

PAQUA

Providing safe, sustainable
drinking water, globally.

Humanitarian





Water is one of the fundamental assets of humanitarian aid. With the growing number of displaced populations, water aid is more critical than ever. The average person can only survive for three days without water before incurring irreversible organ damage. Poor quality water has the potential to give gastro-intestinal diseases which can quickly spread to pandemic levels. Our systems can draw from almost any fresh water source to give safe, wholesome water right where it is needed.

The PaquaVida Water Purification System provides safe, clean drinking water from almost any fresh water source, with ground-breaking technology that offers great advantages over standard water purification systems.

If you have a fresh water source that requires treatment to meet strict drinking water standards, then PaquaVida can be your water filtration solution. Our Water Purification System will ensure that quality needs are met consistently, with low energy specifications and the smallest carbon-footprint within the water purification systems market.

Whether your requirement is for a temporary or permanent water purification solution, our PaquaVida Water Purification System will meet your needs and those of the population they serve, sustainably and reliably.



Natural protection and safe disinfection for a better environment.

PaquaLyte is a proven and tested natural multipurpose disinfectant solution. Made from the most natural materials – salt, water and electricity – PaquaLyte is a safe and extremely efficient solution effective in killing 99.999% of viruses and bacteria. It is suitable for use across all industries and environments, without the need of diluting.

Safety: PaquaLyte is perfectly safe to the planet and users, biodegradable, vegan-friendly, cruelty-free, ph neutral. If you get it in your eyes, then simply rinse with water. It kills spores, pollen, and bacteria effectively.

PaquaLyte Quality: PaquaLyte is manufactured in the UK to ISO 9001 and ISO 14001. Quality standards and our generator equipment suppliers are part of the consortium which own the approved active substance dossiers covering HOCl and Electro-Chemically Activated Water Union Biocides Products Regulations (EU 528/2012). Portsmouth Aviation the manufacturer is registered on the Artile 95 list.

Highly Effective: Extensive testing proves that it kills 99.999% of all viruses, bacteria,

and fungi on contact, including Covid, MRSA, E Coli, Ebola, Legionella, Campylobacter, Salmonella, SARS and Influenza to name but a few.

Best Value: PaquaLyte is a cost effective, proven disinfectant that can be scaled on demand and used as a fogging agent and general disinfectant. Our products are among the finest available, suitably priced and provide excellent assured quality and value. The need for clean, biodegradable, and environmentally acceptable biocides/virucides in the current environmentally sensitive climate, make PaquaLyte the perfect answer to the many challenges that the Covid Virus has highlighted.



PaquaLyte natural dry fog technology

Allergens, bacteria and viruses can quickly spread in spaces used for humanitarian shelter. PaquaLyte is a natural highly efficient fast-acting dry fog technology can be safely used to protect people's health and maintain high hygiene levels.

Existing fogging disinfection products are not always fully effective and can be expensive. Many require ventilation as their use can cause skin and/or respiratory issues, are corrosive or stain, and at worst, cause long-term damage and illness. PaquaLyte is classed as a green biocide which means that areas can be used immediately after

aeration. It safely sanitises large internal areas, common touch surfaces, hidden areas under floors and furniture, as well as hard to reach areas that may harbour bacteria such as behind wallpaper, air vents and windows.

Manufactured to ISO9001 standard and containing only eco-friendly disinfectants, this triple action automatic airborne ultra-fast decontamination solution does not wet or cause any damage to clothing or electronic devices. It will not stain and no wiping is required.

Compared to traditional fogging technologies, PaquaLyte is inexpensive to buy, and all bottles and containers are refillable. The system runs on very low power, so cutting energy costs. As well as reducing environmental impact, the system runs autonomously, without the need for an operator, so avoiding maintenance costs.



FAQs

Q: How do PaquaVida Water Purification Systems combat the critical need for water aid around the world?

A: Poor quality water has the potential to cause gastro-intestinal diseases which can quickly spread. Our systems do not use any hazardous chemicals and can draw from any fresh water source, such as lakes, rivers, streams and ponds, even those that are heavily contaminated, to give safe, fresh drinking water and sanitation where they are needed most.

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Q: Can the system operate in areas without power supply?

A: PaquaVida has very low energy requirements and can be run from solar and/or wind turbine power, so will operate completely off-grid or in remote locations.

Q: Does it need maintenance?

A: Maintenance requirements are minimal as the system is completely autonomous. It just needs the occasional top-up of salt for onboard disinfection production. The system produces a biocide disinfection solution called PaquaLyte, which is automatically injected into the water flow in the unit that eliminates biofilm in the pipework and membranes that is the major cause of water filtration systems.

Q: How cost-effective is the system?

A: Running costs are a fraction of the cost of buying water in, so people can move away from transported tanked water, or move their current water treatment system to this more sustainable option.

Q: What is PaquaLyte made of?

A: PaquaLyte is simply made from a combination of water already cleaned by our system, high purity salt (sodium Chloride) and electricity to produce the active ingredient, Hypochlorous Acid (HCOL).

Mother nature has an internal process for producing HCOL naturally, in every mammal, via our white blood cells and it is a significant part of our immune system. It protects our bodies from the attack of harmful bacteria and pathogens. Our PaquaLyte generators mimic the process found in nature.

Q: Are Paqua products environmentally friendly?

A: Yes, our sustainable PaquaVida system employs electrolysis and filtration for water purification, without the use of any hazardous chemicals. PaquaLyte is produced automatically as part of the PaquaVida water purification process, therefore reducing the need for additional transportation to the system. PaquaLyte will revert to water and small amount of salt if spilt. Additionally, our PaquaLyte bottles and containers are refillable to reduce waste.

Q: Does an operator need to be present on site or available to maintain the fogging system?

A: No, the fogging machine can be run safely whilst unattended. Just add the PaquaLyte disinfectant, press a button and leave it to run.



Q: How soon can I enter the space after it has been fogged?

A: You can enter the space within 30 minutes after the fogging has finished allowing enough time to ensure the room is fully disinfected. The room can then be re-used.

Q: Does the fogging leave a residue or wet surface?

A: No, the tiny droplets of aerated PaquaLyte are dry when they land so no residue or wetness is left behind.



Effective

- Proven to EU Drinking Water Directive 98/83
- Highly effective against source water contaminants
- Very high drinking water yield



Great Value

- Low running cost
- Low power requirements
- Low maintenance and simple to operate
- Safe, easily sourced consumables
- Available to buy or lease



Practical

- Self-contained modular units
- Remote monitoring and adjustments
- Fits in ISO containers or existing infrastructure
- Easy to use and maintain in the country of use
- Continually monitors water quality
- Fully autonomous operation
- No harsh chemicals needed
- Self-cleaning

02392 621704
sales@paqua.co.uk
www.paqua.co.uk

Paqua
Airport Service Road
Portsmouth, PO3 5PF
Company Number 09963583



PAQUA
PURE SUSTAINABLE SOLUTIONS