



**JOSAB**  
**WATER SOLUTIONS**

**CLEAN WATER, GREEN PLANET:  
SUSTAINABLE SOLUTIONS FOR ALL**

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# ABOUT US



Josab Water Solutions group is a Swedish company which aims to be the benchmark company for supplying the most environmentally friendly and low-cost drinking water and wastewater treatment solutions dedicated to municipalities, villages, and isolated areas. We guarantee quality water for all thanks to advanced, robust and ecological technologies.

Our collaborators in Europe, India and China are proud to be part of a multicultural group speaking the universal language of water. They design and offer innovative, efficient and practical solutions thanks to their complementary know-how and contribute to developing access to this vital resource and to preserving the natural environment using clean technologies.

Josab Water Solutions has supplied several hundred drinking water systems in more than 25 countries. We brought drinking water where the desolation of war and natural disasters had deprived people of this essential good.

Josab is the only company in the world having built all its activity on the use of zeolitic materials for the realization of environmentally friendly low-cost mobile potable water plants dedicated to villages and isolated areas. As a pioneer in the implementation of a technology which consumes few reagents and energy, Josab provided water to the poorest populations on the planet. Because water is essential

for life and its price should not be an obstacle, our customers can believe in our dedication to offer them healthy water and quality service while taking care to offer them the less expensive solutions that can, in addition, generate employment for them.

Providing water is a noble cause that involves great ethical, social and environmental responsibilities. These dictate our choices so that our solutions are for all and for the planet. We design solutions first with those who will make them work. Efficiency, robustness and simplicity are our guidelines, but the main idea is that our systems have the lowest possible ecological impact.

Since April 2023, Vimab Group AB has become the majority controlling shareholder of Josab. For more information on Vimab Group AB, please visit: [www.vimabgroup.com](http://www.vimabgroup.com)

### Vimab Group

Vimab Group operates from the northernmost parts of Sweden to Africa. Tottes Svets & Industriservice has extensive experience working in cold climates, and through collaboration with IMI Critical Engineering, Vimab AB is rapidly expanding in both the European market and other parts of the world.



## A BRIEF STORY ABOUT THE COMPANY



# HOW IT ALL BEGAN

Our story began in the early 80s when Jan-Olov Sparrman traveled to Italy and discovered very special minerals named: zeolites. He found these natural materials with exceptional properties have been used since antiquity for water treatment.



Jan-Olov Sparrman founded Josab in 1986 and created the most advanced water treatment process based on the use of a particular zeolite, located in Ratka in Hungary. In the early 2000s, Josab acquired the Ratka mine in order to guarantee its supply and the constant quality of the filter media. Then, very quickly Josab became a major player in water treatment in crisis zones by providing hundreds of mobile units with the support of international organizations such as UNESCO, UNHCR and the Red Cross. We are proud to have been able to help populations in distress in Grozny, in Myanmar (Burma) and many other places in the world.

Josab took on an international dimension by creating subsidiaries in Hungary and India, then becoming a listed company in 2013. Our development takes a new turn in 2022 with the acquisition of Clear Industry in China. Josab Water Solutions is now extending its skills to the treatment of wastewater and solid waste thanks to the contribution of ultra-innovative and ecological technologies developed by Clear Industry.

This step is essential to become one of the major players worldwide in green solutions for treating water and waste.



# APPLICATIONS

- |  |  |
|--|--|
| <p><b>01</b> Mobile Units for Drinking Water</p> | <p><b>02</b> Agriculture and Greenhouses</p> |
| <p><b>03</b> Livestock Water Treatment</p>       | <p><b>04</b> Swimming Pool</p>               |
| <p><b>05</b> Industrial Wastewater Treatment</p> |  |

# Mobile Units for Drinking Water



Josab's mobile systems are excellent alternative to brick-and-mortar plant in many cases:

- When deadlines are short
- In the event of a humanitarian crisis
- For isolated or construction site where is difficult to access safe drinking
- When water resources are in danger of being depleted and a relocation is required
- When the population grows and the capacities of the equipment of the municipality are insufficient or are not yet implemented

Josab's ecological water purification solutions are designed for easy transportation to the point-of-need. We offer the fastest plug and play complete water purification solutions on the market. The treatment plant can be operational within a few of hours.

Our mobile all-in-one solution are fully containerized and automated. They are designed with few wearing parts which leads to low production and maintenance costs. This is also due to the highly efficient filter media, Aqualite™, which allows compact units with high capacity. Staff with limited technical knowledge can be trained to operate the system within a few hours.

In the event of a humanitarian crisis, the Josab™ Portable range will be an excellent choice. Our equipment, specifically designed to be easily transportable and loaded by plane or in the back of a van, will produce drinking water from most water points in record time.

For other cases where a mobile solution proves to be a better option, the Josab™ Max line offers 11 models ranging from a capacity of 70 to 2700 m<sup>3</sup> per day. These very compact and fully automated units are a valuable aid when an operator is looking for a lasting solution without tying up too many financial and human resources.

## Agriculture and Greenhouses



Agriculture uses almost 70% of fresh water in developed countries. However, the evolution of the climate is pushing many farmers to develop cultivation methods that consume less water, but also by promoting the recycling of irrigation water. Another strong trend is to reuse wastewater by applying treatments adapted to the needs of the plant.

Josab supports its customers to implement the least energy-consuming solutions for optimal results. Our solutions use many techniques, either biological (bio-filtration) or physical (filtration on media or membranes).

We carry out turnkey processes, always keeping as fundamental principle the low ecological impact of our solutions as well as their simplicity, their ease of use and their mobility.

