

Emergency Station 1™

Portable reverse-osmosis water purification in two rugged cases. Pure water from any fresh or brackish source. One person, 15 minutes.

1,000 L/h

Purification capacity (264 gal/h)

15 min

One-person setup, start to finish

Up to 80%

Water recovery, against roughly 25% for conventional RO

System

Configuration	Two cases. Case 1 pre-filters (three pre-filters, intake hose). Case 2 purifies (Purifier 16 RO membrane, high-pressure pump, control panel, sensors).
Purification technology	SuperiorOsmosis™ reverse osmosis, 0.0001 µm; removes PFAS, microplastics, lead, bacteria, viruses, arsenic and chlorine
Purification capacity	1,000 L/h (264 gal/h)
Pure-water flow	Up to 16.5 L/min
Working pressure	20 bar
Water recovery	Up to 80%
Source water	Fresh and brackish (surface water, river, lake, well, tap)
Filters	3 pre-filters + 1 RO membrane
Maintenance — filters	Every 4–6 months
Maintenance — membrane	Every 4–6 years

Transport and power

Total weight	108 kg (238 lb)
Dimensions (per case)	830 × 590 × 500 mm (32.7 × 23.2 × 19.7 in)
Electrical connection	230 V AC, 50 Hz, 10 A (16 A)
Power, membrane unit	1 × 230 V, 1 kW
Power, submersible pump (optional)	1 × 230 V, 1 kW
Total power	1 kW (2 kW with submersible pump)
Approvals	CE

Raw-water envelope (inlet to Case 2)

Inlet pressure	3–10 bar	Iron, Fe(II)	< 1.5 mg/L
Inlet flow	> 20 L/min	Iron, Fe(III)	< 0.3 mg/L
Conductivity	< 26,000 µS/cm (≈ 13,000 ppm)	Manganese	< 0.3 mg/L
Temperature	2–32 °C	COD (Mn)	< 5 mg/L
Hardness	< 20 °dH	Heterotrophic bacteria	< 1,000 / mL
Turbidity	< 0.5 FNU	Coliform bacteria	< 10 / mL
		E. coli	< 1 / mL

Source water outside this envelope: contact Bluewater for pre-treatment options and a site assessment. Figures are Bluewater's published specifications as of September 2026; recovery and capacity depend on source-water quality and temperature.

Codification and references

NATO stock number	NCAGE code	Designed and made in
4610-64-002-8287	AZPLN	Sweden
Swedish Armed Forces	500 Emergency Stations, delivered during 2026, under a four-year framework agreement with the Swedish Defence Materiel Administration (FMV) signed in May 2025, with an eight-year contract for spares and accessories.	
Special forces	In service with special forces in a NATO country.	
Swedish civil defence	In service. Quantities are not published.	
Ukraine, 2022	One system, donated to a military field hospital.	

Accessories

Consumables and spare-part kit	1, 5 or 10 years
Power generator	2.2 or 3.2 kW
Submersible pump	For surface-water intake
Inflatable tanks and bottles	Multiple volumes

Order requests

Emergency Station 1 is sold directly by Bluewater to civil-defence agencies, armed forces and partners. No price is published; a quotation with price and lead time follows every order request. bluewatergroup.com/bluewater-stations/emergency-station

Specification checklist

Eight criteria that decide a portable reverse-osmosis deployment, the question to put to every vendor, and Emergency Station 1's answer. Written to be lifted into a tender.

Criterion	What to ask every vendor	Emergency Station 1
Source water	Fresh, brackish or seawater rating, with the salinity it is rated at.	Fresh and brackish
Rated flow	Litres per hour on the rated source, not on tap water.	1,000 L/h (264 gal/h)
Water recovery	A published recovery figure; ask whether it is fixed or adjustable.	Up to 80%
Setup	Crew size and time from closed cases to drinking water.	One person, 15 minutes
Transport	Number of cases, dimensions and total weight.	Two cases, 830 × 590 × 500 mm each, 108 kg total
Power	Voltage, phase and current at rated flow.	230 V AC, 50 Hz, 10 A (16 A)
Codification	NATO stock number and NCAGE code.	NSN 4610-64-002-8287 · NCAGE AZPLN
Service	Filter and membrane intervals, and the spares term.	Filters every 4–6 months; membrane every 4–6 years