

POWER OF NATURE

the

CELTIC AQUA

BY EEC GLOBAL OPERATION LLC

Aquam propter vitam



Mobile water treatment CAS WT-03 type for army

Perfect solution for outdoor tracking, army, fire squad, and others rescue squads. The system RUC is able to produce good quality drinking water from the local resources - rivers, lakes, dams and wells regardless of contamination of water solubility substance. This unit rides on 12V or on manual pump. It is produced in two types as a bag or a type to car. The water capacity of each type is different and is able to supply 50 – 200 people. All these units weight is from 15 – 25kg. In the case of mudding water there must be also used filters to separate mechanical water solubility substance. All produced mobile units are certified in European Union.



CAS WT – 02

drinking water for 4000 people per day

In the areas where happen some natural disaster as floods, fires, hurricanes and in all cases where stop supplying water and the local resources could be contaminated is for you the best solution system CAS WT – 02. This water treatment can produce drinking water immediately in full capacity and high quality water for 4000 people per day. This unit can work a couple of months without any service. It takes one hour every day for the automatic regeneration.

PESTICIDES, DIOXINS, RADON

The contaminated water by chemicals for example pesticides, synthetic fertilizers or organic water solubility substance are always big problem to make good quality drinking water. Especially not for the system CAS. These units are perfect for this case of cleaning water and is also able to purified water with contamination of dioxins, furane, phenol and radon. For each specific water contamination is made analysis and after this is produced unique water treatment for this specific contamination without regarding the capacity of the unit.

List of the potential dangerous contamination of water that are able to clean with the system CAS.

- cation of heavy metals: iron Fe, mangan Mg, copper Cu+2, nickel Ni+2, lead Pb+2, etc. also very toxic as mercury Hg+2, cadmium Cd+2, thalium TL+2, arsen, AS+3)
- anion of nitrate NO-3-, nitrite NO-2, phosphide PO4-3, CrO4 -2-chromite CrO4-2, cyanide CN, arsine AsO3-3, AsO4 -3, sulphide S-2, and phenol, SO-3, etc.
- toxic and dangerous micro-organism: bacteria, fungi, virus, algae, protozoa (including *Clostridium* and *Cryptosporidium* bacteria)

The CAS system for sewage clarification plant, recycling water in industry, fish farming...



This technology has the basic characteristic:

- high efficiency of decontamination 98%,
- selective fixation of contamination can solve individual problems with water decontamination (after analysis)
- very small quantity of wastewater with possibility to produce fertilizer from wastewater (high content of phosphorus and nitrogen).
- non chemical methode water treatment
- competitive product – because of small size these units they can be used in builded tehnologies
- this technology can be add to built plants to improve it
- decontamination of hardly detectable svstances and liquids for example: sulfate, chloride, heavy metals, metal complexes with humic and fulvic acids, (mercury, lead, chromium three and six-valuable, radioactivity, nitrate, nitrite, cyanide, etc.).
Virtually the entire periodic table
- high quality water treatment

Výhody nabízené našim systémem:

- no service running and easy maintanance – full automatic
- long term durability of exchanger during the automatic cleaning
- small size technology, possibility to add more units
- long term service terms
- residual amount of sewage
- option of selective decontamination
- Unlimited capacity because of modular system

High level water purification

With this technology is possible to produce water on the top level of quality that need hospitals, can be use for drinking or for sanitation medical equipments.

Other technology for water treatment is called CELTIC NATURE that should make this water probiotic. It means that the water is mineralizade. This type of water is great for people that has problmes with stomach. The treatment of water can be individualize for the customer.



Sales person

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