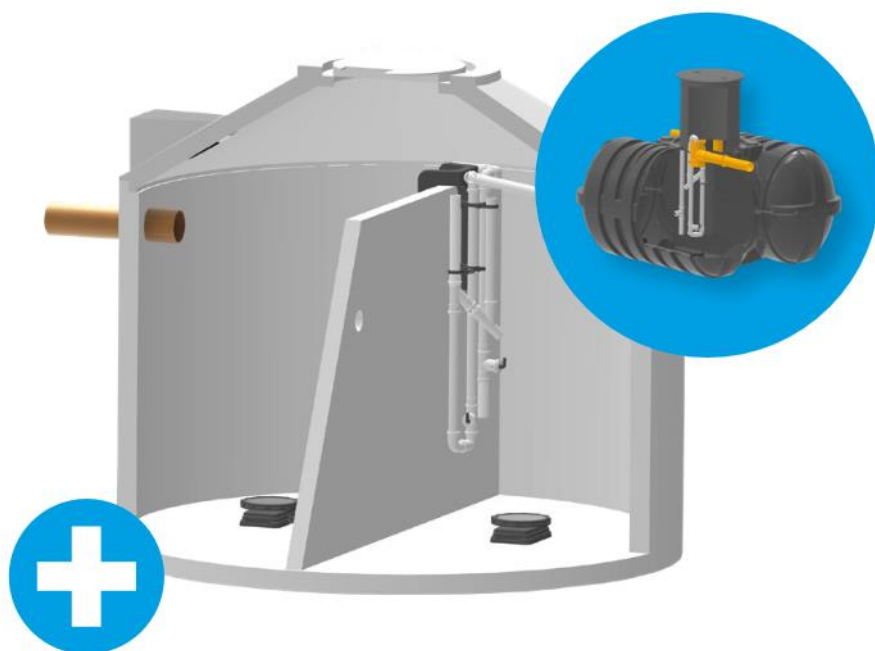


EXPERTS IN WASTE-WATER TREATMENT

SOLUTIONS BY INDUSTRY



ADVANTAGES

- + No odour nuisance
- + No fouling processes
- + Long sludge removal interval
- + Prevents corrosion in concrete tanks
- + Significantly reduced operational costs



ADDRESS:

No. 121/B1/1
Chilaw Road,
Negombo.
Sri Lanka

CONTACTS:

Office : 031 332 2253
Mobile : 071 481 9398,
071 405 2829
Email : info@aquablu.lk
Web : www.aquablu.lk

Our solutions can be applied across varied sectors and for any capacity from a household to a large-scale condominium or even a residential village. Many of the commercial and residential clients, who have limited space and are in the dire need of discharging environmentally safe effluents can find suitable solution through our technologies. The treated effluents can further be customized to be recycled for irrigation or non-sanitary usage complying with the regulatory tolerance limits.

- ⇒ Hotels & Restaurants
- ⇒ Schools & Universities
- ⇒ Hospitals & Nursing Homes
- ⇒ Municipality and Households
- ⇒ Breweries & Beverage industry
- ⇒ Meat & Fish processing industry
- ⇒ Dairies & milk processing industry
- ⇒ Refugee camps & Boarding schools
- ⇒ Sand & Mineral mining and washing
- ⇒ Rainwater harvesting & water storage
- ⇒ Catering and Food preparation industry
- ⇒ Military Camps & mobile emergency camps
- ⇒ Factory buildings, Worksites & Office buildings
- ⇒ Bakeries and Confectionary manufacturing industry
- ⇒ Condominium residences & Residential housing schemes
- ⇒ Coconut product and Agricultural product processing industry
- ⇒ Landfill Soakage water, treatment ponds & Landfill destined waste
- ⇒ Livestock, Animal research centers, Animal waste, Butcheries & Slaughterhouses
- ⇒ Pharmaceutical manufacturing, Medical laboratories, Pathological & Hazardous waste
- ⇒ Pre-filtration in RO & Nano technology & Post-filtration in ground-water cation removal



Our sewer treatment plants (STPs) are fully biological, designed upon the latest SSB® technology (sequential stabilizing activated sludge process - an aerobic sequential wastewater cleaning system with integrated sludge stabilization) developed by AQUATO® Umwelttechnologien GmbH, Germany.

These three phases of the SSB® process can be operated in modern single- or multi-chamber tanks or easily, without major structural changes in existing older tanks.

