

Professionals in water!

Solutions and systems within the potable water, waste water and process water industry.

RWB differentiates itself by supplying standard systems on the one hand and by developing custom made solutions on the other hand. By keeping all disciplines, like engineering, process management,

assembly, commissioning and maintenance in-house and also because of a 24/7 service, RWB can offer a complete package in water treatment. That is our added value!

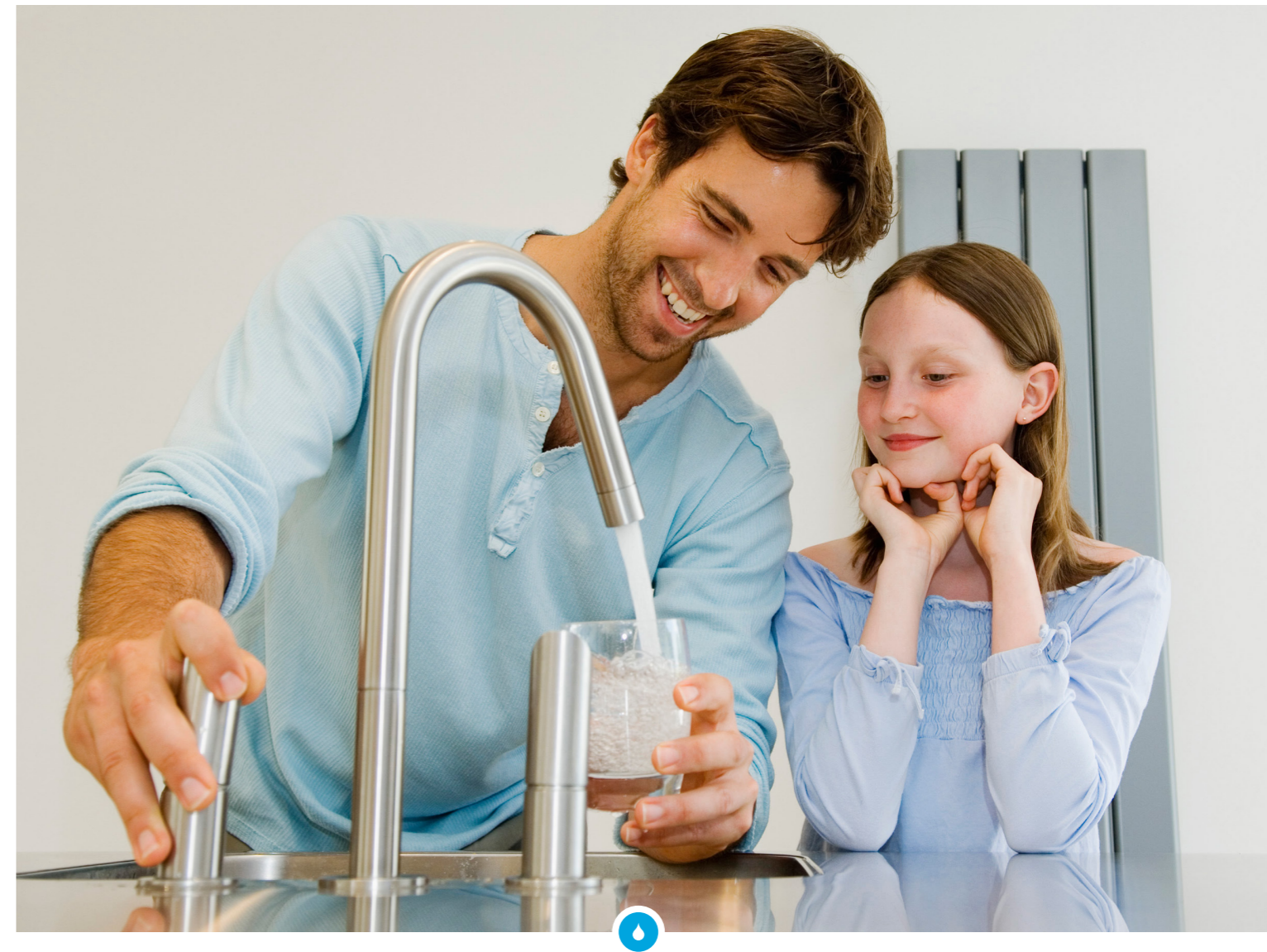
RWB's services

- Process technology
- Engineering
- System realization
- Service



DRINKING WATER

Take care for a healthy life



DRINKING WATER

ALWAYS ACCESS TO DRINKING WATER FOR EVERYONE! *There shall be enough and it tastes good.* **ANYBODY HAS A RIGHT TO GOOD TAP WATER. BETTER FOR THE ENVIRONMENT AND LESS WASTE!** *I'am thirsty after a day shopping. I NEED TO TAKE MY MEDICINE AT ALL TIMES. WATER IS MY NECESSITY OF LIFE AND TASTES BETTER THAN SODA. I'AM ON DIET. bottled water is less sustainable I've little money and a lot of thirst therefore, IT IS HEALTHY WATER serve water! Extraordinary healthy and it is above all very tasty. BECAUSE BOTTLED WATER IS EXPENSIVE.*

Ceramic membrane filtration system

The last years we learned more about medicine residues, bacteria, cryptosporidium and other protozoa in our raw water sources. The dutch water industry recognized this issue and started working on solutions. With the introduction of the metawater ceramic membrane filtration system new possibilities appeared.

