

## Prize-winning...

Environment Prize 1999 of the German Federal State of Mecklenburg-Vorpommern, Environment Prize Austria 2001, Founder Champion 2002, OWL Innovation Prize 2003, Financial Times Germany »Potential Innovation 2004«, »Finalist« Entrepreneur of the Year 2004, 2005 and 2006, »Finalist« Grand Prize of Small and Medium-sized Businesses 2005, »Winner« Grand Prize of Small and Medium-sized Businesses 2007, Innovation Quality Sea »TOP 100« 2006

## Intuitive, flexible, intelligent: ProControl – the control centre of the AQUAmax<sup>®</sup> PROFESSIONAL systems

The illuminated clear text display with four lines, the modern menu management and the possibility of software update using the integrated interface make this control unit not only the switching unit for the eight hour treatment cycle but also the true high-tech switching centre of your wastewater treatment plant. Whether it is the weekly running times, manual interventions or interruptions of the function – every action is recorded in an electronic logbook, similar to the telephone book in a mobile telephone. In this way, for example, the maintenance service can view all important events, even months later. In addition, the voltage failure detection system UVS<sup>®</sup> ensures that a fall in the supply voltage does not remain unnoticed. Naturally with all this ATB has thought of the future: should the legal requirements increase further, using the ProControl you can profit from all future develop-

ments through the update-and-extension option - even many years ahead. Through this, the treatment performance of the plant can be continuously improved. This is already possible today with the AQUAmax<sup>®</sup> BLUE UV disinfection and with phosphate precipitation. Further expansion options, such as the GSM module for automatic fault transmission, are also already available.



## AQUAmax<sup>®</sup> PROFESSIONAL

AQUAmax<sup>®</sup> wastewater treatment plant systems. A brand of ATB Umwelttechnologien GmbH.

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On request, we would be happy to send you further information such as detailed data sheets on our products or our Journals with their national and international reference projects.

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For real professionals: the fully biological SBR wastewater treatment plant system for gastronomy, hotel and commercial objects, small communities and villages as well as companies producing foodstuffs – for up to and including 60 cubic metres of wastewater or 400 PT respectively.

**THE ORIGINAL**  
 More than 40.000 installed  
 AQUAmax<sup>®</sup> wastewater  
 treatment plants worldwide!

## Because the protection of our surface waters is close to our hearts

For commercial and municipal users who want really professional solutions:

**AQUAmax® PROFESSIONAL – the wastewater treatment plant system for organic wastewater up to 60 cubic metres/400 PT\*.**

### Many good reasons why real professionals put their money on the AQUAmax® PROFESSIONAL ...

- ✓ **Universal**  
The AQUAmax® PROFESSIONAL series is suitable for almost every biologically degradable wastewater.
- ✓ **Flexible – even with refitting**  
The AQUAmax® PROFESSIONAL can be installed in almost every type of tank – from concrete, through plastic to GRP.
- ✓ **Low costs for maintenance and spare parts**  
The AQUAmax® operates neither with a compressor nor with a blower with which parts subject to wear and tear have to be exchanged regularly.
- ✓ **First class effluent values**  
With the observance of the max. organic pollution load\* the effluent values demanded by the individual European countries are significantly undercut!
- ✓ **Phosphate precipitation + disinfection**  
Assured phosphate precipitation comparable with the German National General Technical Approval, Stage +P, as well as disinfection comparable with the German National General Technical Approval, Stages D +H are available optionally in future!
- ✓ **Future-assured**  
Through the AQUAmax® modular system the existing plant can be expanded at any time, at all times matching the state-of-the-technical-art through software updates.
- ✓ **Experience**  
The most-purchased SBR wastewater treatment plant in Germany; across Europe more than 40,000 installed plants!
- ✓ **Security and service**  
Service Europe-wide.

#### AQUAmax® PROFESSIONAL GM



For multi-chamber pits for 0.15 - 3 m³ wastewater/1-20 PT\*.

