



Room for improving
dialysis treatment?

AK 200 S
AK 200 ULTRA S

A better way to better care

 **GAMBRO®**



**Designed to
make a difference**

The AK 200 series – state-of-the-art solutions for improving dialysis treatment

As a global leader in dialysis, Gambro is committed to making a difference in dialysis treatment. Our company has a proud history of both challenging the technological limits and creating innovative solutions that improve dialysis care every day.

This means being continuously aware of the many challenges that dialysis clinics face both on a daily basis and in the future.

Identifying these challenges and integrating them into our product design is our ongoing commitment for improving solutions for everyone involved in dialysis care. And when we designed the AK 200 series we made no exception.

We have created two innovative high-performance dialysis machines, making sure the AK 200 series will continue to make a difference where it really counts – with patients, nurses, doctors and healthcare administrators.

Together with healthcare professionals, we share a common goal of providing patients with the best possible care. The AK 200 series offers several benefits to the patients such as comfortable, secure treatment with optimal treatment outcome.





Are you giving your patients the best possible treatment?

Each patient is different but all patients deserve the best possible treatment according to their specific needs. The AK 200 series meet these needs, providing attention to detail through unique innovations, making it easier for you to provide the best possible treatment for your patients every time.

Versatility – all available treatment methods in one machine

ULTRA Therapies™ by Gambro combined with the AK 200 ULTRA™ S machine is the easiest and most gentle treatment available for your patients. With the option of hemodialysis, hemodiafiltration pre- or postdilution and hemofiltration, you can choose the method of treatment that suits the patient best.

Improved quality of life for patients – thanks to ULTRA Therapies™

The AK 200 ULTRA S machine provides unique high volume predilution treatment modalities and its safe three-barrier filtration concept ensures optimal fluid quality throughout any treatment. And thanks to our hygienic chain concept (BiCart Select® system, Water Treatments, Ultra™ filters), the quality of the dialysis fluid is under control. Changing from standard dialysis to hemodiafiltration means more effective blood filtration. Clearance of β_2 -microglobulin and other uremic middle molecule solutes is enhanced. Phosphate removal is improved. All in all, ULTRA therapies mean better treatment outcomes and better treatment tolerance.

Optimized replacement volume – thanks to ULTRA^{CONTROL}

Historically, preventing TMP alarms toward the end of treatment required you to set the infusion volume below the optimal level. With the AK 200 ULTRA S it is easier to optimize fluid exchange in convective treatments, since TMP can be used to control the dialyzer's ultrafiltration rate in pressure control mode. To run hemodiafiltration or hemofiltration, the TMP is set automatically and the total ultrafiltration rate is optimized throughout the treatment – independent of changes in blood composition. You always have the option of running the treatment in conventional mode.

Easy customization – thanks to BiCart Select®

With the BiCart Select® system, the dialysis fluid composition can be easily customized to suit your patients' different needs thanks to a number of SelectBag® formulae that can be stored in the system. And you can control both bicarbonate and sodium profiles without affecting the delivery of minor electrolytes. Thanks to SelectCart® cartridge, you can even prime the blood circuit with pure saline at physiological levels (On-line Saline Priming – OSP).

Control and accuracy – thanks to Diascan®

Imagine monitoring ionic clearance on a real-time basis, and being able to check Kt/V during any treatment, by session, as well as being consistent in the Kt/V measurements month after month. That's the benefit you get from Diascan®. At any given time you know that the prescription has been properly delivered to your patients, so that you can react and adjust the treatment as needed.

Prevention of hypotension – thanks to BVS

With the integrated Blood Volume Sensor – BVS – you can quickly see any change in the patient's blood volume, making it easy to identify hypovolemia, leading to possible hypotension. You can also get information to optimize the dry weight. The BVS is an invaluable tool to help you optimize the treatment for every patient.

Benefits

- Better treatment tolerance
- Less risk of micro inflammation
- Increased cardiovascular stability
- Easier to operate and fewer alarms



Are you spending your time with machines or patients?

Easy solutions equal more patient time

The AK 200 Series is designed to ease nurses' everyday working situation. Every component in each of the machines is designed for convenient operation, stress-free information access and hassle-free adjustment of height. In the end, attention to details from a nurse's perspective equals more patient time.

Ergonomic design

Most AK 200 ULTRA S functions are automated, making the machine easy to use and monitor. You simply press a button to select a treatment mode. Recurrent treatment modes and standard parameters can be pre-set to simplify handling and minimize preparation time. The one button – one function concept gives you immediate access to a function and an immediate global view. You can effortlessly change the height with the remote control. And thanks to the BiCart Select system, the dialysis concentrates are easily and quickly installed. No more carrying, mixing, and refilling of heavy concentrate canisters!