## Livestock Water Treatment



“Clean water is essential for maximizing cattle weight gains... Over a 2-month period, yearling cattle gained 23% more weight when drinking clean water than drinking directly from a pond.” (Walter D. Willms et al., Journal of Range Management, 55: 452-460, September 2002).

It is widely established that production gains in the field of livestock are substantial when animals are watered with clean water, free of organic and inorganic pollutants and especially microorganisms. Josab’s solutions, based on ecologically neutral processes, easy to set up and use, are particularly suitable for animal production.

## Swimming Pool



Problems concerning the quality of water encountered in swimming pools and in particular, public establishments, are for the most part linked to the performance of their water purification system. In this context, the choice of professionals is very limited:

- Low expenditure = low water quality
- High expenditure = high water quality.

Aqualite™ is the solution that changes this situation!

Thanks to its exceptional filtration capacities associated with its high affinity to adsorb ammonium, Aqualite™ is the solution that drastically improves water quality. There follows a virtuous circle of phenomena directly linked to this improvement: less chlorine consumption, no more use of flocculant/coagulant, less backwashing, less water consumption during filter washing cycles, less pressure drop, less energy consumption, etc.

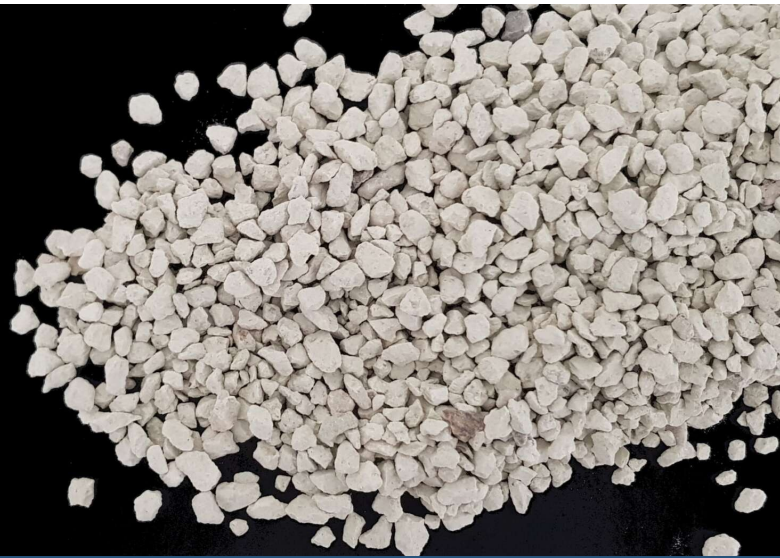
## Industrial Wastewater Treatment



Josab's industrial wastewater treatment solution has demonstrated outstanding performance in addressing the complex and highly concentrated wastewater generated in industrial coating workshops and paint booths. By utilizing a multi-level treatment approach involving sedimentation, chemical treatment, and physical filtration, this technology effectively reduces various pollutants such as benzene, toluene, ethylbenzene, and xylene, as well as organic solvents, COD, BOD, ammonia, and solid materials.

One of its key advantages is its ability to treat wastewater directly at the production site, eliminating the need for expensive off-site transportation and reducing the risk of secondary pollution. The treated water meets discharge standards and can be safely released into municipal sewer systems. Additionally, the system minimizes hazardous waste disposal costs, enha

nces waste material tracking, and offers PLC-SCADA control with remote monitoring capabilities. Overall, Josab's industrial wastewater treatment solution provides a cost-effective and environmentally responsible solution for challenging industrial wastewater treatment needs.



## AQUALITE®

AQUALITE® IS A NATURAL ZEOLITE WITH EXCELLENT ADSORPTION CAPACITY. WITH ITS 2-IN-1 SOLUTION, AQUALITE® ACTS ON BOTH PARTICULATE POLLUTION AND CATIONIC DISSOLVED POLLUTION.

# WHAT IS ZEOLITE?

Zeolites belong to a large family of minerals that includes nearly 200 types. Natural zeolites form a small group of about thirty species in this large family. Natural zeolites were formed by the transformation of volcanic ash that was deposited in lakes and seas tens of millions of years ago. Natural zeolites are aluminosilicate of hydrated alkali or alkaline earth metals. These non-toxic minerals are often called "molecular sieves" because of their porous and open structure formed of cages connected by a vast network of interconnected channels that can be roughly compared to a "honeycomb". Positively charged atoms (cations) such as alkali or alkaline earth metals are linked with negatively charged aluminosilicate lattice structure. These cations can be replaced by others having a greater affinity for the inorganic matrix, which gives zeolites one of their main characteristics: the cation exchange capacity. The channels have a size close to that of a molecule of water so that the smallest molecules can penetrate the zeolite's pores while the largest ones cannot pass through, thus giving rise to the term "molecular sieve". Zeolites generally have high specific surface areas. Their rigid structure gives them great stability because they do not swell. However, the mineralogical composition, surface area, density and cation exchange capacity (CEC) of each zeolite determine its overall properties and therefore its effectiveness for a given application.



# AQUALITE®

## WHY AQUALITE®?

Aqualite® was discovered at the Rátka mine in northern Hungary. This unique local geology makes it an unparalleled water purification mineral. After mining the bulk material, further production takes place at JOSAB's own production plant in Szerencs.

Aqualite® is widely used for decades in water purification and is especially suitable for producing pure drinking water from fresh water sources. As an excellent filter media,

Aqualite® is also used for swimming pool water treatment, industrial wastewater treatment and agricultural irrigation water treatment.

