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.

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 925 mm x 510 mm x 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 single phase supply
Power supply 230V AC 50Hz, 16A, 750VA

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