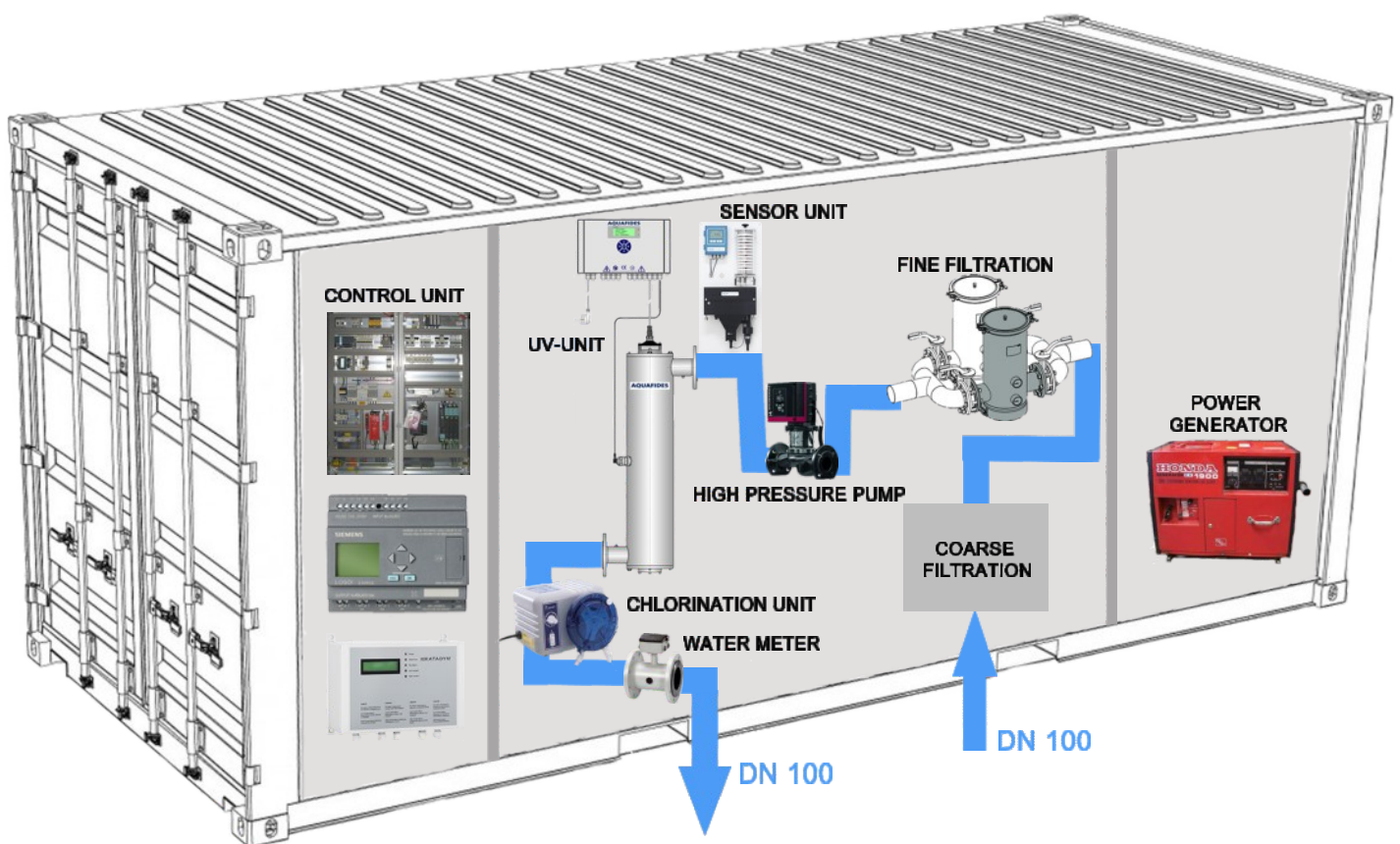


MOBILE WATER TREATMENT

For Polluted Catchment Sites



10m³/h up to 100m³/h
Modular Construction

WORLD WIDE WATER



MOBILE WATER TREATMENT

Clean potable water ensures survival and is the basis for our health. The Mobile Water Treatment Plant of MTA transforms polluted raw water in a very short time into pure potable water - anytime - anywhere - due to modular design tailored to your individual requirements.

Potable Water
anytime & anywhere

APPLICATIONS

- Contaminated sources
- Temporary failure of waterworks or water catchment sites (wells, sources, desalination plants)
- Disasters such as earthquakes, flood, war events
- Backup to supply failure (civil protection, hospitals, barracks, isolated camps and settlements, ...)

