

PURE WATER PRODUCTION STATION



PUROKIT

Advantages

- Produces demineralized water at low cost
- Works without electricity
- Easy to change the columns (tool provided)
- Columns change color when they become saturated.
- Portable device
- Avoids handling of containers (MSD)
- Low environmental impact

Applications

The PUROKIT portable station produces ultra-pure water for research, medical and pharmaceutical applications.

Description

The PUROKIT features a combination of organic removal by activated carbone, ion removal by 2 R2 ion exchangers, polishing by a TOC ion exchanger and bacterial and particle removal by the FLF filter. The station is delivered ready to use and includes a quick coupling kit for an easy and convenient connection to the water supply.

Properties

- **Chemical resistance :**
INSOLUBLE in acids, diluted bases and standard solvents
- **Colour change of the ion exchangers R2:**
New **BLUE**, saturated **OCRE**
At saturation, all the columns of the station must be replaced.
- **Final filter's sterilisation**
A Sterilisation of 30 minutes in 120°C (or 10 minutes in 134°C) is sufficient to stop the development of all the vegetative compounds.
This sterilisation must be more frequent as the system is few used.

Composition

- Aluminium frame with carrying handle
- 1 activated carbone column to remove chlorine, micropollutants, hydrocarbons, oxidation by-products, detergents
- 2 ion exchangers R2 producing high purity demineralized water, changes color when saturated.
- 1 ion exchanger specially designed for the final treatment producing ultra pure water with a residual Total Organic Carbon (TOC) content lower than 5 ppb.
- Sterilizable filter filtering bacteria at 0.2 µm → suitable to produce sterile water.

Characteristics

- **Conductivity:** < 1 µS/cm
- **pH (at 20°F):** 5,5 to 7
- **Saturation:**
Color indication on the R2 columns
- **Maximum pressure:**
3 bar at room temperature
- **Flow rate:** up to 30 liters/hour
- **Working temperature:** 25°C
- **Storage:**
2 years, in its original condition, at room temperature
- **Size:** 63x17x17 cm
- **Weight:** 6 kg

Replacment column Kit: K.REN

