ELGA VEOLIA



BIOPURE

Water purification systems for healthcare applications



BIOPURE



"Water is all we do. We *know* water."

Cleaning and sterilizing reusable medical equipment is becoming increasingly regulated by industry guidelines and international standards, as concern grows over infection control in hospitals and the spread of hepatitis, CJD, MRSA and other resistant pathogens. In addition to protecting patients and staff by preventing pathogen cross-contamination, the equipment itself must also be protected from damage by the sterilization or disinfection process.

With this in mind we applied our expertise gained from 75 years of innovation in water purification technologies, to design our unrivalled BIOPURE range. Our reliable water purification systems employ the latest technologies to ensure a broad removal of impurities, continual bacterial destruction and endotoxin removal. A compact design with an in-built wrap-around reservoir ensures a minimal amount of precious hospital or surgery space is occupied. Our BIOPURE range is easy and cost-effective to operate and a self-disinfection program contributes towards straightforward maintenance. Peace of mind is provided by a unique E-key, which restricts access to the most critical functions.



Biopure water minimizes the contamination risk to patients

What is biopurity?

Our BIOPURE range purifies tap water to the water purity essential to meet the demands of the latest medical standards:

- EN15883, HTM2030/2031, NHS MESc32, MDA/HIS, ISO 15883 Part 4, EN285

Typical biopure water quality specifications are:

- Bacteria Total Viable Count of <10 CFU/100ml
- Endotoxin levels of <0.25 EU/ml
- Conductivity of <30 µS/cm

Water quality is maintained by:

- Regularly sanitizing and validating rinsewater systems to ensure they continue to meet the water specification
- Routinely taking water samples to demonstrate compliance

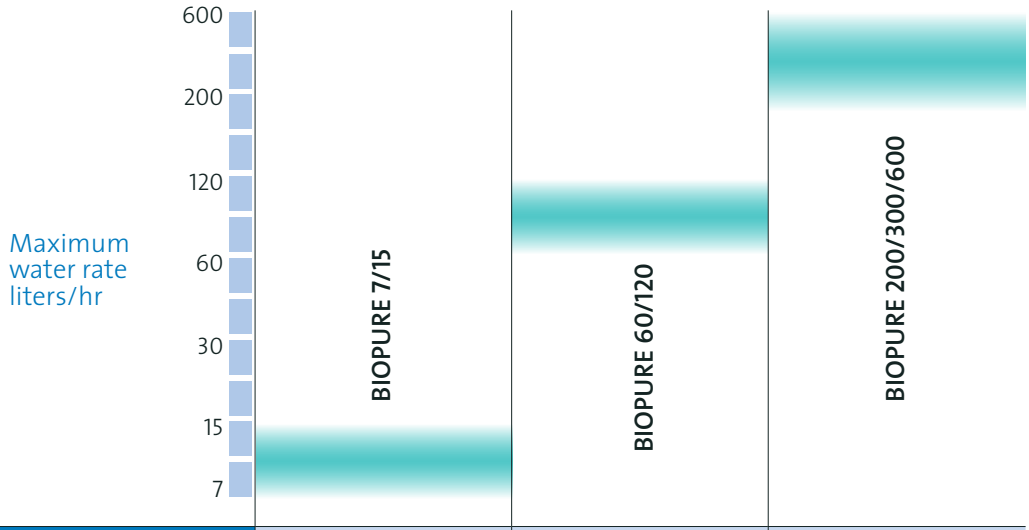
These water quality guidelines and standards serve to minimize the risk of cross infection to patients from a range of infectious pathogens.

BIOPURE product finder

Matching systems to applications supporting you all the way

This brochure outlines the key features of all the water purification products in our BIOPURE range. This product family is designed to deliver compliant purified (biopure) water at the point of use for a wide range of washer disinfectors, endoscope reprocessors and autoclaves. Whether you require a single bench top or wall mounted unit, or you need to feed a suite of multiple washers, we have a model that meets your needs.

To help you choose the system that is most suited to your requirements we have developed the BIOPURE product finder. Our teams of technical and application specialists are always available to answer any questions as well as provide friendly, expert advice in choosing the most suitable water purification systems.



Water quality*	Biopure	Biopure	Biopure
Water quality Conductivity µS/cm	<1	<5	<30
Water quality CFU/10ml	Bacteria <1	Bacteria <1	Bacteria <1
Water quality EU/ml	Endotoxin <0.25	Endotoxin <0.25	Endotoxin <0.25
Typical applications	Small bench-top washer disinfectors and autoclaves	Small washer disinfectors and endoscope reprocessors	Large or multiple automated endoscope reprocessors and/ or washer disinfectors

* For more information on applications and scientific water standards see our education guidebook "The Pure LabWater Guide". A free copy is available at www.elgalabwater.com



Worldwide service and support

For total confidence in your pure water systems

Every BIOPURE comes complete with one extra feature – first class service and support wherever you are in the world. ELGA has installed many thousands of systems globally, and our service engineers will apply their expertise to the installation, validation and maintenance of your water purification systems in compliance with all the relevant codes.
Visit www.elgalabwater.com to find your nearest contact.

