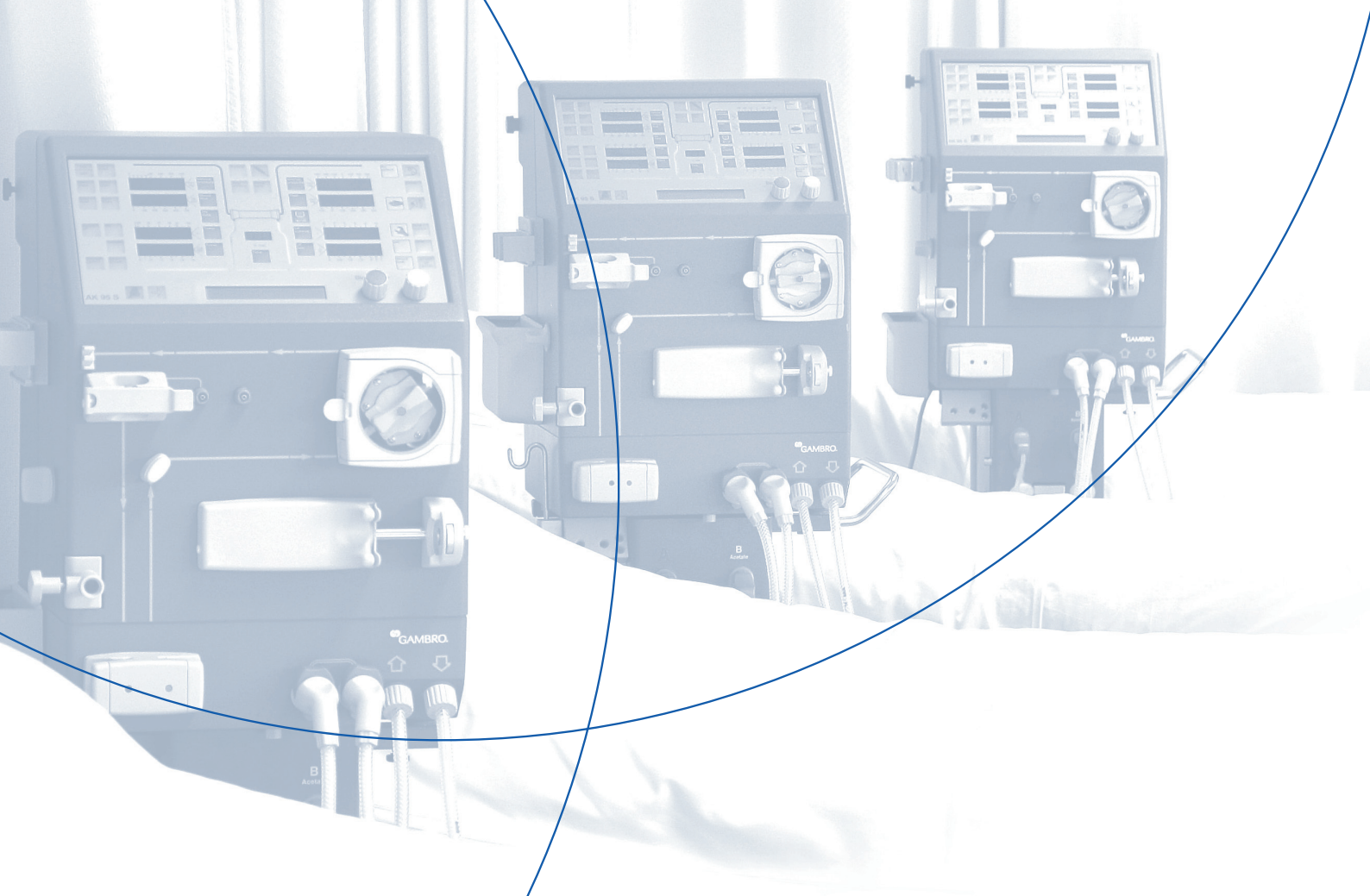
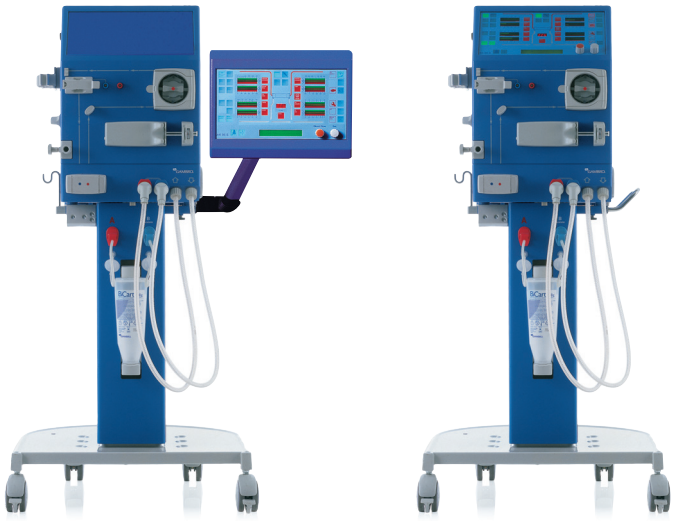