## GREEN MINERAL FOR GREEN WATER CLEANING - AQUALITE®

Which filter media good for you?



	Aqualite®	Filter sand	Activated carbon
Mechanical filtration	Yes	Yes	No
Ammonium removal	Yes	No	No
Iron and manganese removal	Yes	No	No
Heavy metals removal	Yes	No	No
Organic compound removal	No	No	Yes

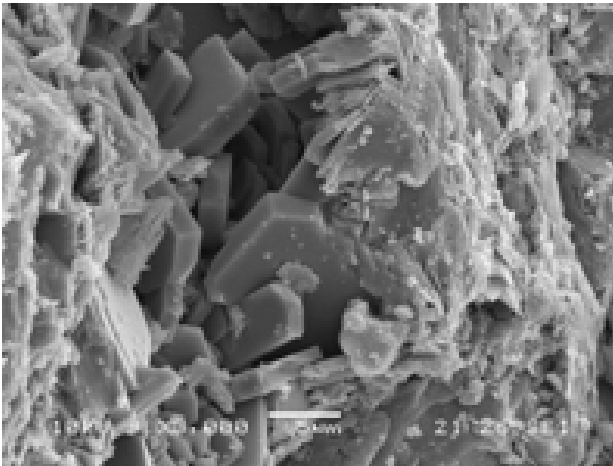
## OTHER IMPORTANT TECHNICAL INFORMATION OF AQUALITE®

- Pore diameter: 0.1 – 1.0 nanometer (nm)
- Large specific surface area
- Can reduce bacteria, bad smells, bad taste
- Reduces heavy metals, ammonium and hydrogen compounds
- Adsorbs chemical and petroleum products
- Porosity: 20-31%
- Specific surface area(BET): 29.1 m<sup>2</sup>.g<sup>-1</sup>
- Standard grain sizes: 0-20 µm; 0-500µm; 0.5-1mm 0.5-2 mm; 0.7-1.5 mm; 2-5mm; 5-10mm
- Standard packaging: 25 or 40 kg  
PP bags (40; 25 pcs/pallet) 1 ton/pallet  
Big-bag :600/800/1000kg

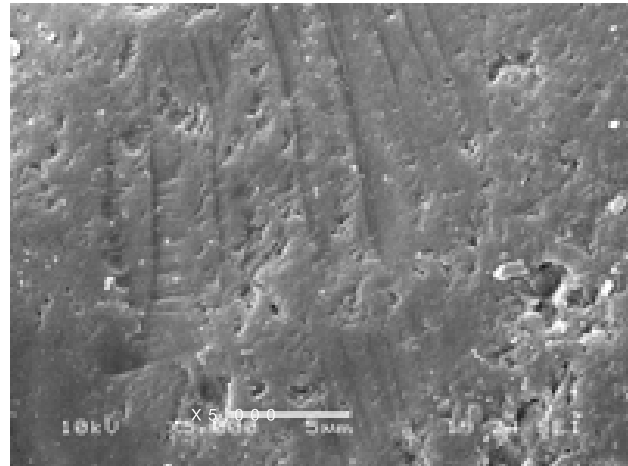


# AQUALITE®

Natural zeolite surface



Sand surface



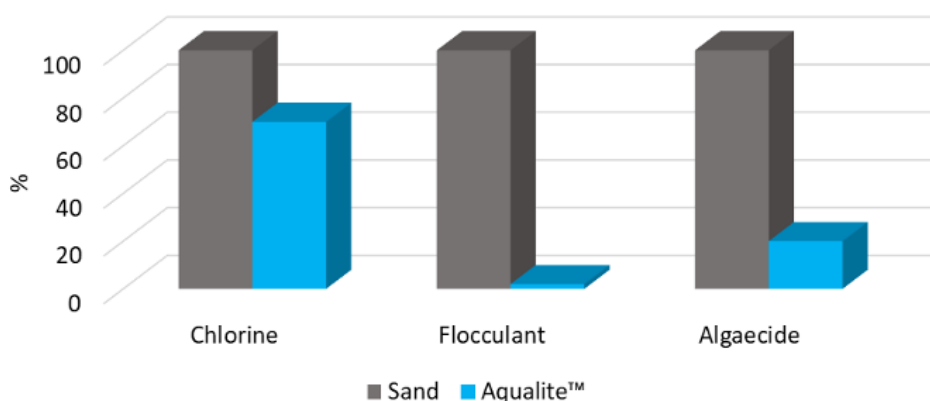
Aqualite® is able to act not only on particles but also on dissolved chemical compounds by trapping them or promoting their degradation.

Aqualite® can remove ammonia brought by swimmers (organic matter of the nitrogen type: sweat, mucus, urine, etc.) and greatly reduces the presence of chloramines by simply preventing their formation.

The use of Aqualite® therefore reduces shock treatments, chlorine consumption and reduces filter maintenance. With Aqualite®, chlorine is no longer blocked by ammonia, it can again act as a disinfectant and anti-alga! No need to overdose on chlorine to fight against microbes, nor shock treatments based on copper or quaternary ammonium to eliminate algae.

The reduction of nitrogenous and organic nutrients in the water allows a better balance to be achieved and thus reduces the overall chemical requirements. This comfort is highly appreciated by swimmers and professionals.

