estonia  
[aquaphorpro.com](http://aquaphorpro.com)