AK 95 S
Technical data



GAMBRO®

Technical data – AK 95 S

Quick preparation
Automatic self-test
Auto-priming
Pre-settable treatment parameters

Treatment simplicity
Pre-settable acetate/bicarbonate fluid composition
Direct setting of Na^+ and HCO_3-
Access to all treatment parameters at all times, monitoring at a glance
Designed for BiCart dialysis
Ultrafiltration control
Automatic switch from isolated UF to diffusion
Automatic calculation and display of non-diffusive time
Single Needle/Single Pump with low recirculation

Hygiene
Automatic disinfection
Pre-settable for different disinfectants
CleanCart disinfection
Heat disinfection, with or without CleanCart option
Chemical disinfection memory
Ultrafilter for pure dialysis fluid

Ease of use
One button-One function User Interface concept for easy handling
Easy calibration, pre-setting and logging
Computer interface

Options
Remote Operator's Panel
Blood Pressure Monitoring
Battery Back-up Kit (30 minutes min.)
Ultrafiltered Dialysis Fluid Kit
pH probe Kit

Blood flow control
Flow rate, double needle:
0 and 20 to 500 ml/min
Flow rate, single needle:
0 and 20 to 500 ml/min, time or pressure-controlled

Blood pressure supervision
Arterial pressure: -700 to +750 mmHg
Venous pressure: -700 to +750 mmHg

Air detection
Method: Ultrasonic detector
Drip chamber size: 22 mm diameter

Heparin administration
Flow rate: 0 to 10 ml/h, programmable stop time, accumulated volume read-out

Water supply
Inlet pressure:
0.12 to 0.6 MPa (1.2 to 6 bar)
Inlet temperature: 5 to 30 °C
Quality: Fluid should comply with national & international standards,
e.g. ANSI/AAMI

Dialysis fluid preparation and monitoring
Temperature:
Adjustable between 33 to 40 °C
Flow rate: 300, 500 or 700 ml/min
Acetate range: Na^+ 130 to 160 mmol/l
Bicarbonate range: Na^+ 130 to 160 mmol/l, HCO_3- 20 to 40 mmol/l
pH meter: Range 1.0 to 9.9
Profiling (Na^+, HCO_3^-, UF)

Ultrafiltration control
UF volume: Adjustable, 0 to 10.00 l
Accuracy: ± 50 ml/h or ± 1%
UF rate: 0 to 4 l/h

Blood leakage detection
Method: Infrared light

Disinfection and cleaning
Automated disinfection process with Gambro water treatment systems
Chemical: Peracetic acid, hypochlorite or formaldehyde
Heat: Heat, liquid citric acid or CleanCart

Power supply
Mains voltage: 100, 110, 230V
Frequency: 50 to 60 Hz
Power consumption:
Max 2025 W at 230V

Connection of external equipment
Connector: 25 pin D-sub with
RS232C or RS-422/current loop

Dimensions and weight
Width: Machine 480 mm,
stand 580 mm
Depth: Machine 600 mm,
stand 625 mm
Height: 1270 mm
Weight: 62-78 kg (depending on options)

Operating environment
Ambient temperature: 18 to 35 °C
Relative humidity: 15 to 85%
Air pressure: 70 to 106 kPa (0.7 to 1.06 bar)

Safety
The AK 95 S complies with the following standards:
IEC 60601-1 General requirements for safety, Class 1, type B
IEC 60601-1-1 Safety requirements for medical electrical systems
IEC 60601-1-2 Electromagnetic compatibility
IEC 60601-2-16 Requirements for safety of hemodialysis equipment
IEC60601-2-30 Particular requirements for the safety of automatic cycling indirect bloood pressure monitoring equipment

CE 0086 This product is CE-marked in accordance with the requirements in EC Council Directive 93/42/EEC of 14 June, 1993, concerning medical devices

Specifications subject to change without notice. For further information and operating instructions, please refer to the operators manual.

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