Reduction of chemicals with Aqualite® compared to sand



# AQUALITE®

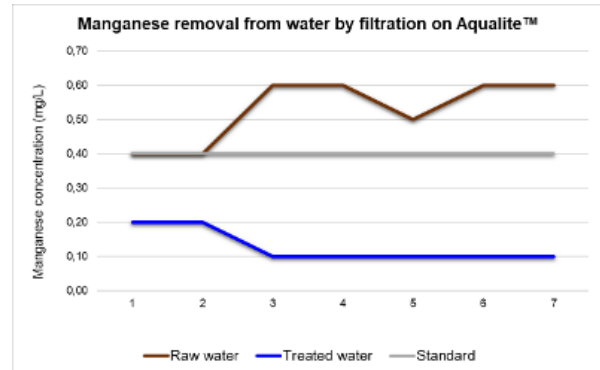
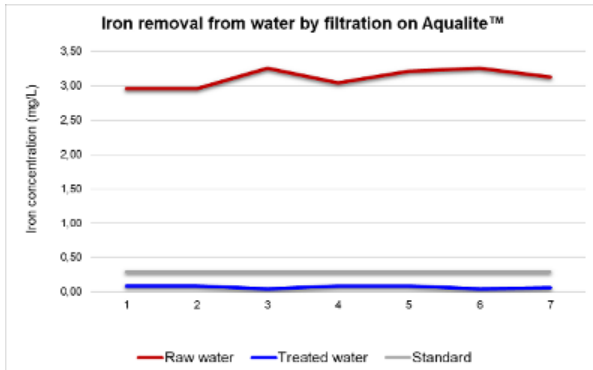
## APPLICATIONS

### AQUALITE® FOR DRINKING WATER

Aqualite® is an excellent choice to produce drinking water from natural fresh waters. This material is particularly suitable for the purification of waters which slightly exceeds the standards, and which have, for example, a slightly higher ammonium content or heavy metals in cationic form. Thus, Aqualite® avoids using expensive and complex techniques such as membranes (micro-, ultra-, nano-filtration).

If these techniques prove to be necessary because of the specificity of a water, then Aqualite® can be used upstream of the membranes in order to treat the water as much as possible and to reduce membrane maintenance operations and exploitation costs.

One of the remarkable applications of Aqualite® is the removal of iron and manganese from underground water. Aqualite® is able to eliminate iron and manganese concentrations up to 3.0 ppm and 0.7 ppm respectively to levels below the standards recommended by the WHO.



The entire Aqualite® water purification process is completely chemical free. Water purified with Aqualite® meets the quality requirements of the WHO regulations for drinking water.

### AQUALITE® FOR SWIMMING POOL

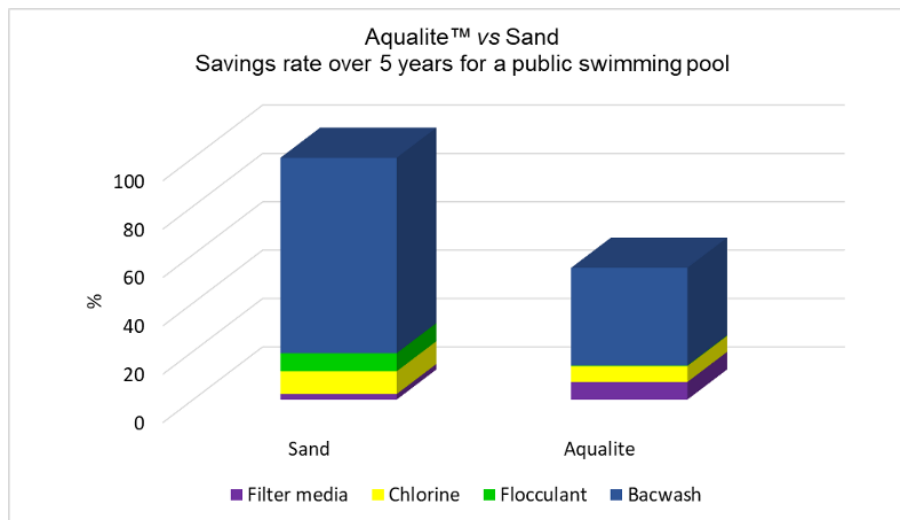
Aqualite® as a 100% natural product is an excellent filtration media for treatment of water in swimming pools that maximizes the water quality and significantly reduces the costs associated with pool water maintenance. It is used to replace sand in filters.

Aqualite® is able to obtain a fineness of filtration close to 10 microns against 40 to 60 microns for sand and without the use of flocculant.

This exceptional ability to filter resides both in the structure of Aqualite® and also in the shape of its grains, which offers a better grip of particles in suspension compared to sand.

# AQUALITE®

Although Aqualite® is more expensive than sand, the savings made on a private or public swimming pool can reach up to 46% over 5 years by combining the main expenses related to water treatment (excluding energy) including the purchase of filter material.



Aqualite® is a solution in accordance with a sustainable development approach. By using it, everyone makes a significant gesture for the protection of the environment.

Aqualite® is compatible with the main water treatment products: organic chlorine, hypochlorites, salt electrolysis, bromine but not with metal based chemicals (copper, silver, etc)...

## BENEFITS:

- A 25 kg bag of Aqualite® is equivalent to approximately 40 kg of sand.
- The low density of Aqualite® compared to sand, drastically reduces the energy required for filtration.
- The filter media is lighter and therefore easier to backwash, reducing the frequency of filter cleaning and reducing the water consumption required for flushing (up to 50 %).
- Enhanced adsorption of contaminants, capable of capturing particles as small as 10 microns, while sand can only capture a minimum of 40 microns.
- Removal of ammonia from water increases chlorination efficiency, ie reduces the amount of chlorine required to treat pool water by up to 30%.
- Controls malodorous volatiles (chloramines).

