

ELGA

BIOPURE

Reverse osmosis systems
for dental practices



NHS

NHS Supply Chain

VEOLIA
WATER

Solutions & Technologies



Unique BIOPURE Water Dispensing Gun

A fundamental element of designing or upgrading an LDU (Local Decontamination Unit) is ensuring continuous compliance with decontamination standards. Careful consideration needs to be given to the sourcing and positioning of decontamination equipment such as washer disinfectors, sterilisers and water purification systems. ELGA Process Water can provide the best advice, service and equipment to help you meet the latest standards and achieve the most cost-effective solution for your practice.

About ELGA

ELGA Process Water is part of Veolia Water Solutions and Technologies (VWS), a subsidiary of Veolia Water, which is one of the world's major providers of technical solutions and facilities for water treatment.

We have many years of experience supplying water purification technologies for 'service critical' healthcare applications including:

- Haemodialysis
- Endoscopy
- Dental
- Podiatry
- Ear, Nose and Throat (ENT)
- Sterile services
- Clinical chemistry analysers

Our experience and expertise enables us to provide products and services that meet the highest quality and environmental requirements. All our products are backed up by first class after sales service and support so that you can have full confidence in our systems' performance over many years.



Working with HTM 01-05

Case Study

The White House Dental Practice in Southall, London, recently overhauled its decontamination processes to achieve the high standards required by HTM 01-05.

Crucial to the smooth operation of the decontamination unit is the provision of large quantities of purified water. *"We were getting through two 5 gallon bottles a day,"* explained Head Nurse Sharon Smither. *"There was no way bottles would cope with the amount of purified water required once we installed our new compliant equipment. It wouldn't have been practical and we needed a better solution."*

The solution came in the form of an ELGA Process Water BIOPURE 7/15 purified water system, which is specifically designed to feed up to 15 l/hr of ultra-pure water to washer disinfectors, autoclaves and ultrasonic cleaners in dental practices. *"The BIOPURE is neatly tucked away in a cupboard in the 'dirty' room and feeds the washer disinfectant, autoclaves, ultrasonic bath and the flexible dispense gun is used for manual rinsing,"* says Sharon. *"It's easy to use and maintain, and most of the time you forget it's there. On the occasions we need help, our service contract with ELGA ensures they come out straight away to fix any issues, which is a vital part of the process considering how busy we are and the importance of the water in the decontamination process."*

BIOPURE 15

Supplying the Water Quality your Practice Needs

Washer Disinfectors

Control hardness and endotoxins

- Continuous compliance with HTM 01-05*
- Prevent scale build up
- Reduce the risk of cross contamination

Sterilisers

Control feed water conductivity

- Continuous compliance with EN13060*
- Generate high quality steam
- Ensure safety of instruments

Dental Unit Water Lines

Control legionella bacteria

- Comply with HTM 04-01
- Manage water hygiene & safety
- Reduce patient risk

Dental Handpieces

Eradicate scale build up

- Extend instrument life
- Reduce lumen blockages
- Improve equipment up time

Biopure Water on Demand

RO water, where you need it, at the push of a button

- Easy to fill dental chair bottles
- Reduce costs associated with bottled water
- Eliminate handling and daily disposal of plastic bottles





BIOPURE 15



Features

- Convenience of on-demand pure water at a price that is significantly more cost effective than purified bottled water
- Delivers 2 litres per minute of pure water to feed washer disinfectors and autoclaves
- Space saving – sits on integral 25 litre ready to use RO reservoir, fits under bench, on a bench, or wall mounted
- Integrated dispense gun available for manual filling and rinsing
- Regular recirculation through the very latest water purification technologies and unique semi automatic sanitisation to ensure continual compliance with the latest standards

Water quality	BIOPURE 15
Inorganics (conductivity @25°C)	<1 µS/cm
Bacteria – typical	<10 CFU/100ml
Endotoxin	<0.25 EU/ml

