

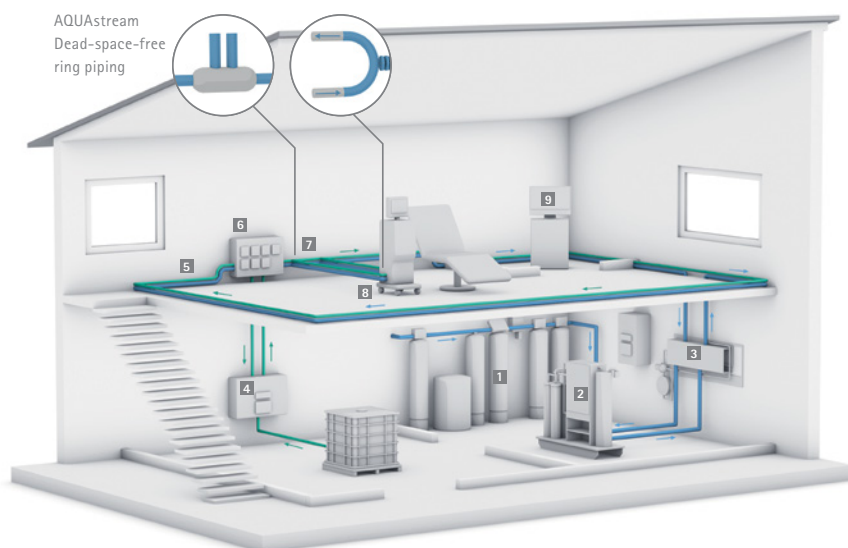


AQUABOSS®

WATER TREATMENT SYSTEM

Aquaboss®

BETTER DIALYSIS BEGINS WITH ULTRA PURE WATER

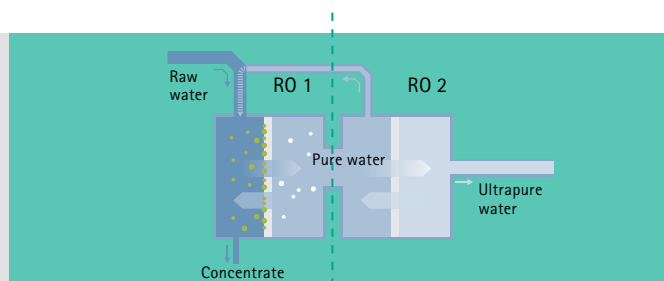


- 1 Pretreatment
- 2 AQUAboss/AQUAbase reverse osmosis device
- 3 Heat disinfection solutions
- 4 Central concentrate supply
- 5 Ring piping solutions
- 6 Media providing centers
- 7 Pressure differential bulb
- 8 Secondary ring piping
- 9 Process visualization

Double Stage RO System

Two RO stages in one water treatment system.

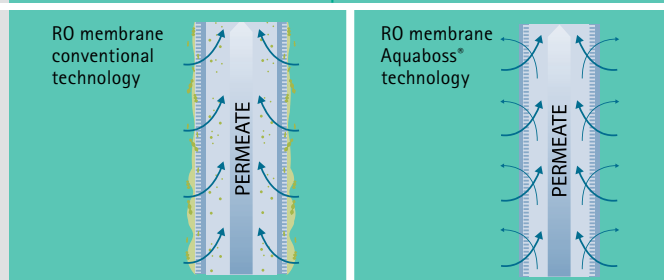
- Increased chemical and microbiological permeate quality with two separate in-line RO filter stages. Closer to ultrapure fluid than ever before.



Impulse back washing function

Innovative flow technology reduces deposits on the RO membrane.

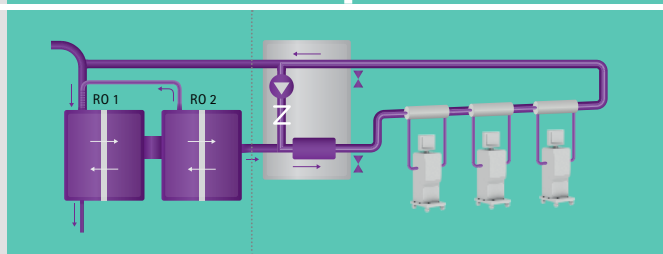
- Minimizes deposits on membranes.
- Helps maintain higher permeate quality and reduced water consumption.