# AQUALITE®

## AQUALITE® FOR AGRICULTURE & GREENHOUSE



### 1. The UV transmittance value is greatly improved

Aqualite® removes particles down to 10 µm from water dedicated to irrigation in agriculture irrigation system applications. In comparison, typical sand filters can only remove particles down to 50 µm. Insofar as the filtration is more efficient, the water is clearer, so the UV rays are more effective. A higher level of disinfection is achieved while consuming less energy.

### 2. The best guarantee of food safety - effective sterilization

More and more local cultivation relies on greenhouse and hydroponic systems, and the safety of irrigation water is an important part of food safety control. Filtration of irrigation water with Aqualite® has been documented to reduce bacteria, viruses and fungi in water by 44% to 98%. Bacteria are retained by the Aqualite® bed filter since they are mainly located on the suspended matters. Apparently, this effect is not seen in sand or carbon filters, instead, it is usually a medium that promotes bacterial growth.

### 3. Improve water hardness

Water that contains large amounts of dissolved calcium or magnesium salts, or both, is described as "hard water." Other cations such as iron, manganese, aluminum and zinc also contribute to hardness. Hardness does not directly affect plants, but the hardness caused by carbonates can affect the soil and thus have an indirect effect on plant growth. During the water treatment process, Aqualite® can greatly decrease the hardness of the water, which benefits the growth of plants.

# PRODUCTS



## JOSAB OFFERS A VARIETY OF PRODUCTS

The key role of our products lies in addressing human water resource challenges across various scenarios, including emergency relief, urban water supply, and ensuring clean and safe water for communities and households.

**01** Mobile water purification

**02** Emergency water purification

**03** City water purification

**04** Collective water supply

**05** Indoor water purification

**06** Water filter media



Our mobile water purification solutions bring clean and safe drinking water to remote locations, ensuring that even the most isolated communities have access to this vital resource.



# JOSAB™ MAX MOBILE WATER POTABILIZATION UNITS

## DRINKING WATER EVERYWHERE IN THE WORLD

Suitable for almost all freshwater  
Boreholes – Ponds – Lakes – Rivers

- 100% containerized units
- Robust technology, adapted to difficult conditions
- Water quality complies with WHO standards
- Capacity from 70 to 2700 m<sup>3</sup> per day
- 23 hours production per day
- Self-cleaning solutions
- Made in Europe, EN standards



Treatment of suspended solids,  
iron, manganese, organic and  
inorganic pollution

Removes 99.9% of germs

Delivery on site by truck in one  
operation

Easy maintenance



# 11 models to supply drinking water up to 135,000 people!

Models	STC Evo 70	STC 100 STC Evo 100	STC 300 STC Evo 300	STC 500 STC Evo 500	STC 900 STC Evo 900	STC 1800	STC 2700
Flow (m <sup>3</sup> /h)	3	4.5	14	23	41	82	122
Number of people*	3 500	5 000	15 000	25 000	45 000	90 000	135 000

\*20 liters per day/person

Line	Pollutants	Turbidity	Iron Manganese	Heavy metals	Odors	Organics
STC		+	+	+		
STC Evo		+	+	+	+	+



**RURAL AREAS**  
**Living bases**  
**ISOLATED DISTRICTS**

- 100% automatic
- Plug-and-play installation
- High production efficiency >90%
- Without membrane filtration
- Zero chemicals in the process
- Salt-free electrolysis up to 200 m<sup>3</sup>/day
- Low energy consumption < 0.3 kWh/m<sup>3</sup>
- Remote monitoring and control (GSM)



Sudan, Blue Nile water  
Before/After

**JOSAB™ MAX**  
**ECONOMICAL**  
**EFFICIENT**  
**EASY**

## TECHNICAL DATA

- Treatment:
  - Turbidity: ..... max. 30 NTU (raw water)
  - Iron: .....max. 3.8 ppm (raw water)
  - Manganese: .....max. 1 ppm (raw water)
  - Organic pollution (excluding halogenated)
  - Inorganic pollution (excluding nitrates and phosphates)
- UV disinfection: ..... 40 mJ/m<sup>2</sup>
- Residual disinfection: .....0.5 ppm equiv. free Cl
- Max turbidity (outlet): ..... < 3 NTU

**CLEAN WATER**  
**BRIGHTER FUTURE**





In times of crisis, our emergency water purification technology acts as a lifeline, swiftly providing clean water to disaster-stricken areas and helping communities recover.



# JOSAB™ PORTABLE EMERGENCY SUPPLY OF DRINKING WATER

## PURIFICATION OF WATER IN CRISIS ZONE

Purifies ground-, well-, river- or lake water in emergency operations

- 100% mobile units
- Robust technology, adapted to difficult conditions
- Capacity from 10 to 70-80 m<sup>3</sup> per day
- Production 23 hours per day all year round
- Water quality to WHO standards
- Low energy consumption, no sewage discharge
- Made in Europe, EN standards



**Treatment of suspended solids,  
iron, manganese, organic and  
inorganic pollution**

**Removes 99.9% of germs**

**Off-road transportable**

**Plug & Play**

**Fully manual**

## PORTABLE P25 / P60

Modular units mounted on pallets, ideal for larger emergency use, 22 h running time per day. Can be containerized.

Model	P10	P25	P60	UF10
Flow rate (m <sup>3</sup> /h)	0.6	1.5	3.5	0.5



## PORTABLE P10



**Suitable for aircraft transportation**  
Built to fit airplane doors for quick emergency delivery.

Fully equipped to produce smaller volumes of drinking water that meets WHO's guidelines.

