

WATERS

Water Adaptive & Turbid Eliminating Rehydration System



The pinnacle of manual water purification

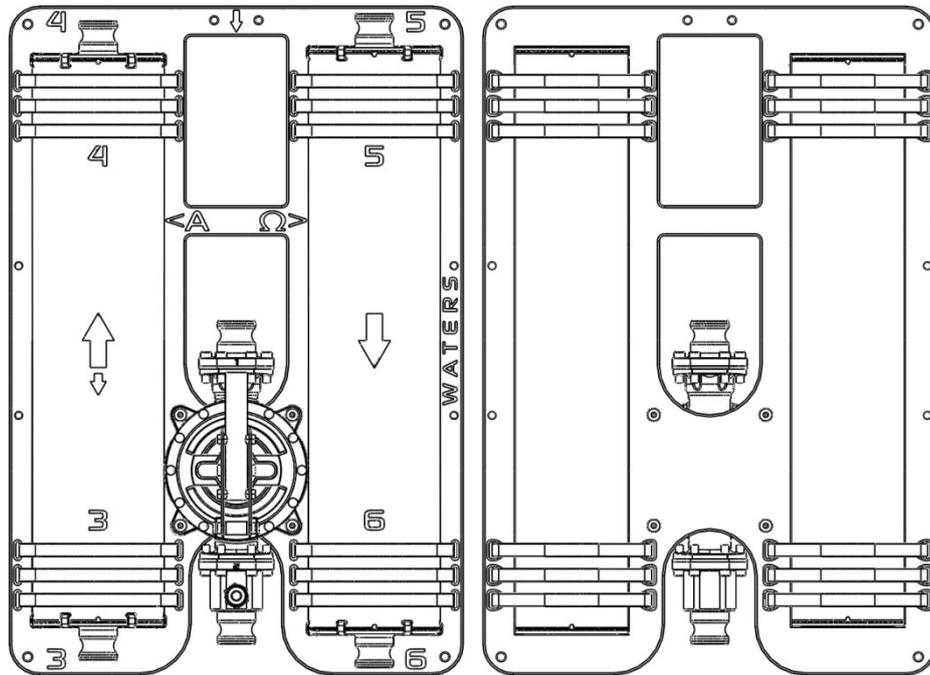
WATERS is an intelligently designed water purification system based on the accumulated field research and development partnership with the Danish Emergency Management Agency through The Danish Ministry of Defense. The research and development behind WATERS is built upon real life operations in South Sudan 2016.

WATERS is an acronym for "Water Adaptive and Turbid Eliminating Rehydration System". This membrane free system does not utilize chemicals, UV lights or complicated monitoring devices prone to breakage. WATERS does not even use electricity to operate and delivers an amazing flow rate of 32 liters/min. WATERS also act as a platform for third party automatic pumps for autonomous water production. These feature sets, along with ultra compactness, transform WATERS into a highly logistic friendly and versatile mobile unit for heavy duty professional applications.

With its superior technology WATERS is suitable in conditions far beyond traditional MF, UF and RO membrane technologies. From sub-zero conditions to near boiling temperatures this independent design is a true all-climate hydration system that not only meets but also exceeds EPA's drinking water standards.

This is the pinnacle of manual water purification technology where performance, economy and logistics are the ever-challenging issues. A powerful and versatile system with super flow performance, extreme mobility and unrivalled logistic advantages.

WATERS SPECS



MODEL

WATERS (HS Code 842121)

DRY WEIGHT

~25 kg

DIMENSIONS

670mm x 450mm x 220mm

32 ltr/min

SUPER FLOW TECHNOLOGY

H_T

HIGH TEMP TECHNOLOGY

S_C

STATIS CORE TECHNOLOGY

FEATURES

Mineral protecting hydration system

Low system maintenance/service

Total system installation/mobilization within minutes

Minimal footprint and maximum logistic efficiency

Fully certified by accredited third party laboratories

Up to 300.000 liters per filter change at ~5 NTU

Removes Bacteria >LOG6, Virus >LOG3 and Cyst >LOG4

Removes chemicals, metals and organic compounds

Flow rate: 32 liters/min

Integrated Pressure Relief Valve (2 BAR WARNING)

Stasis Core (anti bacterial accumulation)

High-Temp filter technology 4 - 80 °C (continuous use)

Adoption of third party automatic pump system

Backwashable ALFA filter for extended system lifespan

Continuous operational pressure: 8-10 BAR

RETENTION POWER



CYST LOG₄ VIRUS LOG₃ BACTERIA LOG₆

WATERS purification meets and exceeds the **Environmental Protection Agency's Drinking Water Regulations** as well as the **Danish drinking water standard**. This includes, but not limited to, the following elements: **Pathogens:** Giardia intestinalis, Escherichia coli, Cryptosporidium parvum, Polio virus, Echovirus, Coxsackie virus and Adenovirus. **Chemicals:** Arsenic, nitrates, nitrites, phosphorus, fluorid, benzene, naphthalene, trichloroethylene, carbon tetrachloride, 1,1,1-trichloroethane, trichloroethylene, tetrachlorethylene, dichlorethane, antimony and mercury. **Metals:** Aluminum, bor, barium, bismuth, calcium, cadmium, cobalt, chromium, copper, iron, gallium, indium, potassium, lithium, magnesium, manganese, sodium, nickel, lead, strontium, titanium and zinc. **Oil & gasoline products:** C₆H₆ – n-C₁₀, nC₁₀ – nC₁₅, nC₁₅ – nC₂₀ and nC₂₀ – nC₃₅. Organic compound: Acenaphthen, fluorene, phenanthrene, fluoranthene, pyrene, indeno, perylene, nonylphenol, nonylphenol monoethoxylat, and nonylphenol ethoxylate.



PEAK COMPONENTS

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