

Haemodialysis

AquaBplus

Water treatment



**FRESENIUS
MEDICAL CARE**

AquaBplus

Superior water quality for your patients



The AquaBplus product range is the central platform for permeate production in the dialysis centre. Its modular design permits the configuration of single pass or double pass reverse osmosis systems for the supply of up to 50 dialysis devices.

Product quality

- High chemical and microbiological quality by dead-space free tubing connection of all components
- Reduced biofilm formation by integration of automatic rinse programs
- Monitoring of correct dosage of the disinfectant ensured by the sensor system during chemical disinfection

Safety

- The dead-space free sampling port integrated into the wallmounted inlet unit facilitates quality assurance
- Integrated leakage monitoring
- Detailed documentation of all operating parameters in an integrated service data recorder
- The integrated emergency mode ensures continuous permeate supply to the dialysis centre in the event of a failure, even in case of a complete failure of the electronics
- Designed for the future using the latest microcontroller technology

Efficiency

- A number of expansion options permits customisation to meet individual needs and flexible pricing
- Demand-controlled water saver circuit for permeate supply
- Intelligent operating parameter control for operational cost savings and increased service life

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AquaBplus product range information



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AquaBplus B2 option



AquaBplus B2 HF option

AquaBplus

The AquaBplus is the basic module for permeate production in the dialysis centre.

- Integrated functional test to check sensors and hydraulic components before dialysis operation
- Menu-structured user interface
- Customisable design with numerous options
- Service data recorder function
- Optional access via network

AquaBplus B2

The AquaBplus B2 is an additional reverse osmosis module for the AquaBplus forming a double pass system for highest permeate quality.

- The modules which are connected in series, are operated together or in emergency operation as stand-alone units

AquaBplus HF option

The AquaBplus HF permits heat disinfection of the permeate ring main, the permeate supply lines and the dialysis devices.

- Sequential disinfection of groups of up to 5 haemodialysis devices at a time
- Can be retrofitted
- Reduces biofilm formation during non-dialysis hours, without the use of chemicals
- Continuous temperature monitoring

AquaBplus



Specifications		(Medical device Class 2b)	
	AquaBplus	B2	HF
Dimensions (h x w x d)	150 cm x 55 cm x 95 cm	150 cm x 55 cm x 95 cm	150 cm x 22 cm x 60 cm
Weight; filled	160–370 kg	150–320 kg	75 kg
Capacity	AquaBplus	B2	HF
Permeate	500–3000 L/h	500–2500 L/h	Up to 5 stations simultaneously
Yield	55–75 %	55–75 %	–
Requirements	AquaBplus	B2	HF
Electrical	380–400 V; 50 Hz; 16 A; 4.5 kVA	380–400 V; 50 Hz; 16 A; 4.5 kVA	380–400 V; 50 Hz; 32 A; 21 kVA
Ambient temperature	5 °C to 35 °C	5 °C to 35 °C	5 °C to 35 °C

Configuration options

AquaBplus Basic system	Second stage*	Ring Base*	Prefilter*	Ring main heat disinfection	Wall- mounted inlet unit	Emergency mode**	External status indicator	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

RingBase* – ring main cutoff unit

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

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

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

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

External status indicator – visual indicator showing the operating status

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