PLANT CONSTRUCTION

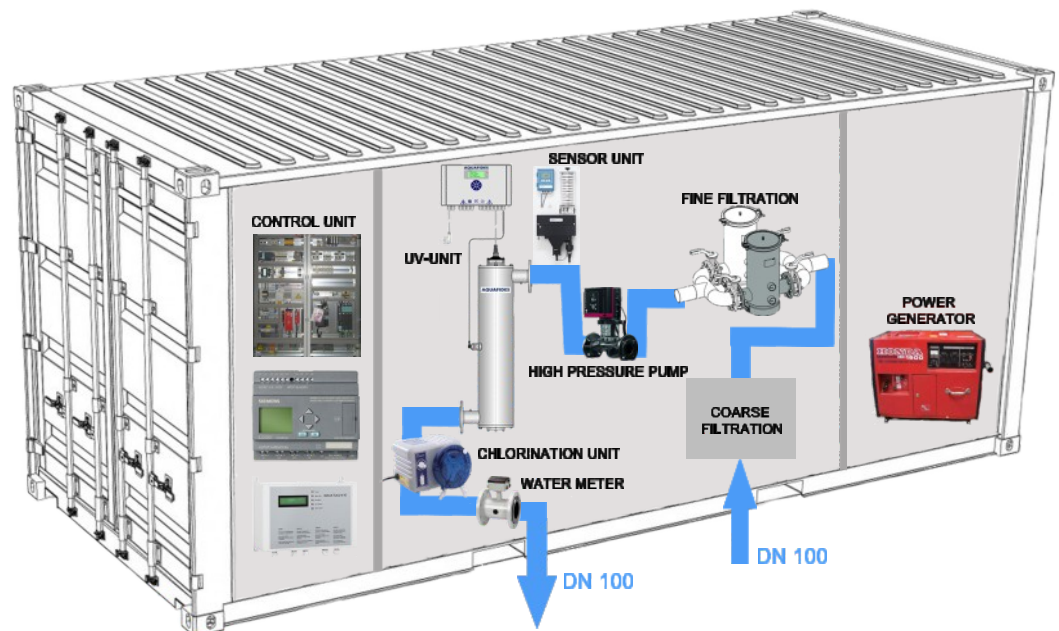
- Capacity 10m³/h up to 100m³/h
- Trailers up to 50m³/h
- Steel containers up to 100m³/h
- Special sizes possible
- Dehumidification system
- Air conditioning or heating system depending on the application

BENEFITS

- Quick readiness for action
- Easy transport by trailer, truck or helicopter
- Raw water from surface water, lakes, rivers, wells, ...



Individual planning
and design
according to
your requirements!



COMPONENTS

COARSE FILTRATION

Separation of any solids from a size of 0.5mm

FINE FILTRATION

A fine filter is used for the filtration of undissolved substances. Micro- or ultramicro filter cartridges can be installed as options. An easy-open lid allows a quick filter cartridge replacement keeping the operational interruption short. Due to a raw and pure water manometer the pressure is always under control.

optional

CARBON FILTER

When filtering the water activated carbon filters absorb harmful substances and materials.

HIGH PRESSURE PUMP

To ensure the supply pressure

UV-DISINFECTION UNIT

The UV disinfection removes hygienically relevant bacteria and viruses. All other constituents in the water are not affected.

optional

CHLORINATION UNIT

An additional chlorination unit provides optimal water quality even in extreme cases, such as in southern countries.

WATER METER

An electronic water meter records the emitted treated water quantities.

POWER GENERATOR

Petrol or diesel - depending on requirements
Optionally a grid connection is possible.

WATER TANK

The water tank made of stainless steel is environmentally friendly, non-corrosive and durable - without affecting the taste of potable water.

SENSOR SYSTEM

Sensors for measuring pressure, turbidity, temperature, ORP and conductivity ensure controlled treatment of the raw water.

CONTROL UNIT

Using the control unit all basic functions can be monitored and regulated during operation. Optionally the control unit can be combined with WCS – Water Control Systems®.

optional

WCS WATER

CONTROL SYSTEMS®



WCS – Water Control Systems® is used for remote monitoring of dynamic readings and static state inquiries. The measurement data presented in graphical or tabular form can be accessed via web interface. When exceeding individually defined limits, an alarm message via SMS and/or e-mail is sent to the emergency service.

All components are exclusively supplied by renowned European manufacturers.

WORLD WIDE WATER

anytime & anywhere

DEFINITION „POTABLE WATER”

Potable water is water that is suitable for human consumption due to its natural state or after treatment, without endangering health, and that its smell, taste and appearance is sanitarily proper.

(Austrian Food Codex)

