

Aquaboss®

Dialysis water purification



B | BRAUN
SHARING EXPERTISE

Your Complete Hemodialysis System Provider

B. Braun

Dialog+
Hemodialysis
machine system

Adimea
Real-time Kt/V
monitoring

Streamline
Airless bloodline
system

Diacap
High quality
dialyzer

SolCart
Bic cartridge
machine option

Aquaboss®

Modular, compact,
expandable RO system

Double Stage
RO system

Automatic impulse
back washing

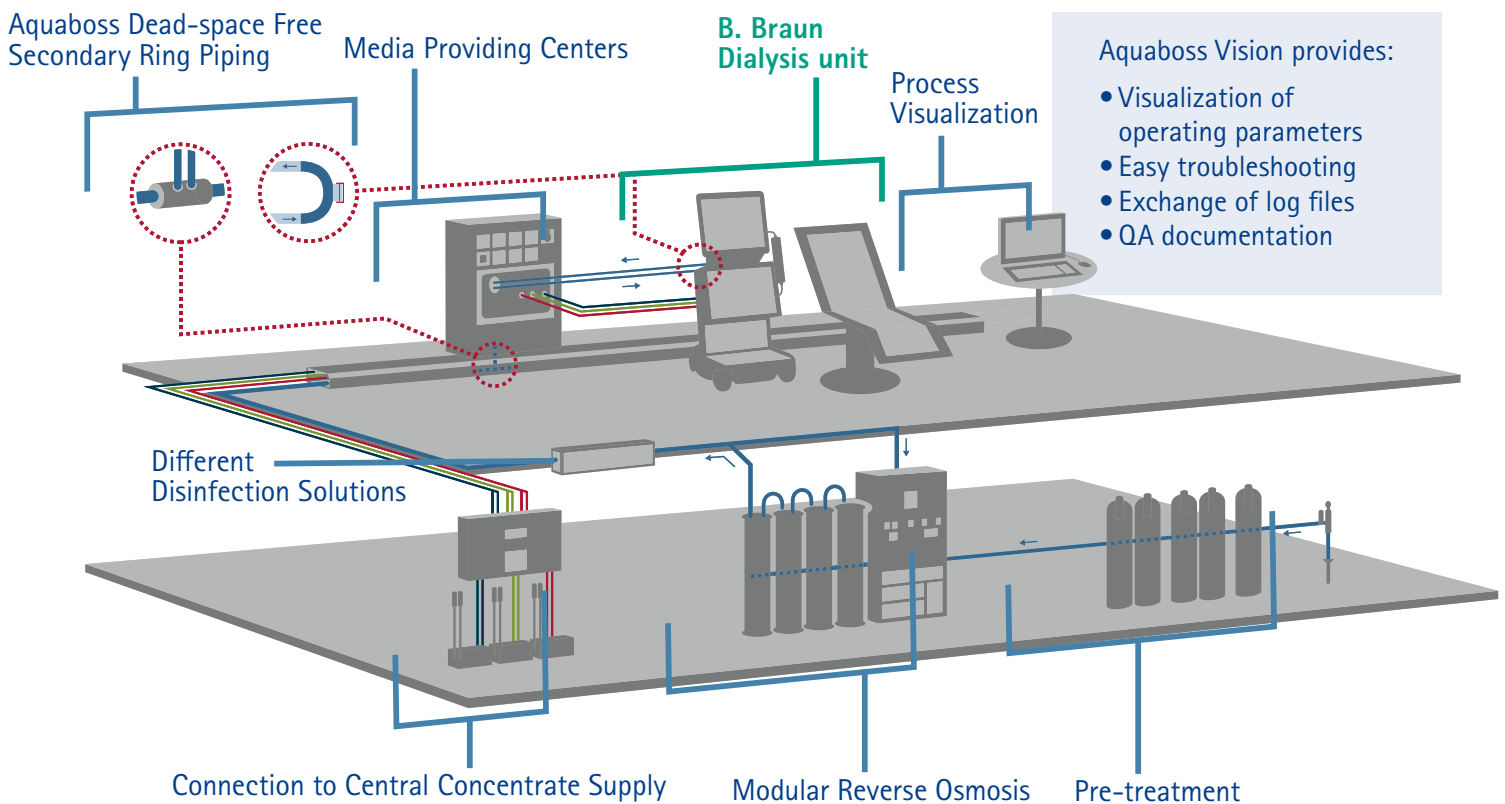
Totally automated
heat disinfection

Unique dead-space free
design

Aquaboss Vision
Online Monitoring System

One Source

Dialysis Equipment
Water Treatment Systems
Technical Service
Clinical Support



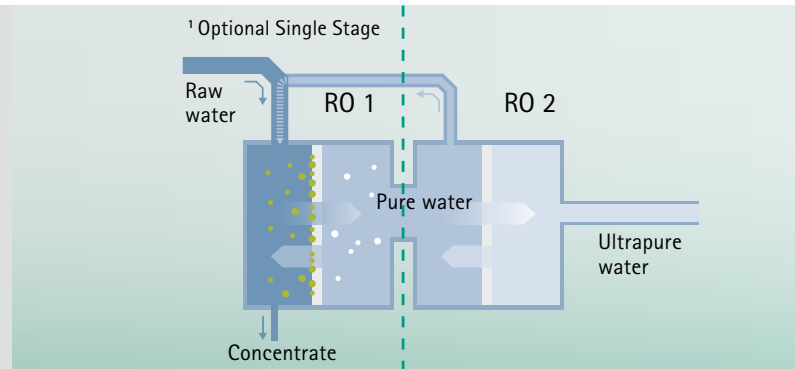
