ARC

Antipathogenic Rehydration Core

The peak performance of water purification

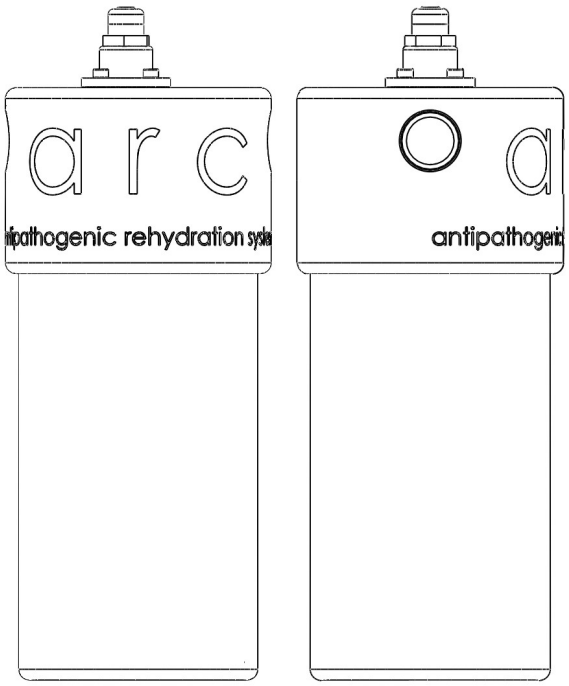
The development of ARC is derived directly from WATERS. ARC is the civilian version of WATERS where only the essential OMEGA core is in operation. The ARC core is designed to be integrated via standard plumbing components to quickly provide safe and pathogen free drinking water to a house hold.

ARC is an acronym for "Antipathogenic Rehydration Core". This membrane free system does not utilize chemicals, UV lights or complicated monitoring devices prone to breakage. ARC does not use electricity to operate and delivers an amazing flow rate of 32 liters/min. ARC has a unique color based differential pressure indicator integrated to signal the user when to change the filter. This enhances the user experience with easy to understand readings and simplistic layout without complicated manometers and displays.

With its superior technology ARC 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 civilian version of the military WATERS technology in an ultra compact and high performance package.

FORSVARSMINISTERIET FORCE TECHNOLOGY STATENS SERUM INSTITUT BEREDSKABS STYRELSEN

ARC SPECS



MODEL

ARC (HS Code 842121)

DRY WEIGHT

~5.7kg

DIMENSIONS

381mm x 162mm x 162mm

32ltr/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 150.000 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

Continuous operational pressure: 8-10 BAR

RETENTION POWER

CYST LOG_4 VIRUS LOG_3 BACTERIA LOG_6

ARC 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.