

AQ3

BREAKTHROUGH WATER TREATMENT TECHNOLOGY



AQ3 - the unique water purification system is based on a number of groundbreaking inventions in the field of nano technological, and molecular water purification.

The result of the long-term effort of the Research Technological Institute (VTI, Prague), supported by NANO Detox Trading (Ras Al Khaimah, UAE) is absolutely unique product, which is unparalleled in the world. AQ3 has tremendous range of applications.

AQ3 Description

AQ3 Technology is able to treat any type of input water. It removes any kind of biological, bacteriological, mineral, gas or toxic contamination. It is able to purify any contaminated water and turn it into clear spring, healthy and healing water. All this happens strictly only by physical processes **without any chemicals!**

LOW Energy Consumption

The AQ3 Technology is based on nano filtration combined with other technologies. It consumes extremely low amount of energy (0,06 to 0,14 kW per 1000 liters of water).

Electric Grid – NOT NECESSARY ANY MORE

AQ3 Technology devices can be operated anywhere and connected to any source of electrical energy. Solar panels are enough for any kind of device in remote places. Surplus energy is stored in batteries for night operation.

Amazing Purity

Regardless of the source of water hundred percent sterility of water is guaranteed and monitored. The water is sterilized more than ten times by combination of several technologies. They destroy any bacteriological and biological contamination. There is a special unit removing even dead bacteria! The entire process is based on physical, natural processes controlled by computer with our special unique software. We create water that **contains no bacteria (living or dead)**, undesirable metals, and toxins, biological, gaseous or other pollutants. The devices can also produces a high quality, minerals balanced, vital and healing drinking water of unbeatable quality.

AQ3 makes several kinds of perfectly pure, fresh water, which remains fresh in storage tanks at least 120 days without any other treatment.

Low Maintenance Cost

AQ3 Technology has extremely low maintenance cost. Thanks to its unique self-cleaning system (no chemical used!) there is no need to exchange membranes. The device lifetime is 30 years.

The device is monitored and controlled by computer. The device operational and water quality data can be continuously evaluated remotely from anywhere in the planet.

AQ3 – TECHNOLOGY OF FUTURE!



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AQ3 Family

AQ3 Family covers practically any customer requirements. AQ3 Family starts from small and simple devices through sophisticated home technology towards to big industrial, agricultural or municipal applications.



AQ3 Mini

It can be easily installed in your kitchen. It turns your tap water to high quality water excellent for drinking and cooking. Maximum daily production is 100 liters. No electricity required!

AQ3 Midi

This model is only slightly larger than the smallest AQ3 Mini, but it has considerably higher performance and product quality. It is electronically controlled with RCS System (Remote Computer Supervision). AQ3 Midi produces AQ3 Drinking Water and AQ3 Pure Water, which is the best for washing, dishwashers, washing machines, etc. Daily output is about 300 liters. AQ3 Midi is suitable for apartments or small houses.

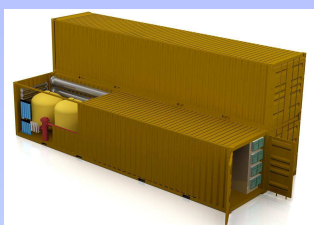


AQ3 Home

AQ3 Home is ideal for larger apartments or houses. Sized of small refrigerator it produces AQ3 Drinking Water and AQ3 Pure Water in an amount up to 3,000 liters per day. This device is equipped with the RCS System and all other special features supplied as the standard in this class.

AQ3 Home Plus

Enhanced version of AQ3 Home is maintaining the small size of its smaller sister. The customer recognizes the difference especially in the amount of produced water. The daily water production is up to 7,000 liters. AQ3 Home Plus is equipped with the RCS System and with all the systems for ensuring perfect purity and sterility of water. Excellent for a big house, a few houses or an apartment house.



AQ3 Village & AQ3 City

AQ3 version used for production of AQ3 Pure Water for small agglomerations - 15 to 50 cubic meters of water per day. There is an option of sewage purification & recycling. High quality of AQ3 Pure Water in the distribution system and significant reduction of total water consumption is achieved. AQ3 Village fits in a 20 feet container. AQ3 City fits in 40 feet containers modularly according to required capacity above 50 cubic meters. The RCS System and all special features are installed. Solar panels usage is optional.

AQ3 Agricultural & AQ3 Industry

It is designed for the higher volumes produced - over 50 m³ of water per day. The device produces AQ3 Pure water, which is **physically** treated and enriched by minerals required by a particular plant. **It can significantly reduce the usage of chemical fertilizers.** It is supplied in 40 feet container type. The RCS System and all special features are installed. Solar panels installation is optional. This AQ3 Industry is individually designed for every factory or company purpose.



AQ3 Hospital

This model is designed for hospitals and laboratories with specific requirements for the water purity. The produced amount of water from 5 to 100 m³ per day, designed in 20 feet containers. It is possible to customize the AQ3 Hospital for the production of very high purity laboratory water.

AQ3 Humanitarian

This type has a wide range of use in humanitarian aid projects such as refugee camps and field hospitals, as well as aid operations in areas affected by environmental disasters and disruption of infrastructure, where sources of drinking water are contaminated. AQ3 Humanitarian is transported to an affected area and connected to a local water source, from where pure and high quality water is produced. Solar panels for independent operation are standard equipment. Daily capacity (20 to 50 cubic meters) depends on the local conditions. AQ3 Humanitarian is designed in 20 feet or 40 feet container.