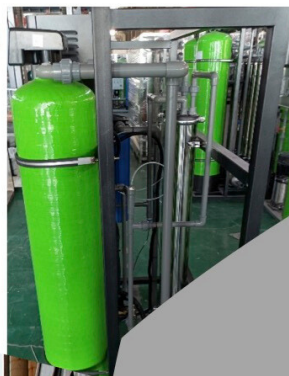
**JOSAB PORTABLE SOLUTIONS THAT SAVE LIVES**

**Hundreds of units in the world**

## PORTABLE UF10

**Suitable for more complex water sources**

High performance UF filtration. Low power consumption, compact and high efficiency. 100% mobile skid-mounted system.



### TECHNICAL DATA

- Treatment:
  - Turbidity: ..... max. 30 NTU (raw water)
  - Iron: .....max. 3.8 ppm (raw water)
  - Manganese: .....max. 1 ppm (raw water)
  - Organic pollution (excluding halogenated)
  - Inorganic pollution (excluding nitrates and phosphates)
- UV disinfection: ..... 40 mJ/m<sup>2</sup>
- Residual disinfection: ..... 0.5 ppm equiv. free Cl
- Max turbidity (outlet): ..... < 3 NTU



**CLEAN WATER  
BRIGHTER FUTURE**

For urban environments, our city water purification systems are the backbone of municipal water treatment, delivering high-quality water to millions of residents every day.



# **ZEOKIOSK™**

## **POTABILIZATION AND WATER DISTRIBUTION**



### **DRINKING WATER FOR ALL IN THE CITY**

Healthy water produced with a process that protects the environment

- The alternative to fountains with polluted water
- Continuously purified and drinking water
- Pay by coins, card or mobile app
- Accepts bottles, carboys and buckets
- Multiple choice: 0.5L, 1.5L, 5L, 10L, 20L



**Eliminates 99.9% of microbes, organic pollution, odors and heavy metals**

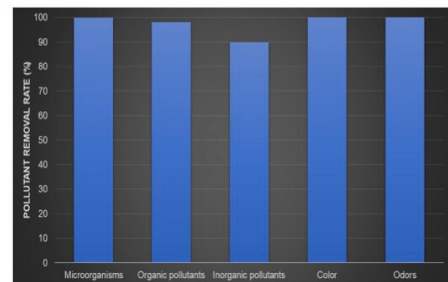
**Water keeps its trace elements**

**Water supply 24/7, even in case of a city water cut**

**Connects to any public network**

**ZEOKIOSK™ is an effective solution that supports the public water service. Easy to set up in any sector of the city, ZEOKIOSK™ purifies water by eliminating all traces of pathogens and pollution.**

- Instant UV disinfection
- Residual disinfection by salt-free electrolysis
- Easy installation on all city water pipes
- Zero chemicals
- Very low power consumption
- Remote monitoring and control by WEB/mobile application
- Installation service, assistance, maintenance
- 100% automatic, self-cleaning



# ZEOKIOSK™

**30.000 liters of water per day**  
**Up to 4 days of autonomy**



## TECHNICAL DATA

- Max. flow: ..... 1,500 L/h
- Cold water: ..... 100 L/h (option)
- UV disinfection: ..... 40 mJ/m<sup>2</sup>
- Residual disinfection: ..... 0.5 ppm equiv. free Cl
- Max. turbidity (outlet): ..... < 3 NTU
- Power: ..... 2,3 kWh, 240V, 50 Hz
- Tank capacity: ..... 4 to 6 m<sup>3</sup>
- GSM connection: ..... included
- Floor area: ..... 12 to 15 m<sup>2</sup>
- Optional solar power supply

**CLEAN WATER**  
**BRIGHTER FUTURE**

Our collective water supply solutions offer sustainable access to clean water for large communities and industries, contributing to a healthier and more prosperous society.



# JOSAB™ ACCESS FOR BUILDINGS AND HOUSING PROJECTS

## DRINKING WATER FOR THE COLLECTIVE

Ensures healthy water for all residents  
Connects to the public water network

- Compact system
- Up to 2000 liters per hour
- 24/7 housing supply
- Water available even in the event of city water cut
- Water quality to WHO standards
- Made in Europe, EN standards



Removes 99.9% of microbes,  
organic pollution, odors and  
heavy metals

Secures the water supply for all  
housings

Easy maintenance



**JOSAB™ ACCESS** is the solution for construction contractors, building or housing estate managers who want to provide healthy water to their customers' entire network. **JOSAB™ ACCESS** guarantees users balanced and consumable water in all circumstances, **24 hours a day**.

- Instant UV disinfection
- Tank providing at least 6 hours of autonomy\*
- Residual disinfection by salt-free electrolysis
- Easy installation on city water pipes
- Zero chemicals
- Very low power consumption
- Remote monitoring and control by WEB/mobile application
- Installation service, assistance, maintenance
- 100% automatic, self-cleaning

*\* Calculated for consumption at the maximum flow rate of 2000 liters per hour*



# JOSAB™ ACCESS

## Up to 12 housing supplied with clean water



### TECHNICAL DATA

- Max. flow: ..... 2,000 L/h
- UV disinfection: ..... 40 mJ/m<sup>2</sup>
- Residual disinfection: ..... 0.5 ppm equiv. free Cl
- Max. turbidity (outlet): ..... < 3 NTU
- Power: ..... 2,3 kWh, 240V, 50 Hz
- Tank capacity: ..... 12 m<sup>3</sup>
- GSM connection: ..... included
- Optional solar power supply

**CLEAN WATER**  
**BRIGHTER FUTURE**

Indoor water purification solutions guarantee that the water you use at home or in your workplace is free from contaminants, promoting well-being and peace of mind.