Individual System Solution

Innovation and Highest Water Quality

Double Stage RO System¹

Two RO stages in one water treatment system.

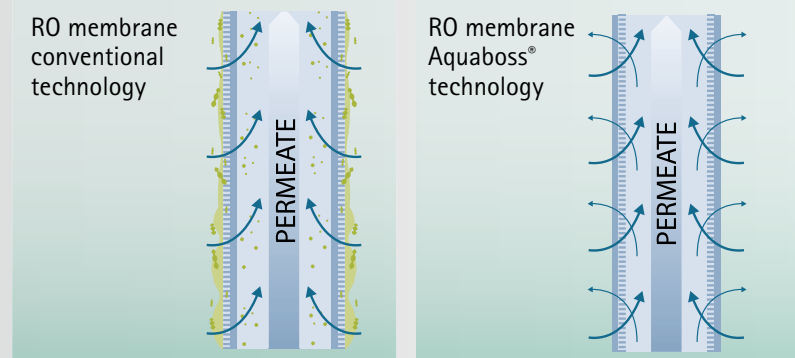
- Increased chemical and microbiological permeate quality with two separate in-line RO filter stages. Closer to ultrapure fluid than ever before.



Impulse back washing function

Innovative flow technology reduces deposits on the RO membrane.

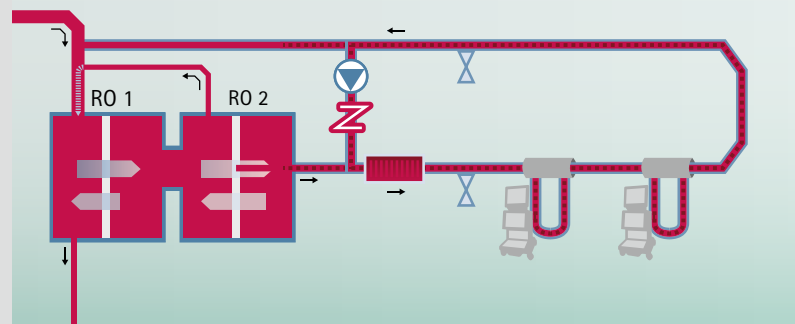
- Less bacterial growth on membranes
- Less chemical residuals (in the event that chemicals are used)



Total heat disinfection (Hot Rinse Smart)

Heat on demand disinfection of distribution ring and RO.