Proven technology

Conventional treatment processes, such as sand filtration, are being replaced by treatment processes using membrane filtration. Metawater embarked on the development in 1989 and participated in the national water supply system projects in Japan to create a ceramic membrane filtration system with higher performance at lower cost.

Guaranteed reliability

Membrane reliability is critical in securing the safety of the water supply system. Due to its characteristics of high strength, the ceramic membranes act as unbreakable mem-

branes that contribute to higher safety in water supply systems. Since the first installation in 1998, no membrane breakage has occurred. The metawater system produced about 140 billion liters of water in 2009. There are sites under construction right now to double these figures on a yearly basis.

Compact and efficient

Despite these amazing figures, the smallest modular system delivers about 50 m3 per day. Thanks to the low hydraulic resistance and high system efficiency (up to 99.5%) the energy consumption is extremely low. Together with the long guaranteed lifetime (minimal 10 years) and the recycling possibilities, the system is a big step forward in reducing our carbon foot print.

ECA Water Treatment

Ceramic membrane technology in combination with ECA water treatment is an absolute winner. ECA concerns a water treatment system which replaces chemicals used for demolishing micro-organism. The operation of this system is based on the so-called Electro Chemical Activation (ECA). The

most essential characteristics of this system are its eco friendliness and its economical features. Therefore it is very interesting both economically and ecologically, because this system replaces the chemical used to kill bacteria and fungus, generally used in agriculture. Furthermore this system can be put to use to demolish certain organic compounds, mainly pesticides, used frequently in agriculture, and prevent environmental overload. The systems efficiency and effectiveness has been proven in several foreign researches and applications. Tests have been performed according to EN 1276 and EN 1650.

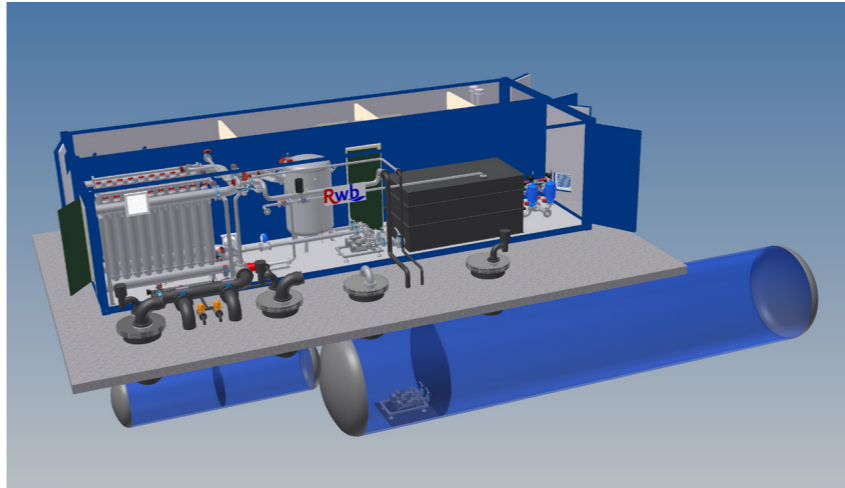
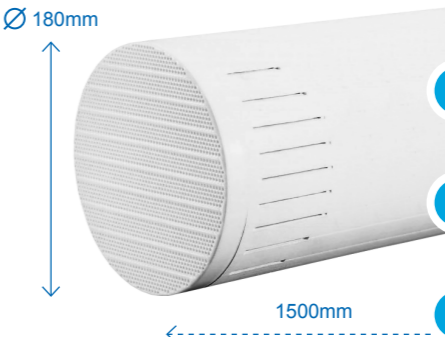
Start with the right information

Although we already tested the system in many challenging environments, we guarantee trouble free operation in advance with the right information. Please contact one of our engineers and let them inform you about your possibilities with this robust technology. They can assist in pilot testing, investment calculations and operational costs to help you make a clear decision.



The RWB approach

Enthusiasm and passion underpin extraordinary achievements. Our added value is delivered by our people, they are our most valuable asset. Our engineering team works to meet your demands. We guarantee water quality and quantity, or other goals we set together with our customers. We believe good results will lead to customer satisfaction.



Advantages tapwater

- Always fresh, healthy water.
- Perfect water. No bad taste.
- Heavy metal removal (copper, lead, cadmium, manganese, iron, arsenic zinc etc.).
- Optional Hardness control.
- Desinfection.
- Cost efficient.

For every plastic bottle 25 ml crude oil is used. Moreover, the worldwide environmental load by plastic bottle production, transport, handling and destruction is enormous (approx. 2,7 million tonnes plastic water packing per annum)!