# ZEBOX™

## INDOOR WATER DISTRIBUTION

### Drinking water for all

Healthy water produced with a process that protects the environment

- Rapid and continuous supply of safe drinking water
- 20/27-inch LCD Screen
- Payment system by card or mobile app
- Multiple water volume choice or any customized water volume
- Direct delivery of cold or hot water (optional)
- Built-in booster pump and raw water tank



Eliminates 99.9% of microbes,  
organic pollution, odors and  
heavy metals

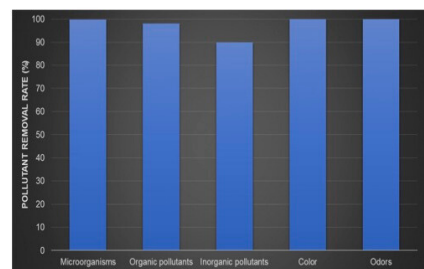
Water keeps its trace elements

Water supply 24/7

Connects to any domestic water  
network

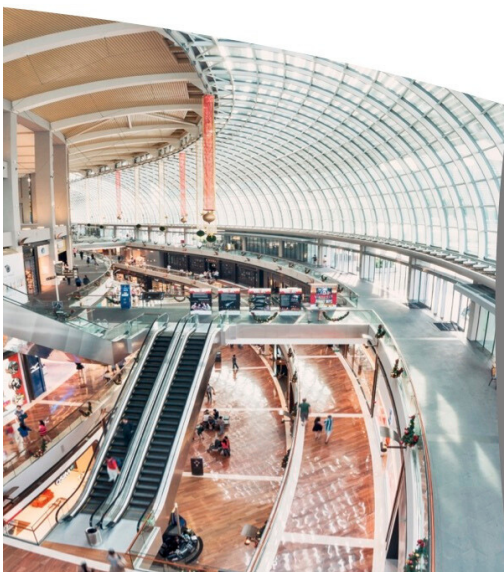
**ZEOBOX™** is an effective solution that comes in addition to the public water service. Easy to be installed in any indoor public location, **ZEOBOX™** purifies water by eliminating all pathogens and other pollutants.

- Instant UV disinfection
- Easy installation on any building's water pipe
- Zero chemicals
- Very low power consumption
- No concentrated water discharge, 100% water utilization
- Self-contained booster pump and raw water tank, suitable for areas with unstable water pressure in the pipe network
- Remote monitoring and control by WEB/mobile application
- Installation service, assistance, maintenance
- 100% automatic, self-cleaning