All steps in the plant are carried out on a regular cycle, which is set and driven by the control panel.

A cycle consists of the following phases:

1. Aeration Phase:

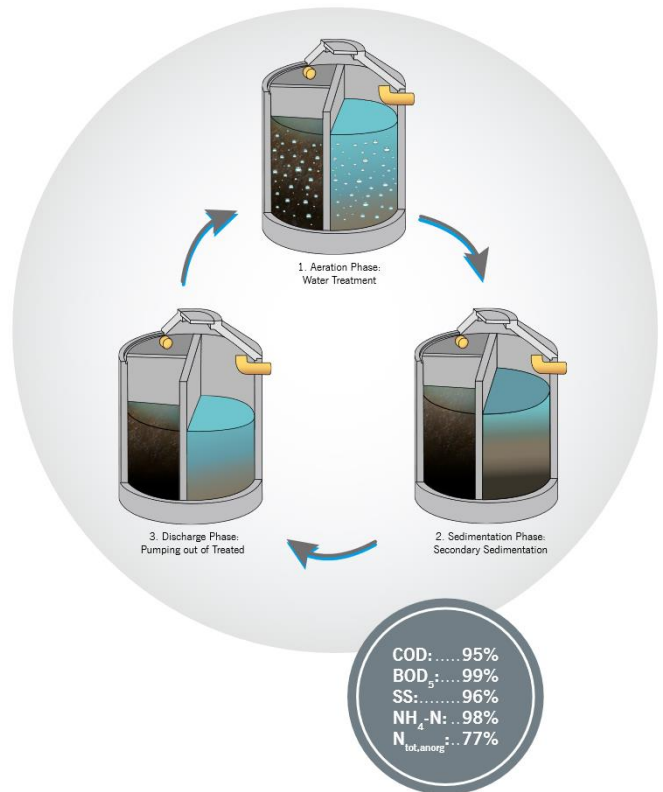
The incoming sewage initially reaches the first chamber. Here the biological treatment of the wastewater starts. Organic compounds are removed by microorganisms in the activated sludge. Optionally, the process of denitrification takes place here. In addition, coarse material is retained in the first chamber.

2. Sedimentations Phase:

Biological treatment of the wastewater also takes place in the last chamber. In the same chamber but separated by time final sedimentation takes place. The activated sludge settles down to the ground of the aeration tank and the cleared water separates in the upper part of the tank.





3. Discharge Phase:


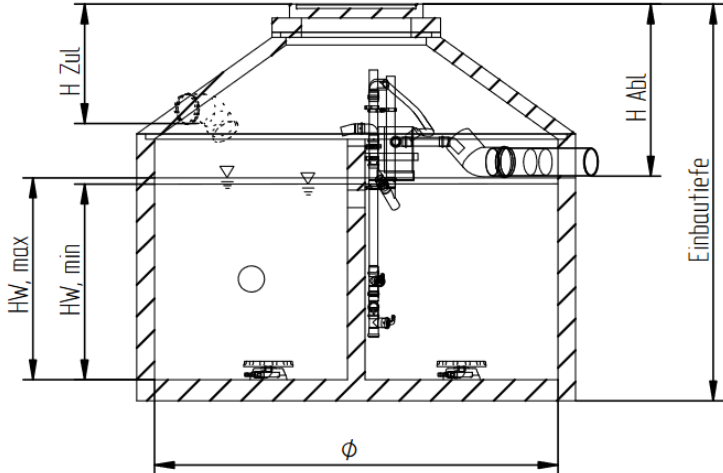
The clearwater is pumped out of the tank through the outlet.


