

Baxter

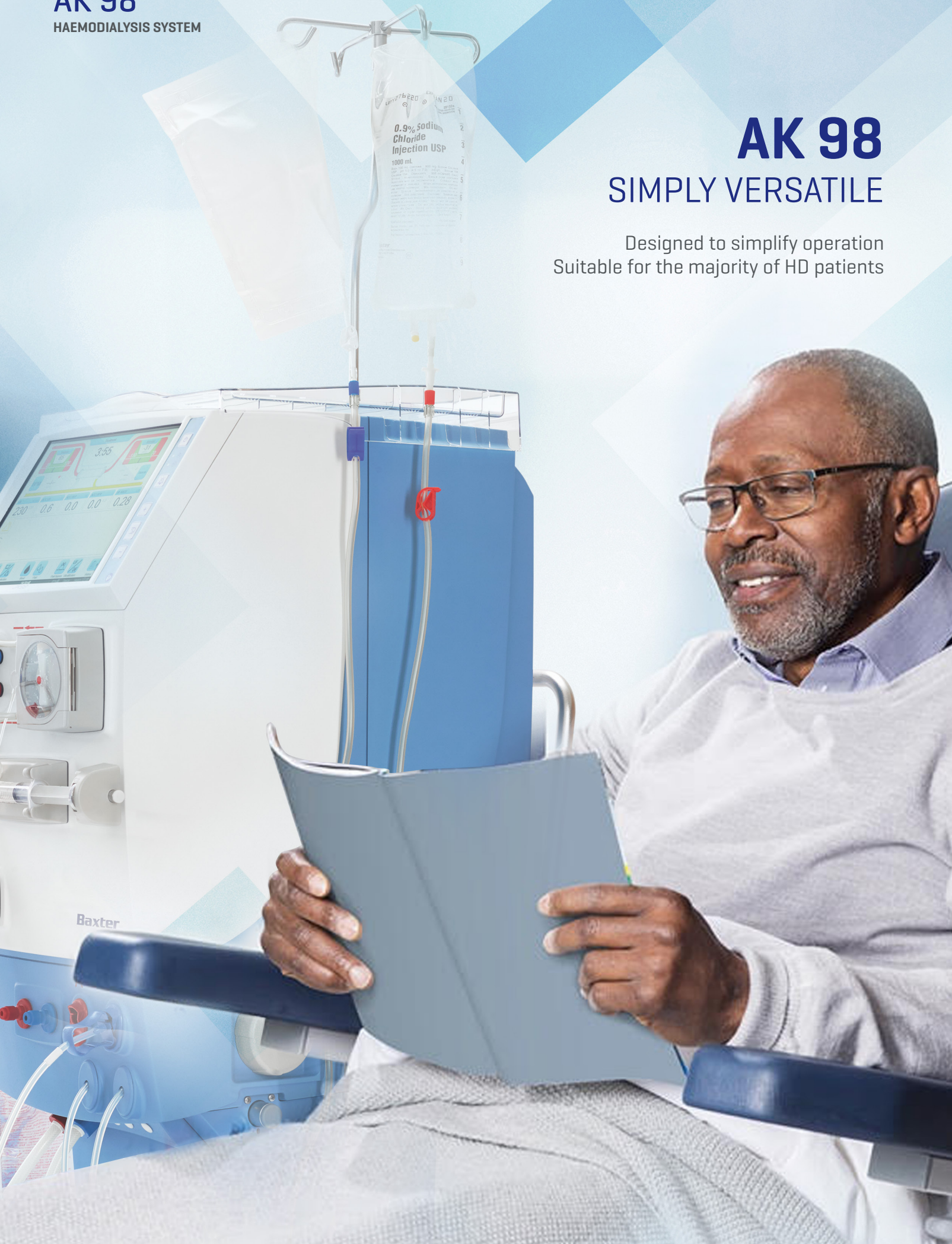
AK 98

HAEMODIALYSIS SYSTEM

AK 98

SIMPLY VERSATILE

Designed to simplify operation
Suitable for the majority of HD patients



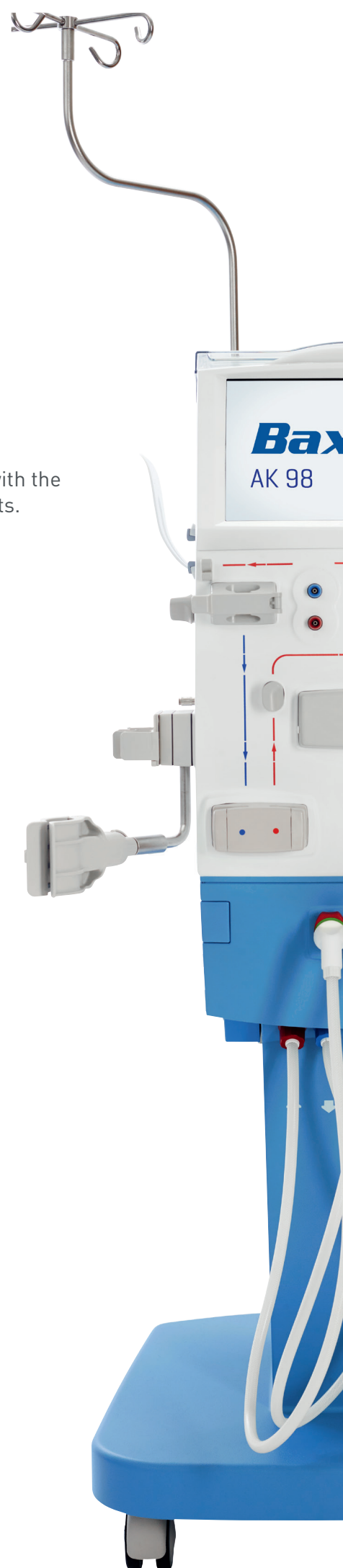
In today's complex and demanding healthcare environment, clinicians are striving to find affordable ways to achieve quality HD standards with efficient treatments.

A critical requirement is a simple-to-operate HD device that may provide you with the capabilities to effectively meet the needs of the vast majority of your HD patients.

SIMPLY VERSATILE

The **AK 98** system is simply designed to provide you with the versatility to treat the needs of your renal patient group in a range of treatment settings, while controlling operational costs and improving clinical workflow.

Building upon 20-plus years of renal expertise, the **AK 98** system aims to help clinicians meet the evolving needs of their HD patients to maximise therapy delivery and the quality of patient care now and in the future through enhanced simplicity and versatility.





SIMPLE

Inspired by user needs, the **AK 98** is purposefully designed to simplify operation and minimise nursing stress – from treatment setup to monitoring and disinfection.¹

- ✓ Prescription download with IT bidirectional connectivity
- ✓ Intuitive user touchscreen
- ✓ Measurement of Kt/V with **Diascan** monitoring system
- ✓ Short time between treatment, 5 mins + function check
- ✓ Smart Alarms for nurse prioritization with 360 degrees visibility
- ✓ Treatment, Alarm and disinfection history
- ✓ Self clearing Arterial/ Venous alarms
- ✓ Complete Baxter portfolio available for the AK 98 platform
- ✓ Battery back-up time 30 min
- ✓ Validated concentrate supply methodology