# ZEOBOX™

## 10.000 liters of water per day



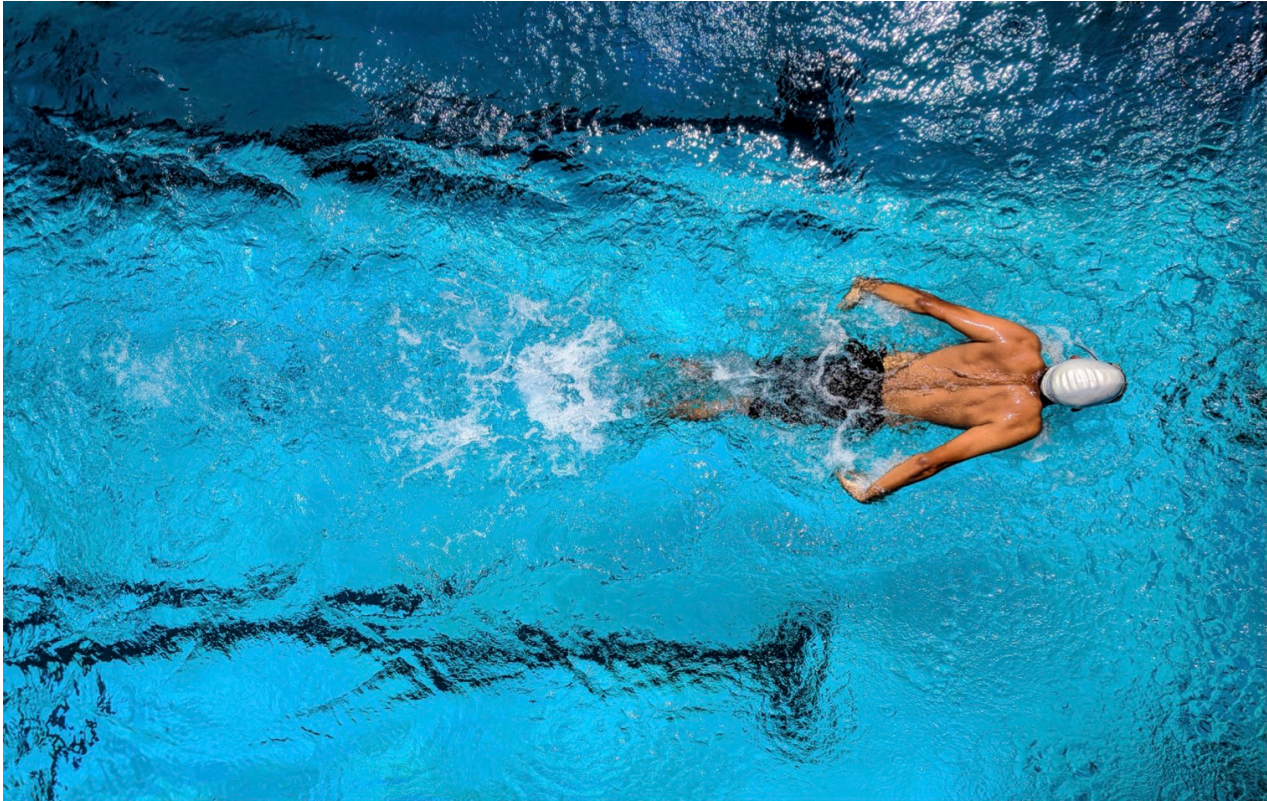
### TECHNICAL DATA

- Max. flow: ..... 500L/h, 1,000 L/h
- Cold water: ..... 40L/h, 80 L/h (optional)
- Warm water: ..... 80 L/h (optional)
- Nominal capacity: ..... 150-200 persons/h
- UV disinfection: ..... 40 mJ/m<sup>2</sup>
- Residual disinfection: ..... 0.5 ppm equiv. free Cl
- Max. turbidity (outlet): ..... < 3 NTU
- Power: ..... 1.5 kWh, 240V, 50 Hz
- GSM connection: ..... included (Optional)
- Size: .....740x540x1900mm, 1100x800x2000mm

## CLEAN WATER BRIGHTER FUTURE



Our advanced water filter media, Aqualite™, revolutionizes water treatment by efficiently removing impurities, making water safer for consumption, industrial use, and enhancing pool purification.



## AQUALITE

### JOSAB AQUALITE® POOL Excellence in Pool Water Filtration

AQUALITE® POOL pool water filtration material, redefining the swimming experience. Tested in European swimming facilities over thirty years, AQUALITE® demonstrates exceptional performance, cost reduction, and delivers superior water quality.

- **AQUALITE® Outstanding Performance:**
  - Reduces water and chemical consumption, curbing chloramine production
  - Removes ammonia, nitrogen, and other nutrients to ensure a clean and safe swimming environment
  - Enhances water clarity, eliminates harmful heavy metals
- **Green and Eco-friendly, User-friendly:**
  - Easy maintenance, lighter particles
  - Improved filtration efficiency, optimized user experience
  - Reduced maintenance costs, increased customer flow
- **Future Water Treatment: JOSAB AQUALITE®**
  - Reduced operational costs, improved environmental conditions
  - Exceptional bathing experience, avoiding discomfort
  - Increased customer footfall, enhanced profitability



**Efficient Water Quality Enhancement:** Aqualite® with a filtration precision of nearly 10 microns captures particles, degrades compounds, surpassing the 40-60 micron accuracy of sand.

**Economical and Energy Saving:** Aqualite® removes ammonia, reduces chloramines, and cuts down on chlorine consumption and maintenance costs. It effectively resists algae growth, maintains chemical balance, and is recognized by swimmers.

**Health and Environmental Protection:** Aqualite® ensures safety standards by reducing the use of chemicals through cation exchange. It adsorbs various bacteria and parasites, lowering disease risks and ensuring swimming safety.

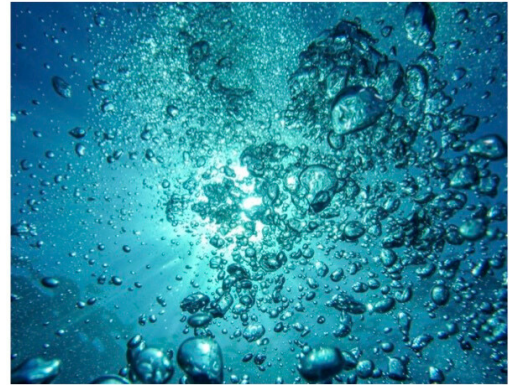
**Sustainable Development:** Aqualite® reduces carbon emissions, transforms environmental management, conserves energy, decreases water and electricity consumption, and promotes sustainable development.

## Aqualite® is a 100% natural product sourced from the Ràtka mine in the Tokaj region of northern Hungary by Josab.

### The Efficacy of Outstanding Filtration Material:

AQUALITE® demonstrates exceptional effectiveness against particles as small as 1 micron, boasting potent antimicrobial properties. It employs ion exchange and adsorption to eliminate other pollutants. With a mere 10-20 liters needed to replenish per swimmer, water consumption is reduced by 50%, along with chlorine usage.

By opting for AQUALITE®, pool proprietors not only relish diminished maintenance costs, heightened water transparency, reduced dilution and cleansing requirements, but also attract more visitors. This includes those sensitive to chlorine, enabling them to relish the experience. Embracing AQUALITE® yields a smarter, cleaner, and more cost-efficient solution for pool water purification.

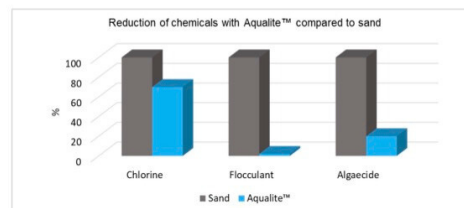


### Advantages of AQUALITE®:

- Low pressure drop
- High cation exchange capacity
- High solid loading capacity
- Corrosion resistance
- Ability to achieve water softening capacity

### Comparison with Sand and Activated Carbon:

	Aqualite™	Filter sand	Activated carbon
Mechanical filtration	Yes	Yes	No
Ammonium removal	Yes	No	No
Iron and manganese removal	Yes	No	No
Heavy metals removal	Yes	No	No
Organic compound removal	No	No	Yes



### Efficient - Economical - Healthy - Environmentally friendly

Choose AQUALITE® and gain a cleaner, environmentally friendly, and efficient solution for pool water purification.



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# THANK YOU

In partnership with Josab Water Treatment, we are committed to delivering the highest quality water solutions to our valued customers and trusted dealers.

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