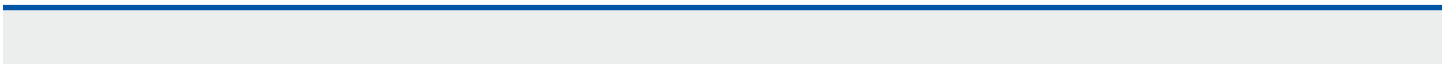




## **Compliance with ISO Standards**

The *AquaBplus* HF heat disinfection system streamlines compliance with ISO dialysis water quality standards.

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



# Technical Data

## Specifications

<b>Hot Permeate Capacity</b>	Heat disinfection of four dialysis machines in parallel or up to 2.4 L/m of consumption
<b>Dimensions</b> (h x w x d)	150 x 22 x 60 cm
<b>Weight</b> (filled)	75 kg
<b>Maximum Pressure</b>	6 BAR
<b>Temperature Heat Disinfection</b>	70-92°C (adjustable)
<b>Heater Output</b>	Max. 19.5 kVA
<b>Noise Level</b>	Noise level in <b>SUPPLY</b> mode: 65-76 dB (distance of 1 m) (depending on system capacity and features)

## Electrical Supply

<b>Electrical Supply/Three-phase Current</b>	208 V~, 60 Hz; 3/N/PE
<b>Power Consumption</b>	22 kVA
<b>Radiated Heat Loss</b> (heat disinfection)	2.3 kW
<b>Overcurrent Protection</b>	80 A tripping characteristic (depending on voltage/version); D or K or similar recommended (due to high starting currents) Residual current circuit breaker RCD 30 mA recommended
<b>Socket</b>	208 V: hardwired/CEE socket
<b>Type of Protection Against Electric Shock</b>	Protection Class I
<b>Applied Parts Classification</b>	Type B
<b>Degree of Ingress Protection Against Liquids</b>	Drip-proof
<b>Leakage Currents</b>	According to EN 60601-1
<b>Overvoltage Category</b>	II
<b>Pollution Severity</b>	II
<b>Material Group</b>	III b
<b>Operating Mode</b>	Continuous operation (standby)

# Technical Data

## Water Supply

**Permeate Connection** Direct PE-Xa connector 25 x 3.5 mm (feed and return)

## Operating Conditions

<b>Atmospheric Pressure</b>	Ambient pressure: 700–1150 hPa
<b>Ambient Temperature Range</b>	+5°C to +35°C
<b>Relative Humidity</b>	Up to 80% at 20°C (non-condensing)
<b>Inlet Water</b>	Dialysis water



# Technical Data

## Transport and Storage Conditions

<b>Storage Temperature Range</b>	+5°C to +40°C (protect from freezing)
<b>Atmospheric Pressure</b>	Ambient pressure: 500–1,150 hPa
<b>Relative Humidity</b>	Up to 80% at 20°C (non-condensing)

## Materials in Contact with Dialysis Water

Type	Material	
<b>Polymers</b>	PP	Polypropylene
	PE	Polyethylene
	PSU	Polysulfone
	PPO	Polyphenylene oxide
	PVDF	Polyvinylidene fluoride
<b>Rubber</b>	EPDM	Ethylene propylene diene monomer
		Silicone
<b>Metals</b>	1.4571	Stainless steel
	1.4404	Stainless steel
	TI	Titanium
<b>Ceramics</b>	Al2O3	Ceramic

## Indications for Use

The **AquaBplus** 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 (U.S.) standards.

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