

Cardioprotective Haemodialysis

# AquaA

Our innovation meets your evolving needs



Cardioprotective Haemodialysis **SPOT**

# Protect your Patient

## AquaA – 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.



**The AquaA is a comprehensive RO platform designed for today's standards, tomorrow's developments and future innovations.**

### Convenient

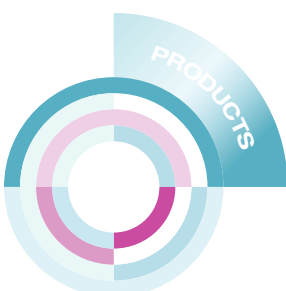
- Highly automated operation, disinfection and documentation
- Easy system surveillance and operation both on-site and remotely

### Protective

- Detailed self-test routines and continuous sensor surveillance to prevent system failures
- Redundant components and a two-level fail-safe mode for uninterrupted permeate supply even in case of electronics or hydraulic failure
- Supporting system validation and revalidation

### Innovative

- Easy integration into existing IT infrastructure via an Ethernet interface
- Optimised use of resources thanks to features such as Eco-Mode and Zero-Litre-Rinse
- Dedicated technology platform for future developments



**Thanks to its modular structure the AquaA platform can be easily adapted to individual needs and to match evolving demands:**

**SPOT on:**

- Flexibility for your individual needs

### Single stage

The first stage of the AquaA platform supplies permeate to the system. At the same time it serves as the interface and control panel for all additional components that can be added to the system.



### Single stage with heat disinfection

AquaHT extends the AquaA single stage by a 380 L tank unit for fully automatic heat disinfection of the permeate ring main, RO membranes and up to 35 HD devices at a time. It is designed to prevent bacterial proliferation and to minimise the formation of biofilm.



### Double stage with heat disinfection

A second stage can be added to any AquaA system in order to increase permeate quality and safety. Its advanced fail-safe mode adds full redundancy to the system, ensuring safe and reliable permeate supply even in case of hydraulic failures.



### Customisation options

Further customisation of the AquaA platform is possible with the following options:

- Deionisation unit AquaCEDI
- Flow heater unit HOTfeed
- Ultrafiltration unit AquaUF
- Remote control

## Technical Data

Specifications					
	AquaA	AquaA2	AquaCEDi	HOTfeed	AquaHT
<b>Capacity</b>					
cold	1,000–4,000 L/h	1,000–4,000 L/h	1,000–4,000 L/h	130 L/h	380 L tank
hot	900–3,600 L/h	900–3,600 L/h	900–3,600 L/h	@ 50% insulation & 250 m ring main	
<b>Yield</b>	Up to 85%	Up to 85%	Up to 95%	n/a	n/a
<b>Dimensions</b> (h x w x d)	184 x 61 x 120 cm	184 x 61 x 120 cm	195 x 50 x 115 cm	174 x 60 x 50 cm	184 x 61 x 120 cm
<b>Weight</b> (empty/filled)	300/500 kg	280/410 kg	270/300 kg	150 kg	200/620 kg
<b>Power supply</b>	380–400 V~, 50 Hz, 16 A	380–400 V~, 50 Hz, 16 A	380–400 V~, 50 Hz, 16 A	380–400 V~, 50 Hz, 32 A	380–400 V~, 50 Hz, 32 A

Configuration Options							
First stage	Second stage	Deionisation unit	Heat disinfection flow heater	Heat disinfection tank*	Ultrafiltration unit	Remote control**	Fail-safe mode
<b>AquaA 1000</b>	○	○	○	○	○	○	●
<b>AquaA 2000</b>	○	○	○	○	○	○	●
<b>AquaA 3000</b>	○	○	○	○	○	○	●
<b>AquaA 4000</b>	○	○	○	○	○	○	●

\* Decreases capacity by 100 L/h for each module

\*\* Not available for flow heater unit

- Standard
- Optional



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