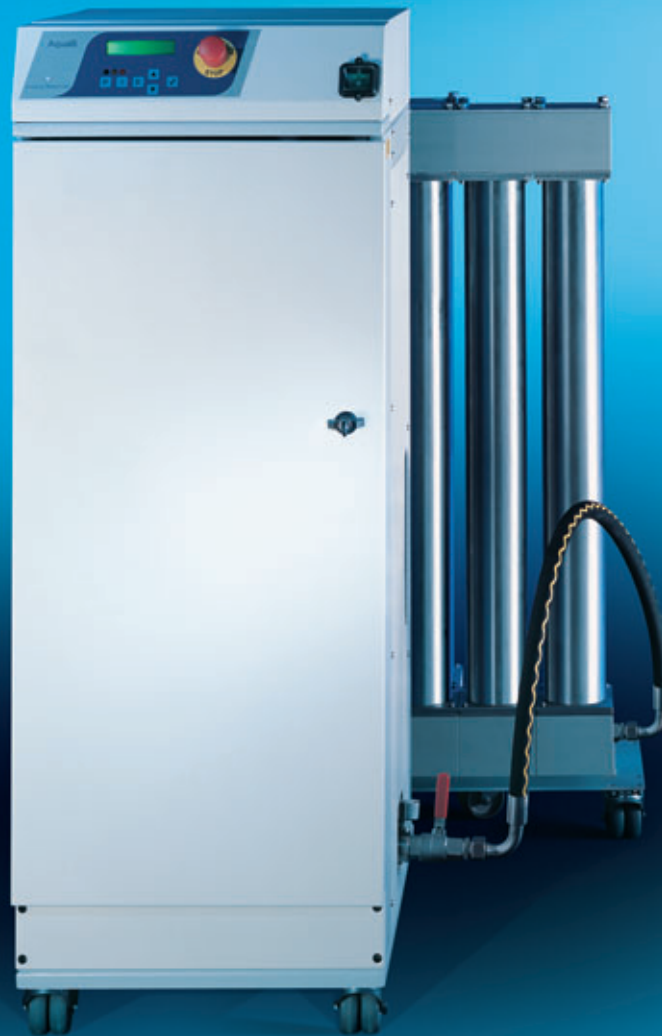


Haemodialysis

AquaB

Central reverse osmosis water treatment system
for safe dialysis operation



Fresenius Medical Care

AquaB

Central reverse osmosis water treatment system for safe dialysis operation

The AquaB is a single pass reverse osmosis unit designed to meet the needs and quality standards of a modern dialysis centre.

Microbiological purity

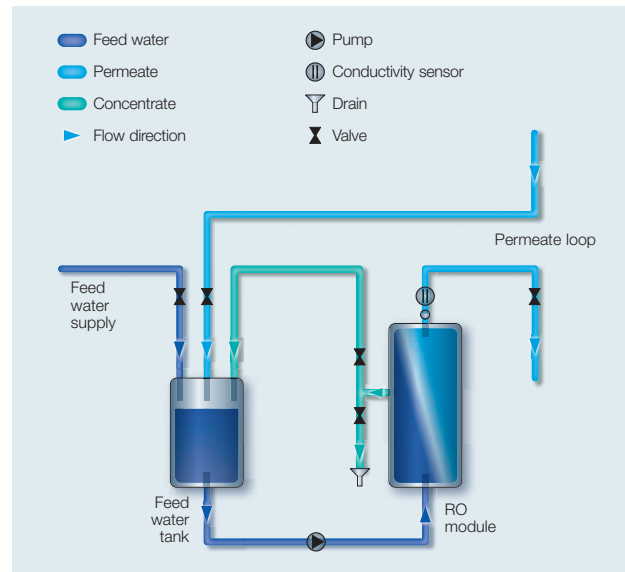
- An integrated aseptic sample point at the beginning of the permeate line allows easy and accurate microbiological sampling.
- Semi-automatic volume controlled chemical disinfection provides accuracy, security and safety during the disinfection cycle.

Safety in dialysis operation

- The unit is controlled by a microprocessor which provides a user-friendly interface for both manual and automatic control settings.

Economical operation

- AquaB includes the patented Fresenius “dynamic” water saving device providing a considerable reduction in water usage and subsequent cost savings.



Flow scheme of Fresenius AquaB

- A fully programmable control with a 7-day calendar clock provides automated flexible operation. It includes options for automatic start/stop, “stand-by” and “auto-rinse” functions.
- The modular design allows for future expansion whilst avoiding large expenditure for replacement equipment.

Technical data		(Medical device CE certified)	
Electronic control unit		Feed water supply	
Microprocessor control unit, illuminated clear text display, operator guidance and indication of machine parameters. Additional features include data backup in case of power failure, RS232 serial interface port and optional remote control.		Feed water supply (at RO inlet)	potable water (full feed water analysis required)
Hydraulic units		Inlet pressure	dynamic 2–6 bar
Chassis	mobile design, stainless steel powder coated chassis	Inlet temperature	5–30°C
Control unit	1420 mm × 510 mm × 660 mm (h × w × d) (models 250–500: depth 790 mm)	Hardness	< 1° dH (0.2 mmol/L)
Separate RO module unit (for units ≥ 750)	1315 mm × 525 mm × 500 mm (h × w × d)	Free chlorine	< 0.1 ppm
Weight (approx.)	control unit 150 kg, module unit 180 kg maximum for 8 module units	SDI (Silt Density Index)	< 3
		Power supply	
		Standard power supply	three phase supply 380–400 V 50Hz/16A, slow blow type C MCB, CEE plug
		Consumption	max. 3.5 kW
		Performance	
		AquaB	250–2250 l/h (250 L/h per module at 15°C and 3.0 bar counter pressure)
		Yield	adjustable, typical 70%

Technical specifications subject to change



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