Time and cost savings through on-line priming and bolus

The ULTRA SteriSet® system allows you to prime the extra corporal circuit and perform the fluid bolus and blood rinse back procedures with online infusion fluid, eliminating the hassle and costs of saline bags.

User-friendly features

Every important function on each of the machines is easily and quickly selected using a clearly assigned overview screen. All treatment parameters are displayed on the bright TFT color screen, which is clear and easy to read from almost any angle, even at a distance.

Exceptionally safe and user-friendly features are also provided:

- Desired electrolyte values can be selected and input directly in mmol/L
- Concentrate stand-by mode
- Automatic calculation of V using Watsons Formulae
- ULTRACONTROL (automated setup of the TMP in Pressure Control Mode)
- Online-priming
- The effective blood flow rate that is displayed corresponds to the prescribed rate.

Automatic Blood Pressure Monitoring

The BPM is integrated with the monitor, so it is easy to check your patient's blood pressure. Automatic measurement intervals can be defined; and you can use the cursor to select measurement points and instantly check the values – during pre-treatment, the session or post-treatment.

Easy efficient cleaning – with the heat disinfection concept

The CleanCart concept makes it possible to combine heat disinfection with decalcification or cleaning in a simple and safe way. Simply insert the CleanCart cartridge into the holder and choose one of the heat disinfection programs. Let the AK system do the rest of the work! On the disinfection history screen, you can easily see when and which type of disinfection was last performed.

No more messy, leaky or fuming chemical containers to carry. The CleanCart cartridge saves you time, storage space and money. The disinfection processes are programmable, and can if desired start automatically, before staff arrive in the morning.

Less lifting – with the BiCart Select® concentrate

No more mixing, filling, carrying and spilling of heavy concentrate canisters. The BiCart Select product is smaller and lighter than conventional concentrate products. The fully enclosed BiCart Select system ensures that fluids maintain the highest possible quality. Dialysis concentrates are easily and quickly installed on the dialysis machine

Benefits

- Additional time to focus on patient care
- Reduces stress and worry
- Simple and effective cleansing
- Reduces physical workload



Are you getting the most for your money?

With more than 40 years of experience in our field, Gambro possesses profound knowledge and understanding of the needs of both patients and healthcare providers.

A safe investment in proven technology

We offer innovative technology based on a proven platform with no surprises when it comes to budgets and extra costs. The AK 200 series has remained stable over the years and will continue to provide great value on the future frontlines of renal care.

The AK 200 series dialysis machines are designed to work intelligently with healthcare professionals to provide the best dialysis care possible – including the most advanced forms of dialysis treatment. Thanks to a variety of innovative features, each of the machines deliver treatment safely, reliably and comfortably.

Efficient and cost-optimized treatments

Automated functions, Diascan®, BVS, BPM, and programmed disinfection routines reduce preparation and set-up time, leaving more free time to spend with patients. By increasing the effectiveness of care, the quality of care given to the patient can be improved – an important benefit given the realities of modern healthcare. Standard features like Gambro's dry concentrate solution, BiCart Select, saves storage space (80% reduction in volume vs liquid), and allows for more individualized treatment.

Benefits

- A safe investment in proven technology
- Increased clinic and treatment efficiency
- Monitors the Kt/V at no extra cost
- Reduces storage and waste



Could your clinic run a bit smoother?

Gambro offers a range of services designed to optimize the performance of the AK 200 series – and the people who work with the machines – in dialysis clinics, hospital wards and intensive care units.

Technical services

For instance, we offer a large range of technical support services with the AK 200 series.

- Telephone support
- On-demand maintenance and repairs
- Tailor made service contracts specified according to your needs
- Quick and reliable spare parts delivery – wherever you are

Routine services couldn't be easier

Routine service can be performed on either machine without opening the unit – calibration, customization, function tests and troubleshooting are performed from the operator's panel or on a PC. When the machine needs to be opened, the interior is designed to make components easily accessible. And thanks to the plug-and-play transducers, any repair work can be done much faster.

Gambro Education Services

We believe that education plays a pivotal role in providing high quality care. This is why we are proud to offer our educational services aimed at nurses and other healthcare professionals. We have worked closely with nurses, leading scientists and nephrologists to create Gambro Education Services – an attractive offering of courses that help you get the maximum benefit out of your AK 200 series.

The Gambro Education Services are endorsed by EDTNA and comprise three packages:

- Basic Dialysis
- Advanced Dialysis
- Tailor made Courses

Benefits

- A large range of technical support services
- Educational services for your clinical needs
- Global presence from a market leader

For more information please contact your local Gambro representative.





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