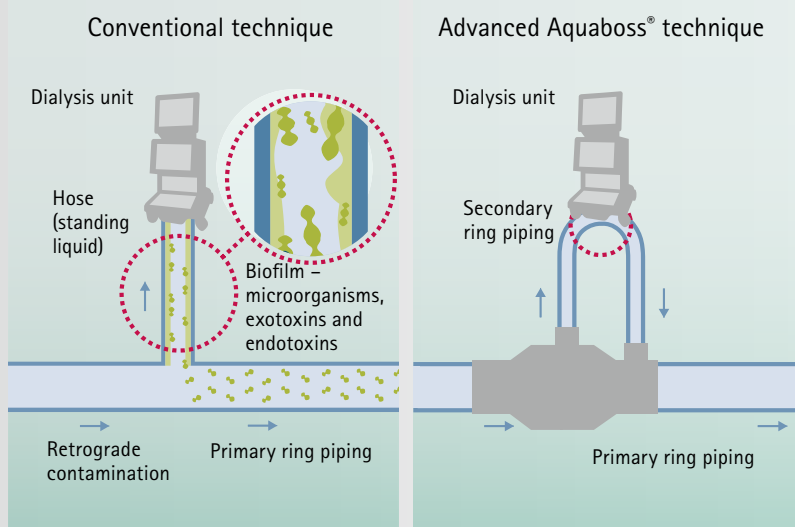
- End to end disinfection with Dialog⁺ hemodialysis system.
- No chemical use under routine conditions.
- No hot water storage tank.



Dead-space free system design

Complete and continuous flow throughout the entire water treatment system (RO and distribution ring).

- Innovative membrane housing and stainless steel design eliminates dead spaces that trigger the proliferation of biofilm contamination.
- The secondary ring replaces dead-space single hose connection to machines where bacteria growth is common. Pressure differential bulbs guarantee constant flows.



Cost-effectiveness

- Maximum water savings as second stage concentrate is recirculated.
- Full redundancy of two stages eliminates the need for back-up systems.
- Modular RO configuration in capacity and features to meet individual needs.

- Automatic function
- Stable permeate production capacity – reduced membrane blocking.
- Less RO cleaning required
- Longer membrane lifetime

- Fully automated disinfection procedure
- No testing for residual chemicals
- Efficient on demand heat technology

- Less effort cleaning and disinfecting the complete water treatment system.

