



**FRESENIUS
MEDICAL CARE**



AquaBplus product group

Versatile dialysis water system that offers the flexibility clinics require.

AquaBplus

Cost-effective water supply without compromising quality

AquaBplus, which has proven itself in the field for over a decade, offers all relevant functions of central water purification for up to 100 HD machines¹ while not compromising reliable operation.

The system's modular structure and wide range of options and accessories offers the flexibility clinics require.



Key benefits



Modular & expandable

Customized solution for specific requirements: single stage, double stage, loop heat disinfection, ultrafiltration and up to three dialysis water distribution loops.



Operational safety

High level of redundancy by double-stage system design. Integrated emergency operation to enable the operation.



Thermal disinfection

Based on the A_0 concept,² prevents biofilm growth in the dialysis water distribution loop³.



Small footprint

Can be installed in rooms where space is precious.



Connectivity, ecosystem integration

IT communication to Infrastructure Data Management System (IDMS) and remote-control option.

¹ Calculation is based on a hemodialysis device dialysis water consumption of 500 ml/min and 15°C water temperature

² A_0 concept specified in ISO 15883-1

³ Néstor Gabriel; Toapanta Gaibora Luis Gil Sacaluga; Franciscode la Cerda Ojedab; José Ramón; Molas Cotén; Mercedes Salgueira Lazoc.

Desinfección térmica en hemodiálisis usando el concepto A_0 como dosificador (Thermal disinfection in hemodialysis using the A_0 concept as dispenser). 2019 Sep - Oct;39(5):482-488

Flexible, modular design for individual clinic setups



Flexibility means more capability. The AquaBplus is a modular system, so it fits into a flexible footprint to meet your clinic's unique needs. With different dialysis water capacities and expansion accessories, you will find a solution for your needs.

AquaBplus



Single-stage reverse osmosis system. Supplies dialysis water to the distribution system according to ISO 23500- 3 and serves as the interface and master system for all additional accessories that can be added to the system.¹

AquaBplus B2



Double-stage reverse osmosis system. This can be added to the AquaBplus device to improve dialysis water quality and redundancy. Its advanced fail-safe mode adds full system redundancy and enables reliable supply even in case of hydraulic failures.²

AquaBplus UF



Central ultrafiltration. A central ultrafiltration unit placed before the Dialysis Water Distribution Loop that offers a final barrier against endotoxins and microbiological in the product water stream.



¹ Available system versions AquaBplus: AquaBplus 500; AquaBplus 1000; AquaBplus 1500; AquaBplus 2000; AquaBplus 2500; AquaBplus 3000.

² Available system versions AquaBplus B2: AquaBplus B2 500; AquaBplus B2 1000; AquaBplus B2 1500; AquaBplus B2 2000; AquaBplus B2 2500.

Efficient, modular system capacities for different clinic sizes



Reduced water consumption. Depending on your settings and water quality, up to **75%** of the inlet water can be used for your dialysis treatments.



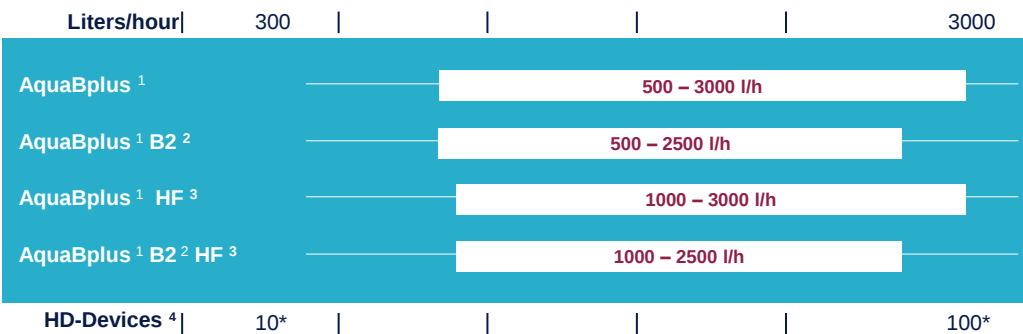
Less rinse-water waste. Our zero-rinse technology reduces the use of fresh water by rinsing the supply lines to the dialysis stations with recycled product water.



Multiple water-saving. Concentrate and dialysis water recirculation. With consumption monitoring, discharge water adjustment according to dialysis water consumption for efficiency / yield improvement.



Modular system capacities. Thanks to different dialysis water output capacities between 500 and 3000 l/h, the systems can be optimally designed to fit individual clinic sizes.



¹ Available system versions AquaBplus: AquaBplus 500; AquaBplus 1000; AquaBplus 1500; AquaBplus 2000; AquaBplus 2500; AquaBplus 3000.

² Available system versions AquaBplus B2: AquaBplus B2 500; AquaBplus B2 1000; AquaBplus B2 1500; AquaBplus B2 2000; AquaBplus B2 2500.

³ Available system versions AquaB plus HF (accessorie for AquaBplus)

⁴ Calculation is based on a hemodialysis device dialysis water consumption of 500 ml/min & 15°C water temperature

Flexible, modular design for individual customer needs

Heat disinfection for the dialysis water distribution loop



AquaBplus HF automated heat disinfection. Extends the AquaBplus by incorporating a fully automatic heat disinfection system used to disinfect the dialysis water distribution loop, Ultrafiltration membranes and integrated heat disinfection for hemodialysis devices.



Designed to prevent bacterial proliferation & formation of biofilm.

- Thermal heat disinfection based on the A_0 concept according to ISO 15883-1.
- Heat disinfection of up to 6 hemodialysis devices at the same time.
- Variable configuration of the duration of the different heat disinfection program phases.
- Ultrafiltration heat disinfection with purified water.



Interface heat disinfection.

In combination with our hemodialysis device from Fresenius Medical Care, we are able to provide a fully validated system disinfection from the water treatment to the hydraulic unit of the hemodialysis device based on the A_0 concept specified in ISO 15883-1.





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