VERSATILE

The versatility of the **AK 98** System makes it suitable for the majority of HD patients, including those requiring HDF performance with TheraNova in the removal of large middle molecules (25 kDa to <60 kDa); adults and patients upwards of 25 kg; short daily or nocturnal dialysis.¹

- ✓ IT bidirectional connectivity with data encryption
- ✓ Cloud based one way communication
- ✓ Black box data mining
- ✓ Varied disinfection cycles to meet clinic needs
- ✓ Pre-configuration options/ presets available (start-up values, limits)
- ✓ Concentrate Stand-by mode
- ✓ Patient disconnection available during treatment
- ✓ Battery Back up time 30 mins
- ✓ Remote panel (optional)

SIMPLE



IT CONNECTIVITY FOR SIMPLE WORKFLOWS AND DATA HANDLING¹

Connectivity between the **AK 98** system and your central IT network allows seamless management of clinic and patient information. Staff can effortlessly access patient data and may reduce the time traditionally spent manually handling documents may reduce the risk of human errors¹



INTUITIVE TOUCHSCREEN FOR SIMPLE DIALYSIS MONITORING

Designed to be easy-to-use for a wide range of operators – from the novice patient to skilled practitioners, the advanced touch screen uses fewer button pushes to simplify treatment set-up. It provides easy visibility of treatment parameters with operator messages helping to guide the decision-making process



SIMPLE TREATMENT MONITORING WITH DIASCAN MAY IMPROVE OUTCOMES^{2,3,4}

To support the achievement of clinic targets and national guidelines, the **AK 98** incorporates the Diascan on-line monitoring system – a real time measurement of treatment delivery that proactively alerts the user if the prescription target will not be reached.



