



## Water Purification System

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## Company Profile

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**Groundwater Engineering** is an international company specializing in water well engineering, dewatering and groundwater control for clients in the construction, mining and oil & gas industries

Backed by decades of industry experience and technical expertise we are committed to providing our clients with high quality and cost-effective solutions to their groundwater problems based on offering services in:

- Contracting
- Consultancy
- Equipment sales and rental



## Synopsis

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- Overview of MECKOW Aquapur systems
- Technology
- Water source
- Application



## MECKOW Aquapur Overview

- **Aquapur** is a unique water purification system which can transform contaminated water from almost any non-saline source into safe, clean drinking water.
- There are two tapped outlets on an **Aquapur** unit:
  - The first provides safe clean drinking water.
  - The second can be utilized for hygiene purposes, such as hand washing to help prevent the possible spread of diseases.



## MECKOW Aquapur Overview

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- **Aquapur** requires no electricity for the filtration process and produces 1000 liters of safe clean water per hour. Eliminating diseases and sufficient to supply up to 2000 people per day, with safe clean drinking water, the **Aquapur** unit is therefore ideal for communities in the developing World.



## Technology

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- Produces a constant supply of safe drinking water – each unit is sufficient for a community of 2000 people.
- Operates WITHOUT the need for electrical power
- Can be easily transported, installed and maintained. at very low cost, requiring minimal training to operate.
- Requires only very occasional, simple replacement of consumable items – which are always readily available – worldwide.



## Technology

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- Withstands the extremes of the elements and successive relocation, by being strongly made from materials which ensure a satisfactory working life for the system of more than 25 years.
- It requires NO specialist skill for installation or routine maintenance.
- Maintenance involves simply removing the primary filters, before washing and replacing them. The chemicals used for purifying the water are readily available world-wide, the frequency of replenishment being dependent on the quality of the source water.



## Water Source

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- Water from almost any source may be processed and purified by the **Aquapur**, provided that the source is 1 meter above the unit's inlet valve, for example:
  - Stream or river water, or piped supplies which are presently unsafe for use.
  - Borehole water can be obtained by lift, solar, wind or electrical powered pumps.





# Application

- **Typical Applications**

- Remote/Rural Communities
- Refugee Camps
- Construction Sites
- Disaster Areas
- Military Deployments



- Multiple **Aquapur** units can operate in parallel if the demand of clean water supply is higher. The output of the numbers of **Aquapur** can be directed to a single reservoir.



**Thank you for your attention!**

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