Service excellence

- We aim to provide first-time-fix service
- Preventative maintenance contracts are structured to match your precise needs, thereby minimizing interruptions to your workflow and sustaining system reliability
- All our calibration equipment is maintained to traceable standards and operated by fully trained service technicians, ensuring your water quality is consistently maintained at the required standard

Training

- "Hands on" operation training is arranged on or off site to ensure optimal system performance and minimize the risk of an interrupted workflow









Technical assistance

- Our specialized local team will ensure you find the perfect product to match both your budget and applications
- Our dedicated local help desk is always available to provide advice, troubleshooting and parts identification

Online facility

- We offer a user-friendly “Ask the Expert” service and downloadable application information and maintenance planners

Download

- Application information, including water purity recommendations and system design advice
- Consumable and maintenance planners to ensure optimum cost efficiency and performance



Quality assured

Our commitment to the highest quality control processes guarantees reliability and compliance with both international, environmental and user organization standards.

Designed and manufactured under an ISO9001:2000 total quality system. Tested to comply with CE, EMC, EN 61010, ETL (UL CSA), PIRA, WEEE Directive and other standards as appropriate.



"On demand delivery of biopure water"

BIOPURE

Easy to monitor, operate and maintain

The BIOPURE solution for overcoming your water purification challenges

Challenge	BIOPURE Solution
Your application demands biopure water at point-of-use	Integrated water purification technologies ensure broad removal of impurities, continual bacterial destruction and endotoxin removal. Ongoing control minimizes potential bacterial growth through simple and complete sanitization of all wetted parts. Water is continuously re-circulated through the purification technologies ensuring that microbial purity is optimized and biopurity maintained.
You need simple control and operation that includes easy maintenance	Easy-to-read display enables water quality, temperature and consumables to be viewed at a glance. An easy-to-use self-disinfection program ensures biopurity is effortlessly maintained.
Space is at a premium	A compact design with unique wrap-around reservoir ensures a small footprint and maximizes the space available.
You do not want unauthorized users to access the control functions on your BIOPURE systems	A unique E-key means complete control over who has access to the most critical functions

Designed to meet the latest medical standards

When high purity water is required for healthcare applications, the BIOPURE range offers a choice of systems with the flexibility to meet your needs.

General applications:

From small bench-top washer disinfectors and autoclaves and single endoscope reprocessor installations, to large or multiple automated endoscope reprocessors and washer disinfector installations





"Tap water supply to biopure – a system sized to your needs"



BIOPURE 7/15

Provides 7 or 15 liters/hr of biopure water at a price that is comparable to purified bottled water without the hassle of continual ordering and storage. The BIOPURE 7/15 is cost-effective and is more environmentally friendly than traditional distillation units. The unit's compact size allows it to be positioned on or under a bench, wall mounted or fitted into a cabinet. A manual fill option is available via a dispensing gun for filling autoclaves, washer disinfectors and manual washing.



BIOPURE 60/120

Cost-effectively provides 60 or 120 liters/hr of biopure water. The BIOPURE 60/120 ensures a continual supply of purified water for installations such as single washer disinfectors and endoscope reprocessors.



BIOPURE 200/300/600

For large or multiple automated endoscope reprocessors and washer disinfector installations the BIOPURE 200/300/600 cost-effectively provides biopure water at rates of 200 to 600 liters/hr.

4 **High efficiency RO** for broad removal of impurities

3 **Easy-to-use monthly disinfection program**
- Designed for ease-of-use by practice staff

2 **Communication**
- Interfaces via RS232 for communications and monitoring flexibility

1 **Unique system validation and protection**
- Automated audio-visual alarms



5 **Vent filter** prevents contamination of reservoir

6 **Biopure purification cartridge**
- Improves inorganic quality and reduces endotoxin levels

7 **Molecular Ultrafilter** provides final microbial and endotoxin removal

8 **UV sterilization**
- For continual bacterial destruction

9 **Full recirculation of water** within the system and Docking Vessel optimizes microbial purity

The LabWater Specialists

ELGA is an integral part of Veolia, the global leader in optimized resource management. Veolia has a worldwide team of over 200,000 people and is renowned for its capabilities in providing water, waste and energy management solutions that contribute to the sustainable development of communities and industries.

The ELGA team focuses exclusively on water and its purification. It continually contributes to the unique technical and scientific applications and expertise developed for over 75 years. We are experienced in meeting the challenges that arise during the development, installation and servicing of single point-of-use water purification systems as well as large projects involving consultation with architects, consultants and clients.

Commitment to Sustainability

The ELGA products are designed to have the lowest possible impact on the environment at all stages: manufacture, in service and at end of life.

We can calculate the carbon value of all our products throughout their lifetime and we make this information available to our customers and partners.

Visit www.elgalabwater.com/sc for more details.

Contact us:

ELGA offices and distributors are located in more than 60 countries and are fully trained in all ELGA systems.

To find your nearest ELGA representative, go to www.elgalabwater.com and select your country for contact details.

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