

Cardioprotective Haemodialysis

AquaBplus

The right fit for your budget



Cardioprotective Haemodialysis **SPOT**



**FRESENIUS
MEDICAL CARE**

Protect your Patient

AquaBplus – the modular reverse osmosis platform

The Online Purification Cascade (OPC) is a significant part of the Fresenius Medical Care integrated approach to dialysis therapy. The OPC product line covers all processes for the delivery of high-quality fluids required for dialysis treatment.

In order to achieve the necessary fluid quality, the OPC product line comprises a series of devices, addressing different purification steps, such as reverse osmosis (RO) systems.

High-quality dialysis calls for a reliable reverse osmosis device. **AquaBplus**, developed on the proven platform of AquaB, is designed to meet individual requirements in a technical and economical manner, due to its flexible design.

Economic

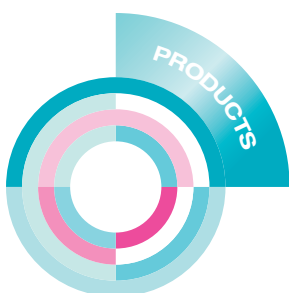
- Modular structure to fit individual needs
- Demand-controlled water-saving circuit
- Reduced operating costs thanks to intelligent parameter control

Protective

- High permeate quality by dead space-free tubing connection and integration of automatic rinse programme
- Leakage monitoring and guided chemical disinfection
- Redundant components and fail-safe mode for uninterrupted permeate supply in case of system failure
- Supporting system validation and revalidation

Reliable

- Closed housing protects the device from damage and dirt
- Developed based on the technology proven by ten years of in-field experience with AquaB



The individual units of the AquaBplus platform can be combined to fit the local requirements in terms of water quality and regulatory demands:

SPOT on:

- Economical solution with proven technology

Single stage

AquaBplus is the basic module for permeate production. If installed with additional options, the device serves as a user interface.



Double stage

AquaBplus B2 forms a double pass system for higher permeate quality. Connected in series, the first and second stages of AquaBplus operate together or individually in fail-safe mode.



Single or double stage with flow heater

AquaBplus HF permits temperature-monitored heat disinfection of the permeate ring main, and up to five dialysis devices at a time.



Technical Data

Specifications			
	AquaBplus	B2	HF
Dimensions (h x w x d)	150 x 55 x 95 cm	150 x 55 x 95 cm	150 x 22 x 60 cm
Weight (filled)	160–370 kg	150–320 kg	75 kg
Capacity	500–3,000 L/h	500–2,500 L/h	Up to 5 stations simultaneously
Yield	Up to 75%	Up to 75%	n/a
Power supply	380–400 V~, 50 Hz, 16 A	380–400 V~, 50 Hz, 16 A	380–400 V~, 50 Hz, 32 A

Configuration Options									
AquaBplus model	Second stage*	Ring base*	Prefilter*	Heat disinfection unit	Wall-mounted inlet unit	Fail-safe mode**	Visual status indicator	Additional sample port	External buzzer
AquaBplus 500	–	○	○	○	○	○	○	○	○
AquaBplus 1000	B2 500	○	○	○	○	○	○	○	○
AquaBplus 1500	B2 1000	○	○	○	○	○	○	○	○
AquaBplus 2000	B2 1500	○	○	○	○	○	○	○	○
AquaBplus 2500	B2 2000	○	○	○	○	○	○	○	○
AquaBplus 3000	B2 2500	○	○	○	○	○	○	○	○

* Cannot be retrofitted

** Standard for double-pass system

○ Optional

– Not available

Ring base* – ring main cutoff unit

Prefilter* – replaces the last filter in the pre-filtration unit

Heat disinfection unit – ring main heat disinfection for the permeate ring main and connected dialysis devices

Wall-mounted inlet unit – distribution of the permeate to several ring mains

Fail-safe mode** – additional hardware to ensure safe operation of the system in the event of an electronic failure

Visual status indicator – external indicator showing the operating status

External buzzer – sounds an audible signal if a critical error occurs