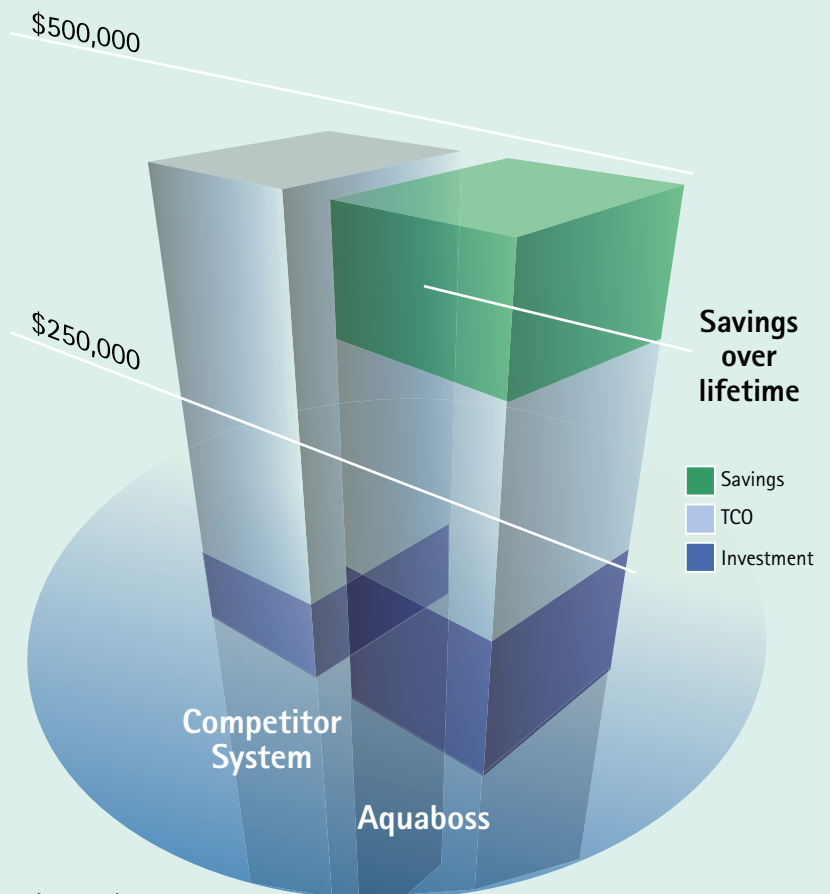
Efficient Total Cost of Ownership (TCO)

Aquaboss® RO devices are manufactured from stainless steel, are extremely reliable and have a long life cycle.

Aquaboss Technology Solutions reduce utility costs for water and energy consumption and optimize service and maintenance procedures.

Total Cost of Ownership over a system lifetime generates real savings on investment in a state of the art water treatment system.

- potential for more than 30% water savings
- energy savings
- significant savings in disinfection and cleaning



Assumptions:

- 18 machines
- 11,232 treatments annually
- 10 year lifetime
- 12 heat disinfections annually
- \$0.009 per gallon water and sewer cost

New technology level designed to meet tomorrow's demands today.

- Stainless steel design
- Highest water quality
- Less water consumption
- Integrated back-up systems
- More efficient system disinfection procedures
- Energy savings through heat on demand disinfection
- Reduced/no chemical residuals
- Reliability and durability



Innovation and
highest water
quality
+
Cost effectiveness
and flexibility
=
Individual system
solution



The products are compliant with current AAMI standards (AAMI/ISO 23500:2011; AAMI/ISO 13959:2009).

Aquaboss®

differentiates itself from the competition through superior technology and many patented features. Today, Aquaboss® water purification systems are installed in more than 35 countries and is the first choice of many key opinion leading hospitals and providers.

B. Braun Medical is a knowledgeable and trusted partner, offering a full line of dialysis products and services. Together with the Aquaboss® portfolio, B. Braun strives to offer the best possible system solution by increasing the patients' quality of life and reducing the total cost of ownership.

Aquaboss® System Specifications

	Eco RO Dia I	Eco RO Dia II
RO stages	1	2
Number of RO pumps	2	3
Impulse back washing (Eco)	yes	yes
Hot Rinse Smart (HT)	optional	optional
Recovery rate	up to 78%	up to 85%
Permeate output, l/h (at 6°C)	700-3600	
Electrical supply, V/Hz	3~NPE 208V/60 Hz	
Max overall power intake, KW	4.9-14.8	
Width, mm	1390 - 2615	
Depth, mm	800	
Height, mm	1790 - 1805	
Weight, kg	515 - 1050	

For more information, contact a
B. Braun Avitum Division representative at
1-800-848-2066, or email us at
rtd.us@bbraun.com.

www.bbraunusa.com

B | BRAUN
SHARING EXPERTISE

Rx only. ©2013 B. Braun Medical Inc., Bethlehem PA, All rights reserved.
Aquaboss is a registered trademark of Lauer Membran Wassertechnik GmbH. Streamline is a
registered trademark of Medisystems Corporation, a NxStage Company.

AVT002_10/13_BB