Total heat disinfection (Hot Rinse Smart)

Heat on demand disinfection of distribution ring and RO.

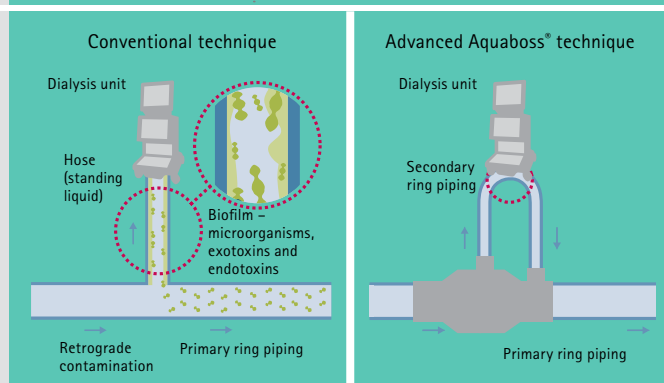
- End to end disinfection with Dialog+® hemodialysis system.
- No chemical use under routine conditions.
- No hot water storage tank.



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.



Aquaboss® Cost Savings

ENERGY SAVINGS + HIGH WATER RECOVER RATES UP TO 85%¹
(GEARED TO CONSUMPTION)

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.

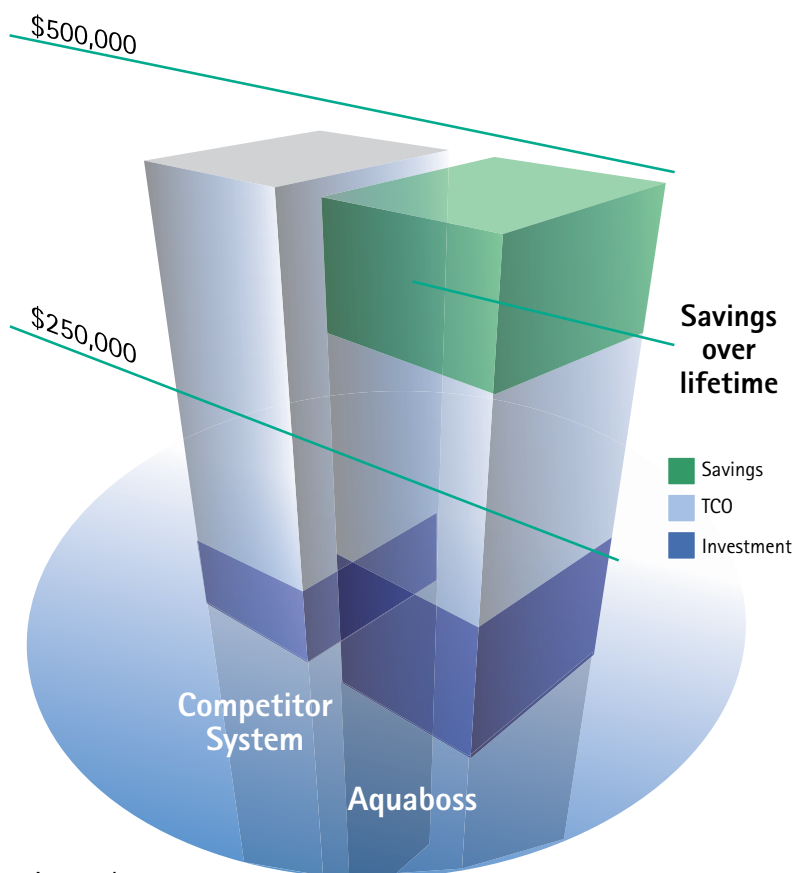
Efficient Total Cost of Ownership (TCO)

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 savings¹
- 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

¹ Data on file

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	

A better dialysis experience doesn't come in a box. It's built from better products, better support, and better partnerships.

For more information, contact a B. Braun Avitum Division representative at **1-800-848-2066**

bbraunusa.com/aquaboss

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