

BIOPURE
HEALTHCARE

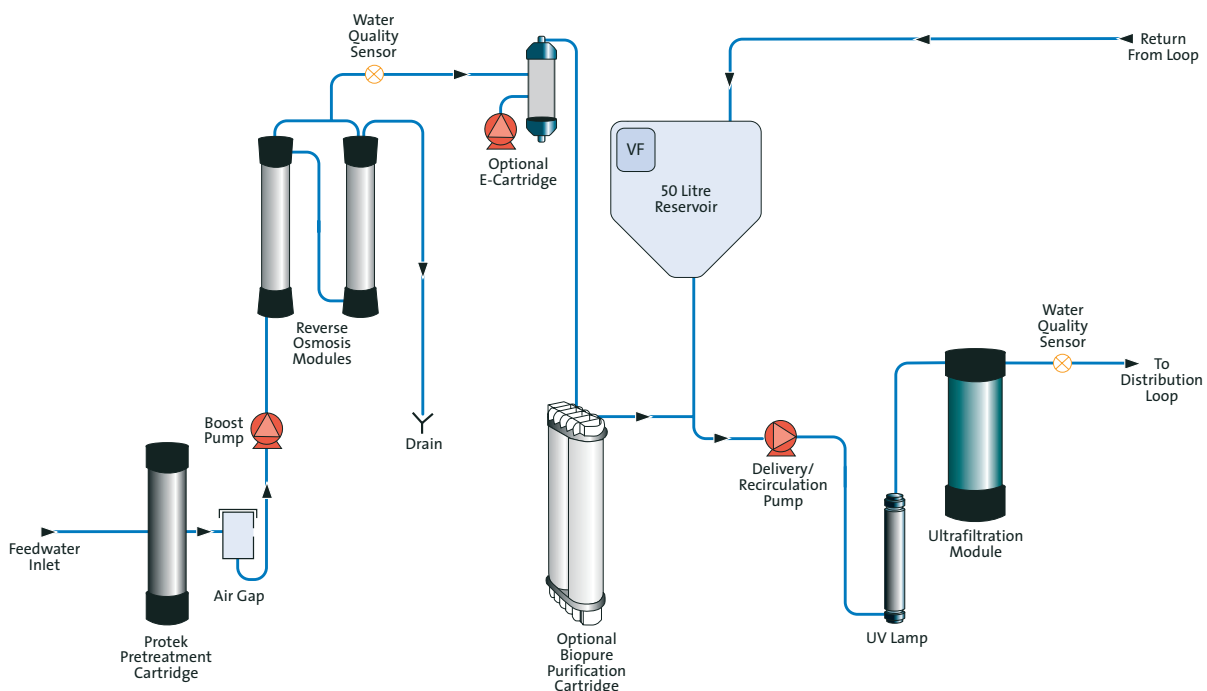


BIOPURE 60/120

The BIOPURE 60/120 has been specifically designed to deliver compliant purified water at the point of use for a wide range of washer disinfectors and endoscope reprocessors to minimize contamination risk to patients.

- Reliable water quality – unique disinfection design for purification of RO membranes as well as the local distribution loop
- Guaranteed bacterial specification, provided by integrated purification technologies combined with easy system disinfection
- Space saving – “all in one” design allows easy under-bench installation
- Economic design – unique “wrap around” reservoir
- Unique system operation protection using automated alarms and access to important control systems limited by “E-key”

BIOPURE 60/120



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Treated Water Specifications

MODEL	BIOPURE 60	BIOPURE 120
Make-up rate @15°C	60 l/hr	120 l/hr
Delivery flow rate – maximum	Up to 10 l/min @ 22.5psi (1.5bar)	Up to 10 l/min @ 22.5psi (1.5bar)
Inorganics (conductivity @25°C)	<30 µS/cm ¹	<30 µS/cm ¹
Inorganics (conductivity @25°C) (Optipure Purification Cartridge installed)	<5 µS/cm ¹	<5 µS/cm ¹
Bacteria - typical	<1 CFU/10ml ²	<1 CFU/10ml ²
Endotoxin	<0.25 EU/ml	<0.25 EU/ml

¹Subject to a maximum feed water TDS of 500 ppm. For applications outside of this range, please contact Technical Support.

²System to be installed and regularly disinfected following ELGA LabWater installation design guidelines. Sample to be taken from hygienic sample valve and sampled in accordance with ELGA LabWater Guidelines.

Dimensions and weights

Dimensions	Height 820mm (32.8in), 834mm (33.4in) including castors, Width 790mm (31.1in), Depth 480mm (18.9in)	
Supply weight	58kg (127.7lb)	58kg (127.7lb)
Operational weight	115kg (253.5lb)	115kg (253.5lb)
Installation	Floor mounted ³	Floor mounted ³

³Install in a properly ventilated area.

Feedwater Requirement

Source	Tap water as detailed below	
Conductivity	<2000 µS/cm *	
Contaminant		
Hardness	<250 ppm as CaCO ₃	
Free Chlorine	<1 ppm Cl ₂	
Chloramine	<0.2 ppm Cl ₂	
Silica	<30 ppm SiO ₂	
Fouling Index	<10 FI	
Iron/manganese	<0.05Fe/Mn ppm	
Organics	<3 ppm TOC	
Temperature	4 – 40°C (Recommended 15 - 25°C)	
Flowrate (requirement at 15°C)	9 l/min	9 l/min
Drain requirements (gravity fall with air gap)	20 l/min	20 l/min
Feedwater pressure	90psi (6bar) maximum, 30psi (2bar) minimum	

Failure to comply with the feed water pretreatment recommendations will affect the life and performance of key components and may invalidate the warranty.

Feedwater requirements are specified for systems fitted with a Protek pretreatment cartridge.

If feedwater purity is variable or values are outside any of the above ranges, additional pretreatment is recommended to be installed in the feedwater supply to the BIOPURE system.

If in doubt seek advice from Technical Support at ELGA LabWater.

* Deionization cartridge life may vary with feedwaters >1400 µS/cm

Electrical Requirements

Mains Input	230V ac, 50Hz
System control voltage (not including pumps and UV)	24V dc
Power consumption (peak demand)	800VA
Electrical protection rating	13 amp supply with suitable ELB
Noise level	<60 dBA

Veolia Water Technologies (UK) Ltd

Windsor Court, Kingsmead Business Park, High Wycombe, Buckinghamshire HP11 1JU

Tel: +44 (0) 1628 897000 • Email: sales.watertech@veolia.com • Web: www.veoliawatertechnologies.com

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