

# 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

## Mobile

Handles and wheels

## Robust

Built to take a hit

**20,000 L/day**

Pure water per day

**Up to 99%**

Water purity level

**10 minutes**

Up and running



How It Works – Case #1

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

**BLUEWATER**  
Danderydsgatan 11  
114 26 Stockholm, Sweden  
[sales@bluewatergroup.com](mailto:sales@bluewatergroup.com)

[Bluewatergroup.com](http://Bluewatergroup.com)