AK 95 S
The benefits of experience?
A perfect fit
“I’ve been treating dialysis patients for over twenty years, and my patients trust me to give them the benefit of my experience. I expect the same from my dialysis machine suppliers.”
How Gambro fits into the bigger picture

Landmarks in dialysis treatment

For centuries, medical science was unable to offer any effective treatment for kidney failure. Given measures were supportive, but also aimed to relieve the pressure on the body to provide a chance for kidney function to be restored. It took until the mid-1940s to develop the first crude dialysis system, and hemodialysis for chronic kidney failure was introduced in 1960.

Professor Nils Alwall, dialysis pioneer and initiator of Gambro, saw his vision of a sterile single-use dialyzer realized in 1965, when Gambro launched the pioneering Ad Modum Alwall. Since that day, Gambro has continued to provide innovative solutions to facilitate life for dialysis patients all over the world.

The future of dialysis

Dialysis is a triumph of dedication and technology that makes life possible for countless people who cannot battle a failing kidney alone.

Dialysis researchers continue to refine the machinery and procedures, and to debate what constitutes ideal treatments.

Gambro continues to stay at the forefront of the development of advanced therapies. With our long experience, we are well prepared to meet future needs and challenges in the field of dialysis.
1944
The first crude dialyzer for hemodialysis was realized.

1964
Industrialist Holger Crafoord founded Gambro.

1967
Gambro began mass production of single-use dialyzers and dialysis machines.

1977
Introduction of the AK 10—the first dialysis machine controlled by microprocessors. Its modular, compact design was appreciated worldwide.

1987
The first dry bicarbonate cartridge, BiCart®, was invented. One key aspect of its success is that it eliminates the risk of bacterial growth in concentrate.

1989
Launch of the AK 90 S. A technological step based on the philosophy of the AK 10.

1996
The AK 95, a compact and competent dialysis machine, was introduced.

2001
Introduction of the AK 95 S, with further enhanced features.

History

1944
The first crude dialyzer for hemodialysis was realized.

1960s
The first kidney dialysis centers. The need for dialysis exceeded by far available resources, so only a fraction could be treated.

1970s
Providing care to patients in their communities became possible. The number of dialysis patients increased rapidly.

1980s – present
With the increasing prevalence of diabetes and hypertension, the number of patients needing dialysis continues to grow.
Always a perfect fit

When space is at a premium

Only 48 cm wide and 127 cm high, the AK 95 S is a smart solution when utilization of space is of importance. In a crowded unit, a compact machine can make all the difference. With its low weight of 62 kg, the AK 95 S is also easy to move, which facilitates daily work. Additionally, this slim machine will give the clinic a more spacious feeling.

When space is limited, it is wise to choose space-saving products. The AK 95 S is part of a complete system of compact, hygienic products.
Always a perfect fit

Designed to fit into any location

Its capacity and simplicity make the AK 95 S an attractive alternative for hemodialysis for the majority of patients, regardless of location. Nurses and patients alike will find it easy to use. Most operating functions can be automated or preset to facilitate secure handling.

Flexible, multilingual training material is provided for staff and patients to ensure safety and confidence of use. And to further guarantee confidence in its function, our technical service network supports customers in all locations, including in-center units, satellites and home installations.

To facilitate data collection and treatment monitoring between remote locations and the in-center unit, a modern data management tool is available. The system allows data to be easily transferred, stored and analyzed—wherever the treatment is performed.
Always a perfect fit

Designed to fit demanding budgets

The AK 95 S is a robust workhorse for hemodialysis; it is reliable, persistent and easy to maintain. It was developed, and has been fine-tuned, with the latest dialysis technology for HD treatments.

The AK 95 S is equipped with all the features necessary for hemodialysis.

The consistent, logical user interface makes it easy to learn and operate. The one button–one function concept makes it easy to monitor and modify any parameter.

One cost and time-saving feature is the integrated heat disinfection capability. Having programmable disinfection procedures built into the machine gives dialysis nurses more time for other important duties.
BiCart® 720g
Natural sodium bicarbonate (NaHCO₃, Ph. Eur., USP)

Sodium bicarbonate for preparation of dialysis fluid
Bicarbonate de sodium pour la préparation de solutions pour dialyse
Bicarbonato di sodio per la preparazione del liquido di dialisi
Bicarbonato sódico para la preparación del líquido de dialisis
Bicarbonato de Sódio para preparação do fluido de dialise
Natrium-bicarbonat für die Bereitung von Dialysatsaft
Natrom bicarbonataat voor de bereiding van dialysaat
Bicarbonato de sodio para la preparación del líquido de dialisis

Caution: Federal law (USA) restricts this device to sale by
the order of a physician. Proper composition of the
dialysis fluid must be confirmed prior to dialysis. Australian
Gambro Pty Ltd. 3 Hudson Ave., Castle Hill, NSW 2154.

Always a perfect fit

Designed to fit Gambro’s complete HD line

The AK 95 S is part of Gambro’s complete HD line, so it draws many advantages from our many years of experience of dialysis. The AK 95 S was developed to fit into Gambro’s efficient, reliable system for water purification and fluid quality (including the U 8000 S ultrafilter), as well as our complete line of dialyzers, dry concentrates and bloodlines.

It all started 40 years ago. Since then, Gambro has continuously been taking small but critical steps to improve dialysis treatments and machines. With experience comes knowledge, and with knowledge comes perfection. The AK 95 S is a perfect fit for HD treatments, in all locations.
Always a perfect fit

Fitting all technical requirements

**Automated functions**
- Automatic self-test
- Auto-priming
- Pre-settable treatment parameters
- Rinse-back

**Preservation of fluid quality**
- Automatic disinfection
- Pre-settable for different disinfectants
- Chemical: Peracetic acid, hypochlorite or formaldehyde
- Heat: Heat, liquid citric acid or CleanCart
- Chemical disinfection memory
- Ultrafilter U 8000 S

**Treatment variables**
- HD treatments with single or double needle
- Blood flow rate up to 500 ml/min
- Adjustable flow of the dialysis fluid
- Profiling (sodium bicarbonate UF)
- Heparin administration
  - flow rate: 0 to 10 ml/h

**Options**
- Remote Operator’s Panel
- Blood Pressure Monitoring
- Battery Back-up Kit
  - (30 minutes)
- Ultrafiltered Dialysis Fluid (UFD)
- pH Probe

**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

These specifications are subject to change without notice. For further information and operating instructions, please refer to the Operator’s Manual.