SIMPLE PREPARATION AND DISINFECTION FOR DECREASED TIME BETWEEN TREATMENTS

For the busiest clinics, only a 5-minute decalcification cycle¹ + function check is required, enabling short time between treatments and few button pushes. Short heat disinfection cycles (25 mins plus function check*) with citric acid to ensure system integrity is not compromised¹



SIMPLE PROGRAMMING FOR STRAIGHTFORWARD PRESCRIPTION MANAGEMENT

Common clinical settings can be pre-set to limit the number of parameters that need to be programmed for each patient



SIMPLE ALARM HANDLING FOR CLEAR PRIORITISATION

Centrally positioned external alarm provides visible indicators for simple session monitoring and timely intervention

*Dependant on voltage

1. AK 98 Operators Manual HC12839001
2. Held PJ, Port FK, Wolfe RA, Stannard DC et al. The dose of hemodialysis and patient mortality. *Kidney Int* 1996; 50:550-556.
3. McIntyre CW, et al. Assessment of haemodialysis adequacy by ionic dialysance: intra-patient variability of delivered treatment. *Nephrol Dial Transplant*. 2003;18:559-562.
4. Mercadal L, et al. Ionic dialysance: Principle and review of its clinical relevance for quantification of hemodialysis efficiency. *Hemodial Int*. 2005;9:111-119.
5. Baxter data on file. R. Nystrand. Water system information document 130501 Gambro ver short.pdf Water Systems for Production of Water for Dilution of Haemodialysis Concentrates: Long time follow-up of Microbiological Quality in Gambro CWP 100 WRO H Systems Microbiologist, Bio-TeQ Nystrand Consulting, 2011.
6. Baxter data on file. R. Nystrand Water system total heat disinfection 130502 Gambro ver short.pdf Water Systems for Production of Water for Dilution of Haemodialysis Concentrates: Long time follow-up of Microbiological Quality in Gambro CWP 100 WRO ROHH Systems with total heat disinfection, Bio-TeQ Nystrand Consulting, 2011.

VERSATILE



VERSATILE IN ANY TREATMENT SETTING

Small, easy-to-manoeuvre and intuitive, the **AK 98** system is the system of choice for hospital, self-care and home settings. The **AK 98** comes with a selection of full support options including technical & clinical support and full product portfolio



VERSATILE TREATMENT OPTIONS

Suitable for the majority of HD patients, the **AK 98** system offers personalised therapy with flexible dialysis fluid and blood flow rates and multiple configurable pre-sets and retrieval of patient prescriptions.¹ It enables individualisation through Diascan, supports sodium and bicarbonate profiling and isolated UF and allows access to all concentrate delivery choices including citrate



VERSATILE HYGIENIC CHAIN CONCEPT

Maintaining fluid purity requires the versatility to take care of the entire chain of components and processes involved within HD – from tap to needle.⁵⁻¹³ We ensure this through our Hygienic Chain concept.



VERSATILE EXPANDED HD RETAINING HD SIMPLICITY

The **AK 98** system's versatility allows HDx therapy enabled by the TheraNova* dialyzer, providing expanded HD whilst retaining HD simplicity in the removal of large middle molecules (25 kDa to <60 kDa)



BLACK BOX DATA MINING

Black Box Data Mining (BBDM) is a versatile tool for data analysis which allows the generation of various reports from the device to help identify issues and provide a real understanding of what is needed to resolve concerns or optimise therapy and workflow



HD CLOUD

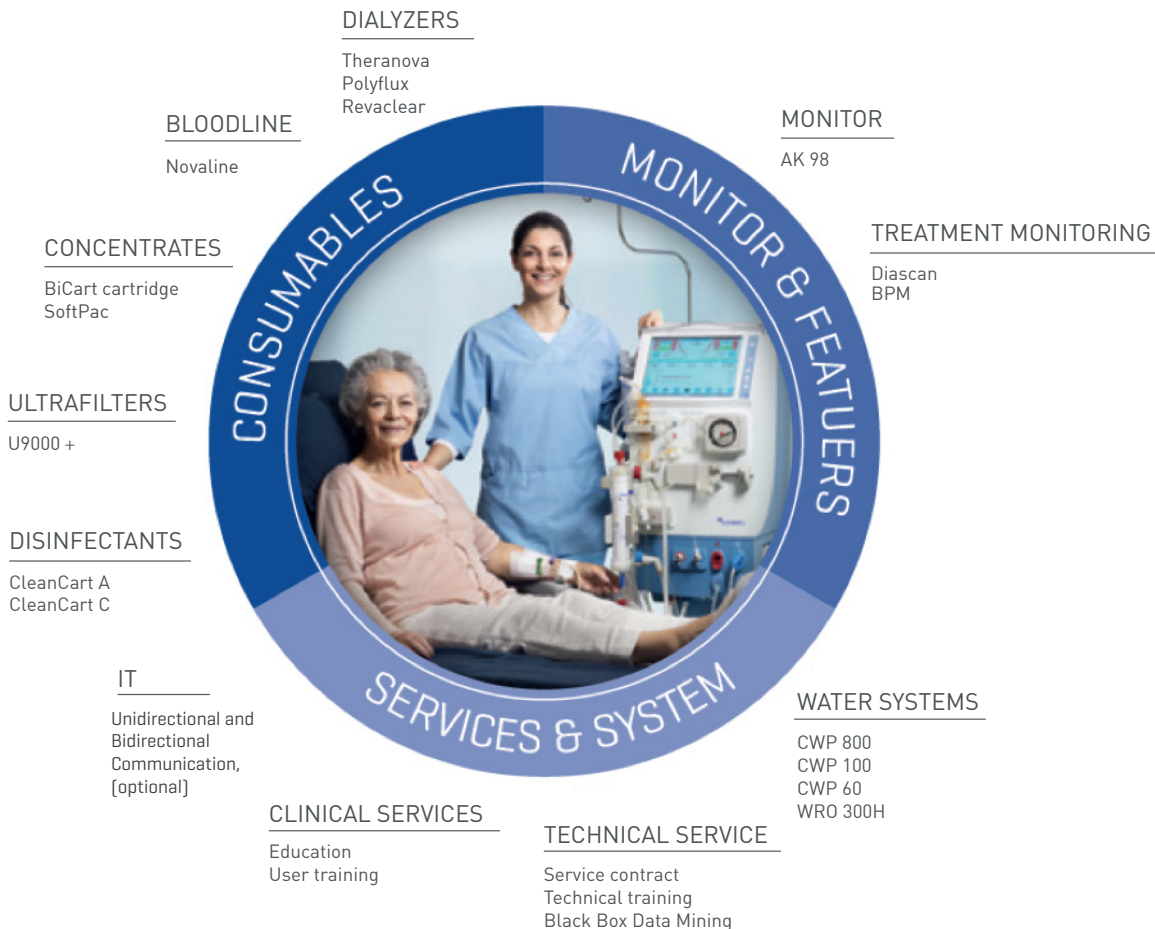
The HD Cloud provides a secure backup of patients' treatment history data. It offers IT versatility as the HD Cloud can seamlessly integrate with all EMR systems, alleviating the IT burden on clinics. If a clinic's EMR system goes down, treatment data will still buffer in the HD Cloud. This allows clinics to continue to run uninterrupted as IT issues are being resolved.