#### AQUAmax® PROFESSIONAL GZ



For two or three tank plants for 0.15 - 8 m³ wastewater/1-50 PT\*.

#### AQUAmax® PROFESSIONAL XL

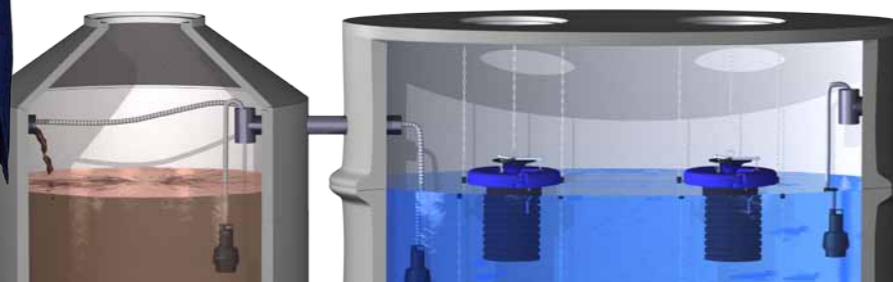


The modularly structured and service friendly SBR wastewater treatment plant for up to and including 60 m³ wastewater/400 PT\*.



### This is why we invented the AQUAmax® ...

When, years ago, smaller wastewater treatment plants were still very complex, we revolutionised the treatment of wastewater with the invention of the AQUAmax®. At last it was possible, even in this area, to treat wastewater simply, well and efficiently. Today our medium-sized family business is applied Europe-wide as the standard for innovative and strong performance treatment systems and, through the engaged specialization on plants up to 400 PT, ensures mature and tested solutions to problems. All these achievements have, on many occasions, received awards from significant national and international bodies and have made the AQUAmax® into the branded wastewater treatment plant most sold in its segment. It is not for nothing that the AQUAmax® is effective, innovative and future-assured!



In collaboration with test institutes and universities at home and abroad, the AQUAmax® PROFESSIONAL wastewater treatment plant system was developed on the basis of our market-leading AQUAmax® CLASSIC and AQUAmax® BASIC small wastewater treatment plants especially for users from the commercial field as well as for small communities. It functions according to the well-proven SBR process, which is employed in full-scale treatment technology and also with small wastewater treatment plants. On this basis the AQUAmax® PROFESSIONAL System enables high quality, above all economic and tailored solutions for nearly every requirement.

**AQUAmax® PROFESSIONAL G (GM + GZ):** The fully biological SBR wastewater treatment plant for multi-chamber pits and multi-tank plants from 0.15 to 8 m³ volumes of wastewater or 1 to 50 PT\* – for new construction and for retrofitting. Developed specially for the highly loaded wastewater from hotels, gastronomy and foodstuff processing operations on smaller scales: the "G" variants of the AQUAmax® PROFESSIONAL – naturally with pump technology "Made in Germany". Apart from one pump, which is located in the buffer tank, the complete technical part of the AQUAmax® PROFESSIONAL G is installed in a long-life frame, specially developed for this plant. Expensive matching to the tank as well as installation and maintenance tasks under water thus belong to the past and even the retrofitting of old plants is possible without excavation work.

**AQUAmax® PROFESSIONAL XL:** The modularly structured and service-friendly SBR wastewater treatment plant for up to and including 60 m³ volume of wastewater or 400 PT\*. The AQUAmax® PROFESSIONAL XL is specially conceived for gastronomy, hotel and commercial operations on a larger scale, for food stuff producing companies as well as for housing developments and smaller villages. Through individual, modularly structured aerators, which can be combined together with different wastewater treatment plant sizes up to 60 cubic metres (400 PT), the AQUAmax® PROFESSIONAL XL system can be employed very flexibly. All units can be removed from directly above the plant. Naturally the AQUAmax® PROFESSIONAL XL also has exclusively high quality pump technology "Made in Germany".

\* Daily volume of wastewater per PT: 150 litres with max. 60 g BOD and 120 g COD.