

## AquaUF Data Sheet

Ultrafiltration for AquaA or AquaA-AquaA2



### Compliance with ISO Standards

The option **AquaUF** (central ultrafiltration system) streamlines compliance with ISO dialysis water quality standards

- ISO 23500-1** Part 1: **addresses** guidance for the preparation and quality management of fluids for hemodialysis and related therapies
- ISO 23500-2** Part 2: **covers** water treatment equipment for hemodialysis applications and related therapies
- ISO 23500-3** Part 3: **specifies** minimum requirements for water for hemodialysis and related therapies

### AquaUF is the central ultrafiltration unit in front of your Dialysis Water Distribution Loop

#### Key features & functionality

- Central dialysis water ultrafiltration with our medical device accessory AquaUF
- The ultrafiltration module retains constituents in the water, such as bacteria and endotoxins
- Ultrafiltration molecular weight cut-off 30 kDa
- Hollow fiber modules based on double asymmetric membranes
- Heat disinfection of ultrafilter: hollow fiber modules can be disinfected with hot water, a key advantage in pure water treatment

- The central ultrafilter is completely disinfected in the chemical or the hot disinfection of the AquaA system
- Dead space-free design

#### Certifications

- 510 (k) K213507
- UL Certified



# Technical Data

## Specifications

<b>Feed flow @ 15°C</b>	<b>AquaUF 2500</b> 2250 L/h	<b>AquaUF 4000</b> 4000 L/h
<b>Pressure loss</b>	0.7 bar @ 2000 L/h	1.2 bar @ 4000 L/h
<b>Weight</b> in kg (empty / filled)	28 / 35 kg	32 / 45 kg
<b>Valves, electrical data</b>	1 × 24 VDC 0.5 A	2 × 24 VDC 0.5 A
<b>Inlet &amp; outlet connection</b>	Clamp PVDF	
<b>Drain water connection</b>	Min. DN 50	
<b>Dimensions</b> in mm (h × w × d)	1600 mm × 400 mm × 400 mm	
<b>Installation</b>	Wall installation	

## Operating conditions

<b>Inlet water</b>	Dialysis water
<b>Feed water temperature</b> @ Supply mode	Min. 5 °C / max. 35 °C
<b>Feed water temperature</b> @ Heat disinfection	Max. 87 °C @ tolerance +1°C
<b>Feed water pressure</b> @ up to 50°C	Max. 6 bar
<b>Feed water pressure</b> @ 80°C	Max. 4 bar
<b>Atmospheric pressure</b>	700-1150 hPa
<b>Ambient temperature range</b>	+5 °C to +35 °C
<b>Relative humidity</b>	Up to 70% at 20 °C (non-condensing)

## Transport and storage conditions

<b>Storage temperature range</b>	+5 °C to +40 °C (protect from frost)
<b>Storage time</b>	Storage time of preserved system: maximum 12 months
<b>Atmospheric pressure</b>	500-1150 hPa
<b>Relative humidity</b>	Up to 70% at 20 °C (non-condensing)

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## Materials in contact with dialysis water

Materials used

Biological evaluation of medical devices according to ISO 10993-1

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## Product codes

AquaUF ultrafiltration

AquaUF 2250: F00011250

AquaUF 4000: F00011253

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## Indications for Use

The AquaA Water Purification Systems are reverse osmosis units intended for use with hemodialysis systems to remove organic and inorganic substances and microbial contaminants from the water used for treating hemodialysis patients or other related therapies. These devices are intended to be a component in a complete water purification system and are not complete water treatment systems. Each reverse osmosis unit must be preceded by pre-treatment devices and may need to be followed by post-treatment devices as well, to meet current AAMI/ANSI/ISO and Federal (US) standards.