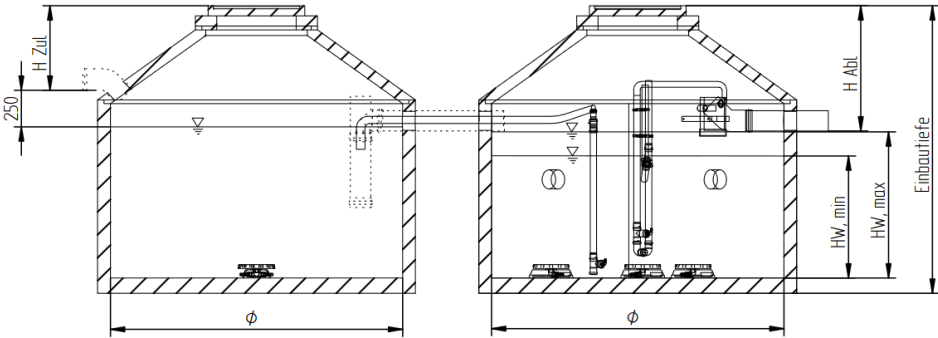


+ ADVANTAGES

- ⇒ Reduced technology - thus less susceptible
- ⇒ No electrical components submerged in water
- ⇒ High level of operational safety due to modern technology
- ⇒ Longevity due to proven units
- ⇒ Simple and safe assembly and retrofitting
- ⇒ Low maintenance costs due to easy handling
- ⇒ Low power consumption
- ⇒ Economy mode optional
- ⇒ Excellent discharge values even with over- & underload

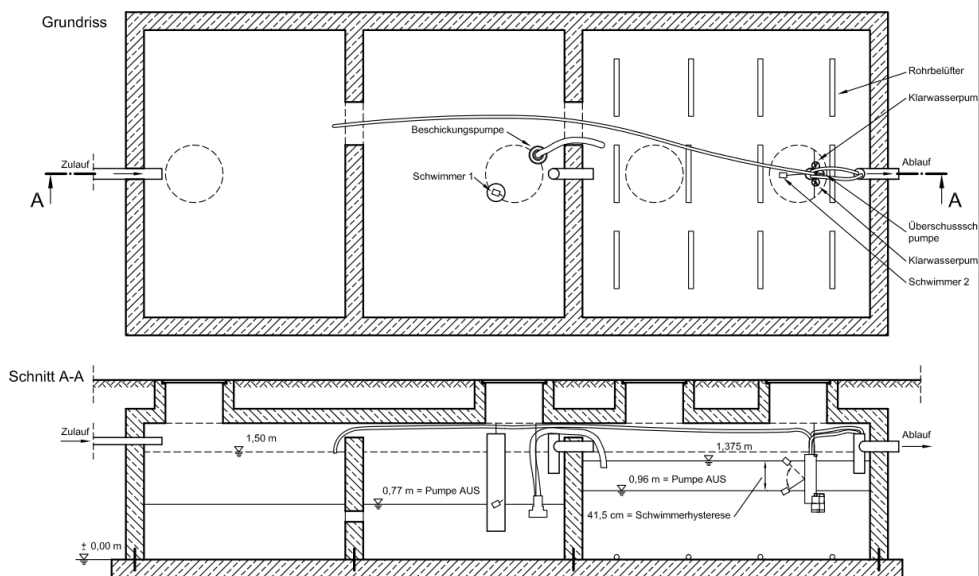
			
The modern plain text display gives all the important data at a glance to minimize the maintenance effort, a backpressure monitoring is integrated	Integrated rotary valve with step motor technology simplifies the cleaning cycle, energy saving and quiet.	The unique air-lift technology eliminates the presence of underwater pumps and moving mechanical parts.	Specially made fine-bubble diffusers assures the high percentage of DO during the aeration process.

Model: AQUATO® STAbi-S	Capacity: up to 3,000 liters a day
	

Model: AQUATO® STAbi-KOM	Capacity: up to 20,000 liters a day
	

Model: AQUATO® ORKA

Capacity: 75,000 -300,000 liters a day



The PUROO®, small sewage treatment plants specially designed for households comes with both SBR® and enhanced SSB® versions.

Model: PUROO®

Capacity: up to 2,000 liters a day



Physio-Chemical Solutions



AquaChem

For industrial effluents which contain higher loads of non-bio-degradable pollutants, we offer home-grown alternative technologies based on Physio-Chemical principles. Different formulations of coagulants and Flocculants are applied in the process. Batch and continuous treatment mechanisms are designed to meet the regulatory discharged standards of authorities, and client preferences.

Incineration - for solid waste disposal



To handle the serious environment problem of accumulation of "Non-biodegradable" and "Hazardous" waste, we offer "Inciner8" a globally respected manufacturing organization in UK, offering a range of Incinerators for all applications in the waste management industry such as Medical, Animal, General and Municipal etc. Our products are specifically designed with clean air incineration they are ideal for many industries. Our incinerators comply with many regulatory standards and are CE certified. Presence of the secondary chamber allows the Flue-gas treatment by preventing the cracking of dioxins.

