

BIOPURE
HEALTHCARE

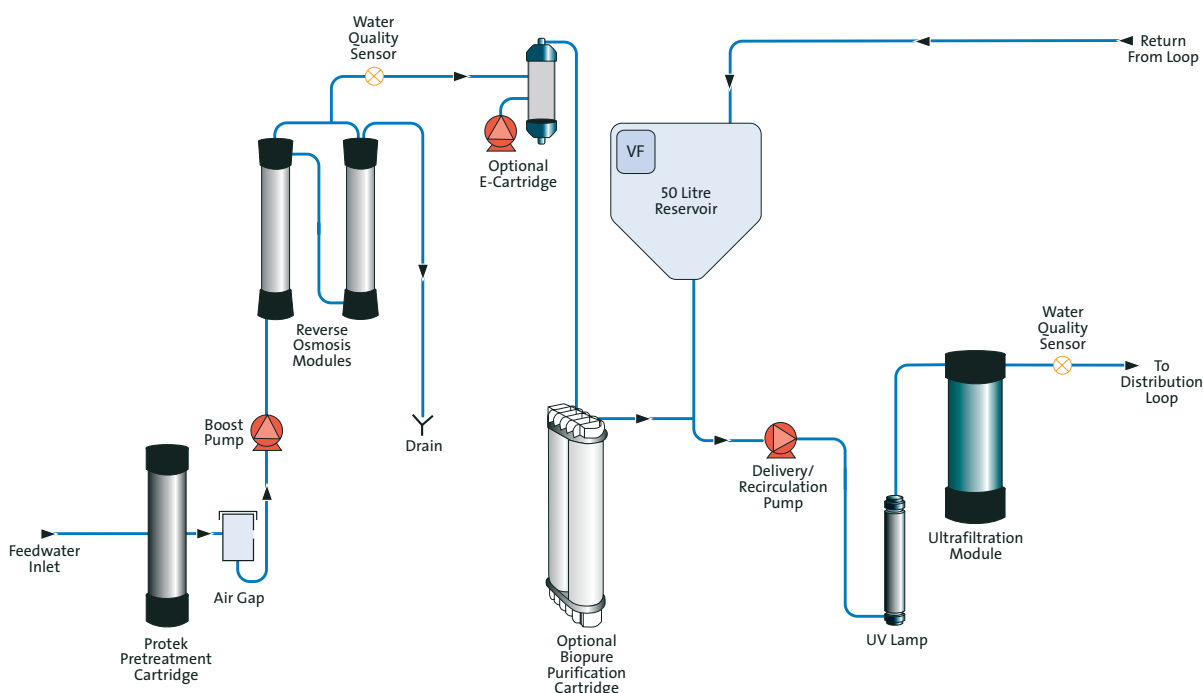


BIOPURE 60/120

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 |

ELGA LabWater

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