

BIOPURE

HEALTHCARE

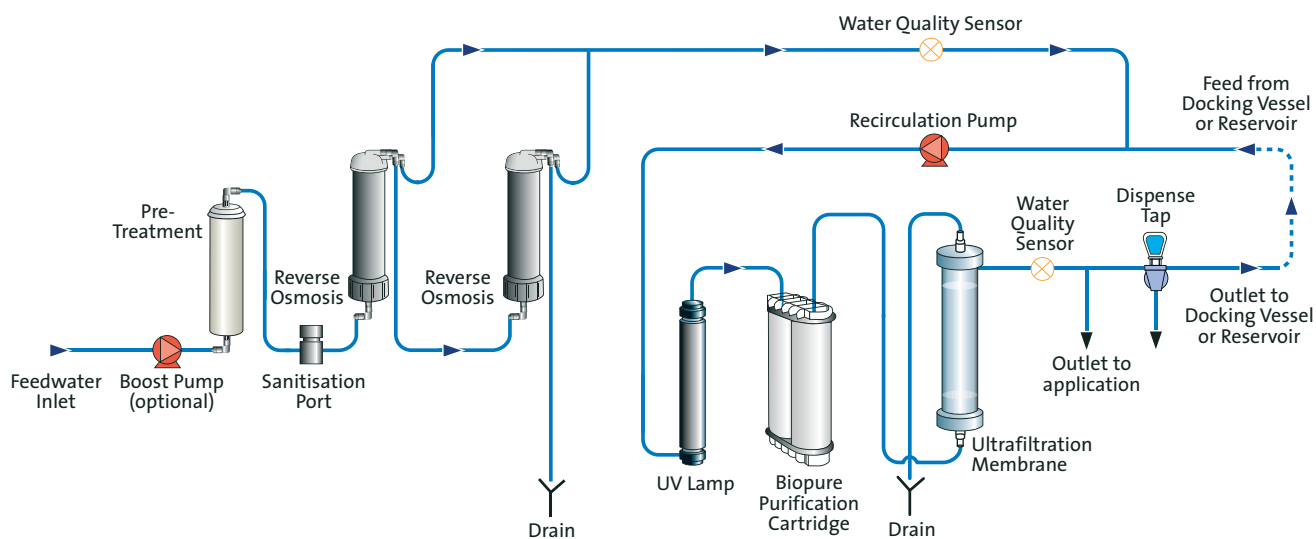


BIOPURE 7/15

The BIOPURE 7/15 has been designed to deliver compliant purified water at the point of use for a wide range of washer disinfectors and autoclaves to minimize contamination risk to patients.

- Cost effective – provides the convenience of on-demand pure water at a price comparable with purified bottled water
- Space saving – the BIOPURE'S compact size means that it can be positioned under a bench, wall mounted or fitted into a cabinet
- Guaranteed bacterial specification, provided by integrated purification technologies combined with easy system disinfection
- Water specification is maintained in the reservoir by regular recirculation through the purification technologies

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Treated Water Specifications

MODEL	BIOPURE 7	BIOPURE 15
Make-up rate @15°C	7 l/hr	15 l/hr
Delivery flow rate – maximum	2 l/min @ 15psi (1bar)	2 l/min @ 15psi (1bar)
Inorganics (conductivity @25°C)	<1 µS/cm	<1 µS/cm
Bacteria – typical	<1 CFU/10ml ¹	<1 CFU/10ml ¹
Endotoxin	<0.25 EU/ml	<0.25 EU/ml

¹ System 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 460mm (18.1in), Width 550mm (21.7in), Depth 270mm (10.6in)	
Operational weight	20Kg	21Kg
Installation	Bench/Wall ²	Bench/Wall ²

² Install in a properly ventilated area.

Feedwater Requirement

Source	Tap water as detailed below	
Conductivity	<2000 µS/cm *	<2000 µS/cm *
Contaminant		
Hardness	<250 ppm as CaCO ₃	<250 ppm as CaCO ₃
Free chlorine	0.5 ppm	0.5 ppm
Chloramine	<0.2 ppm	<0.2 ppm
Silica	<30 SiO ₂ ppm	<30 SiO ₂ ppm
Fouling index	<10 FI	<10 FI
Iron/manganese	<0.2 ppm	<0.2 ppm
Organics	N/A	N/A
Temperature	4 – 40°C (Recommended 15 - 25°C)	
Flowrate (requirement at 15°C)	1.3 l/min	1.4 l/min
Drain requirements (gravity fall with air gap)	1.2 l/min	1.2 l/min

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

Feedwater Pressure

Maximum without internal boost pump	90psi (6.0bar)	90psi (6.0bar)
Minimum without internal boost pump	60psi (4.0bar)	60psi (4.0bar)
Maximum with internal boost pump	30psi (2.0bar)	30psi (2.0bar)
Maximum without internal boost pump	Flooded Suction	Flooded Suction

Electrical Requirements

Mains Input	100-240V ac, 50-60Hz
System control voltage (not including pumps and UV)	24V dc
Power consumption with boost pump	80VA
Power consumption without boost pump	50VA
Electrical protection rating	13 amp supply with suitable ELB
Noise level	<45 dBA

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