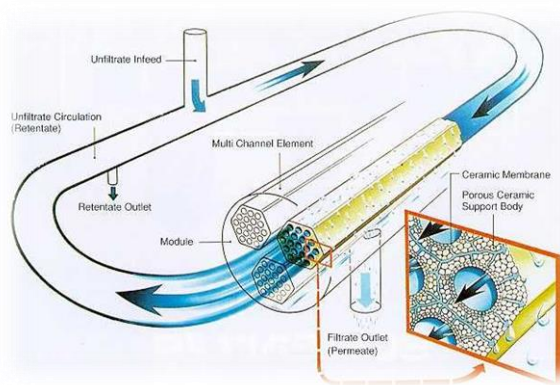


Ceramic Membrane Micro-Filtration

KERASIEV®

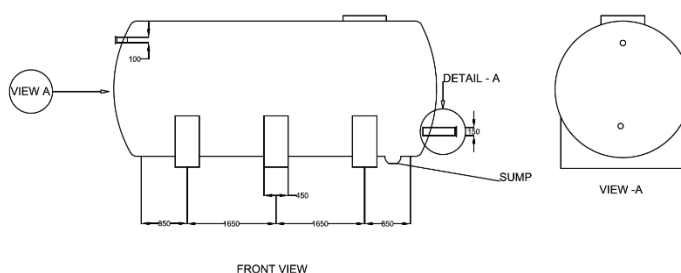
KERASIEV® Ceramic Membrane

Filtration/separation science is considered as one of the most important process or unit operation for the Modern mankind. Membrane is an important tool in separation science of which ceramic membrane is rightly termed as the 4th generation membrane as it is durable, efficient, and faster than existing polymer membrane or conventional filtration process.



Fiber re-enforced Tanks (FRP)

We fabricate and deliver different capacities of tanks out of fiber reinforced plastic (FRP). These tanks are useful in storing wastewater, drinking water and for rainwater harvesting purposes.

**+ ADVANTAGES**

- ⇒ Easily relocatable
- ⇒ Use as a STP retrofitting unit
- ⇒ Less weight
- ⇒ Customizable to many shapes & sizes
- ⇒ Speed delivery
- ⇒ Ease of modifications

Aquablu Lanka (Pvt) Ltd is a collection of highly qualified and experienced professionals, recognized by the Central Environment Authority (CEA) for providing waste management solutions.

Our "SBR" and "SSB" are the latest technologies used internationally to obtain high discharge values of effluents. The flexible solutions can be customized to fit in to limited spaces, minimum monitoring and maintenance, economical and ease of assembly. The Plants are designed and fabricated in Germany by Aquato and ATB, who are industry leaders and our long-time partners.

We partner with Kerasive to provide the 3rd generation micro filtration, the technology is applied in TSS removal of pollutants, industrial liquid separation needs (ie: dairy products, sugar syrup) and Ground water clarification. The Ceramic membrane filtration module equipped with the crossflow filtration mechanism, combining forward-wash advantage, delivered as fully or semi-auto system.

We also provide solutions for managing of non-biodegradable and potentially hazardous solid wastes, in the form of robust, high-temperature incinerators which produce low particulate emissions. "Inciner8" a globally respected manufacturing organization in UK, offer a range of Incinerators for all applications in the waste management industry. Our products are specifically designed with clean air incineration and are ideal for Medical, Animal, General Municipal waste streams.



AQUATO® Environmental Technologies GmbH, sells and realizes wastewater treatment systems worldwide, which are among the best and most durable in their industry.

AQUATO® Umwelttechnologien GmbH
Ernstmeierstraße 24
32052 Herford
Germany

ATB wastewater treatment systems are among the most modern and innovative wastewater treatment plants of our time; ATB is the undisputed market leader in

ATB WATER GmbH
Südstraße 2, D-32457
Porta Westfalica
Germany

"Need Innovation" is a Proprietorship Firm, started in the year 2015, at Kolkata, (West Bengal, India) engaged in manufacturing, retailing and wholesaling the finest quality Ultrafiltration Membranes and Ceramic Membrane Filter.

No. 27, PO-Sonarpur, 24 Parganas
South, Kolkata-700150, West Bengal,
India

INCINER8 are a globally respected manufacturing organization offering a range of incinerators for all applications in the waste management industry,

Inciner8 Limited
Canning Road Industrial Estate,
Canning Rd, Southport PR9
7SN,
United Kingdom



Member of
German Water
Partnership



Central Environmental
Authority of Sri Lanka

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