



# Emergency Station 1™

Introducing

# Emergency Station 1™

Designed to help emergency response teams to rapidly provide a safe supply of water. It's a fully mobile water purification system engineered for hydration in the toughest environments.

With Emergency Station 1™, you can turn contaminated sources—including brackish water, rivers, and lakes—into clean, great-tasting drinking water in just minutes.



Emergency Station 1™

# Pure Water, Off the Grid

## Water Sources

Brackish and freshwater

**20,000 L/day**

Pure water per day

## Mobile

Handles and wheels

**Up to 99%**

Water purity level

## Robust

Built to take a hit

**10 minutes**

Up and running



# Pre-Filtration

Case #1 collects raw water from a nearby source—like a river, lake, or tap. It runs the water through three powerful pre-filters, removing dirt and larger contaminants. The pre-filtered water is then sent directly to Case #2 for reverse osmosis purification.

## Water Intake

Water from natural or municipal sources\*

## Pre-Filtration

Three robust filters remove large particles

## Flow Transfer

Leads pre-filtered water into Case #2



\*Submersible pump available as add-on.

# Purification

Case #2 purifies the water. It houses the Purifier 16™, which removes up to 99% of all waterborne contaminants. A built-in pump powers the flow, and smart sensors monitor everything—so you can trust that the water is pure.

## Purifier 16™

Purifies the water up to 99%, making it safe to drink

## Water Delivery

Pure water dispensed; reject water returned to source

## Monitoring

Optimal water quality and system efficiency



Bluewater Purification

# Powered by Purifier 16™

The Purifier 16™ is the world's most compact, efficient and powerful water purifier.



Reverse Osmosis  
Purification

16.5 L  
Flow per minute\*

80%  
Recovery rate (up to)

99%  
Purification (up to)

\*200 ppm at 25 °C

Cases

## Durable and Mobile

The system comes in two durable, shock-resistant cases with wheels and reinforced handles—built for easy transport and tough conditions.



Bluewater Emergency Station 1™	
<b>Product facts and efficiency</b>	
<b>Purification degree (%)</b>	Up to 99%
<b>Liters/minute</b>	Up to 16.5 L*
<b>Total Weight</b>	108 kg
<b>Dimensions per bag</b>	830 x 590 x 500 mm
<b>Purifier 16™ membrane</b>	1x230 / 1kW
<b>Submersible pump</b>	1x230 / 1kW (optional add-on)
<b>Total power, kW</b>	1kW (2kW)
<b>CE-approved</b>	Yes
<b>Country of manufacture</b>	Sweden
<b>Number of membranes</b>	1
<b>Number of filters</b>	3
<b>Efficiency (%)</b>	Up to 80%
<b>Electrical connection</b>	230V AC/50Hz 10A (16A)
<b>Raw water requirements into Case #2</b>	
<b>Pressure</b>	3-10 bar / 0.3-1 MPa
<b>Flow rate</b>	> 20 L/min
<b>Conductivity at 25°C/ 77°F</b>	< 26 000 µS/cm (13000 ppm)
<b>Water temperature [°C]</b>	2-32
<b>Hardness</b>	< 20 °dH
<b>Iron Fe(II) [mg/l]</b>	< 1,5
<b>Iron Fe(III) [mg/l]</b>	< 0,3
<b>Turbidity [FNU]</b>	< 0,5
<b>Manganese (Mn<sup>2+</sup>), mg/l</b>	< 0,3
<b>COD Mn: O<sub>2</sub>, mg/l</b>	< 5
<b>Microbiological</b>	
<b>Heterotrophic bacteria, 48h</b>	< 1000/mL
<b>Coliform bacteria</b>	< 10/mL
<b>E. Coli</b>	< 1/mL
<b>Maintenance</b>	
<b>Filters</b>	4-6 months**
<b>Membrane</b>	4-6 years**
	* Figure varies depending on water temperature & raw water quality.
	** The lifetime of filters and membranes is affected by the quality of the raw water and the operating time of the equipment.

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