

Haemodialysis

AquaWTU

Compact water treatment system



Fresenius Medical Care

AquaWTU

Compact water treatment system for safe dialysis operation

The AquaWTU is a complete reverse osmosis water treatment system designed to operate in either a direct feed format, supplying up to 5 dialysis machines, or with a treated water tank for alternative applications. The complete system is housed within a compact sound proofed frame providing quiet operation and portability.

Microbiological purity

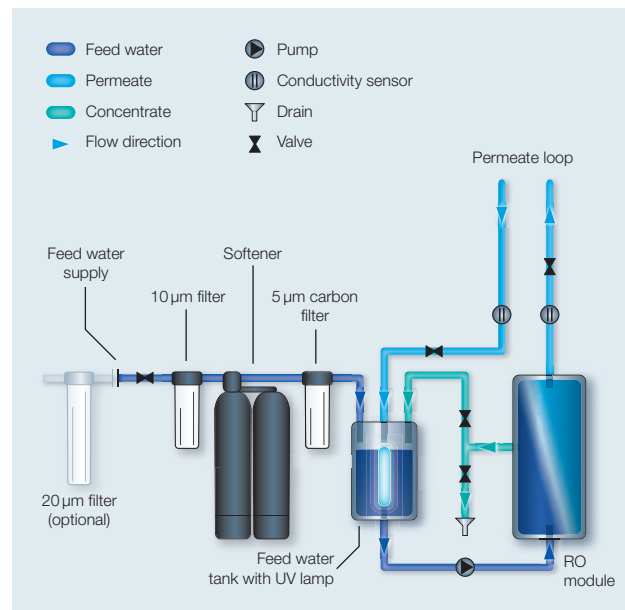
- The semi-automatic volume controlled chemical disinfection, provides accuracy, security and safety during the disinfection cycle.
- The microbiological purity of the permeate is maintained during standby periods, with the auto rinse program.
- The UV light inside the feed water tank provides additional protection against microbiological growth.

Safety in dialysis operation

- The unit is controlled by a microprocessor which provides a user friendly interface for both manual and automatic operation.
- The continuous online monitoring provides additional patient security and operating efficiencies.

Economical operation

- The programmable auto start / stop and standby functions enable efficient use of water, energy and consumables.
- The ability to supply up to 5 dialysis machines from a single all-in-one unit, reduces capital investment.
- The AquaWTU is quick and easy to install reducing on site installation costs.



Flow scheme of Fresenius AquaWTU

Technical data		(Medical device CE certified)
Electronic control unit		
Microprocessor control unit, illuminated clear text display, operator guidance and indication of machine parameters. Data backup in case of power failure, RS232 serial interface port, optional remote control		
Hydraulic unit		
Chassis	mobile design, stainless steel powder coated chassis	
Dimensions (h × w × d)	925 mm × 510 mm × 580 mm (720 mm with optional pre-filter)	
Weight (approx.)	110 kg (dry)	
Feed water supply		
Feed water supply	potable water	
Inlet pressure	3.5–6.0 bar	
Inlet temperature	5–30°C	
SDI (Silt Density Index)	< 5	
Drain	DN 32 drain and air break installed	
Power supply		
Standard power supply	single phase supply 230 V AC 50 Hz, 16 A, 750 VA	
Performance		
AquaWTU 125	125 L/hr at 15°C, 1.5 bar counter pressure	
AquaWTU 250	250 L/hr at 15°C, 1.5 bar counter pressure	
Yield	adjustable, (typical operation 50–70%)	
Technical specifications subject to change		



Fresenius Medical Care