BIOPURE 60/120



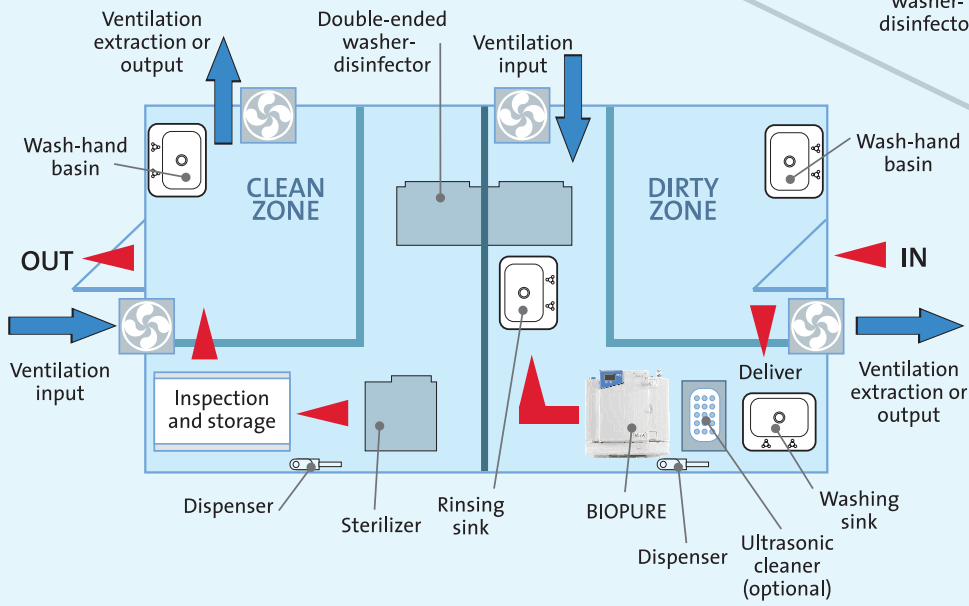
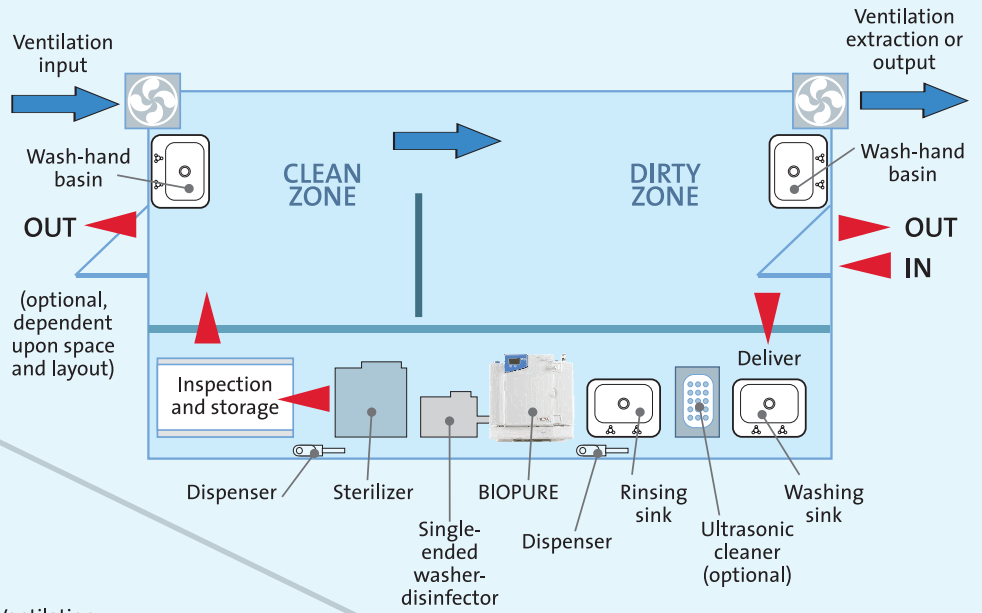
Features

- Convenience of on-demand pure water at a price that is significantly more cost effective than purified bottled water
- Delivers 10 litres per minute of pure water to feed multiple washer disinfectors and autoclaves
- Integrated dispense gun available for manual filling and rinsing
- Space saving – “wrap around” 50 litre reservoir allows easy under bench installation
- Regular recirculation through the very latest water purification technologies and unique semi automatic sanitisation to ensure continual compliance with the latest standards

Water quality	BIOPURE 60/120
Inorganics (conductivity @25°C)	<30 µS/cm
Bacteria – typical	<10 CFU/100ml
Endotoxin	<0.25 EU/ml



Typical decontamination room layouts



KEY

- Instrument flow
- Air flow

Plan your decontamination room layout



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Customer Feedback

“ ELGA has a long history of working with the NHS and a great reputation in endoscopy, so I knew their unit would be reliable and more than meet the HTM 01-05 guidelines. ”

Gary White, Capital Programme Manager, Surrey PCT

“ It’s a much better system and has made our lives much easier. We’re now 100% sure everything is spotless first time and our confidence in the system has increased tremendously. ”

Sana Movahedi, Dental Practitioner,
The White House Dental Practice