*Do not use TheraNova dialyzers for HDF or HF

7. European Renal Association, A. Ragon et al. Microbiological evaluation of the efficiency of hot RO water only used to disinfect hemodialysis water distribution loop in operation for 5 years, EDTA[1].pdf. Clin Kidney J 2011, 4, Suppl 2 Abstracts of the ERA-EDTA Prague.
8. Susantitaphong P, et al. Effect of ultrapure dialysate on markers of inflammation, oxidative stress, nutrition and anemia parameters: a meta-analysis. Nephrol Dial Transplant. 2013; 28:438–446.
9. Glorieux G, Neiryck N, Veys N, Vanholder R. Dialysis water and fluid purity: more than endotoxin. Nephrol Dial Transplant 2012;27:4010-4021.
10. Lederer S. R., Schiffil, H. Ultrapure Dialysis fluid lowers the cardiovascular morbidity in patients on maintenance Hemodialysis by reducing continuous microinflammation. Nephron 2002 Jul;91(3):452-455.
11. Schiffil H, Lang SM, Stratakis D, Fischer R. Effects of ultrapure dialysis fluid on nutritional status and inflammatory parameters. Nephrol Dial Transplant 2001; 16:1863–1869.
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13. Bolasco P, Contu A, Meloni P, Vacca D, Murtas S. The evolution of technological strategies in the prevention of dialysis water pollution: Blood Purif. 2012;34:238-245.

YOUR TOTAL SOLUTION

When combined with the extended Baxter HD offering, the **AK 98** system has the versatility to simply and effectively meet the clinical needs of the majority of your HD patients. Supported by Baxter's Technical, Clinical and Educational services the **AK 98** can be seamlessly introduced and maintained within your programme.



YOUR TRUSTED PARTNER IN RENAL CARE

Committed to saving and sustaining lives.

Baxter is committed to continual innovation of products and services to help ensure every customer can provide the most effective treatment delivery and haemodialysis program. The **AK 98** system builds on this commitment, with integrated features that give you the versatility to allow you to simply treat the majority of your haemodialysis patients.

For safe and proper use of products mentioned herein, refer to the operator manual

Any medical device product quality complaints (including medical device adverse incidents) relating to Baxter products can be reported directly to the Baxter Country Quality Assurance Team:

In the UK on +44 (0)1604 704603, or by email to UK_SHS_QA_Complaints@baxter.com.
In Ireland on +353 (0)1 2065500 or by email to shs_complaints_dublin@baxter.com.

Alternatively please report directly to your Baxter Representative, who will take the details and forward to the Baxter Country Quality Assurance Team.

Medical device adverse incidents should also be reported:

In the UK to the MHRA. Reporting forms and information can be found at: www.mhra.gov.uk/safetyinformation/reportingsafetyproblems/index.htm. In Ireland to the HPRA. Reporting forms and information can be found at: <http://www.hpra.ie/homepage/about-us/report-an-issue>.

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