



ECOMix REVOLUTION

FOR EFFICIENT AND ACCURATE
MANUFACTURING OF ACID CONCENTRATES

ECOMix REVOLUTION

INNOVATION AT A GLANCE

SAFE AND EFFICIENT PROCESSES

- Connection of ECOCart with ECOMix Revolution and confirmation of concentrate type
- Fully automatic production
- Automatic control and release of concentrate via density measurement
- Decanting of concentrate into the correct ECOTank
- Disconnection of ECOCart and rinsing of ECOMix Revolution
- DensiCon technology enables control of concentrate composition via density measurement
- Considerate production with SoftPressure technology
- Complete process control via Re-Tec and documentation of all relevant production data

OVERALL ADVANTAGES FOR RENAL CARE CENTERS AND STAFF

- Protects the health of the nurses by reduced weight
- Less stock needed in the renal care center, due to powder cartridges
- Quick installation of the complete mixing system and storage tanks
- Easy adaption to existing Reverse Osmose and Central Concentrate Supply
- Online monitoring features allow controlled data transfer, proper function, technical service 24/7, consumption- and ordering-information services
- Broad range of concentrate formulations available, 1+44 and 1+34
- NEW: Citrate containing acid concentrates

ECONOMICAL ADVANTAGES

- Lower workload compared to in-house production from raw materials
- Low maintenance costs due to online services

PROTECTION OF ENVIRONMENT

- Reduction of weight for transport on the roads and in the clinics, compared to liquid ready-to-use concentrates
- Significant reduction of CO₂ emissions from trucks
- Reusable cartridges help to reduce waste

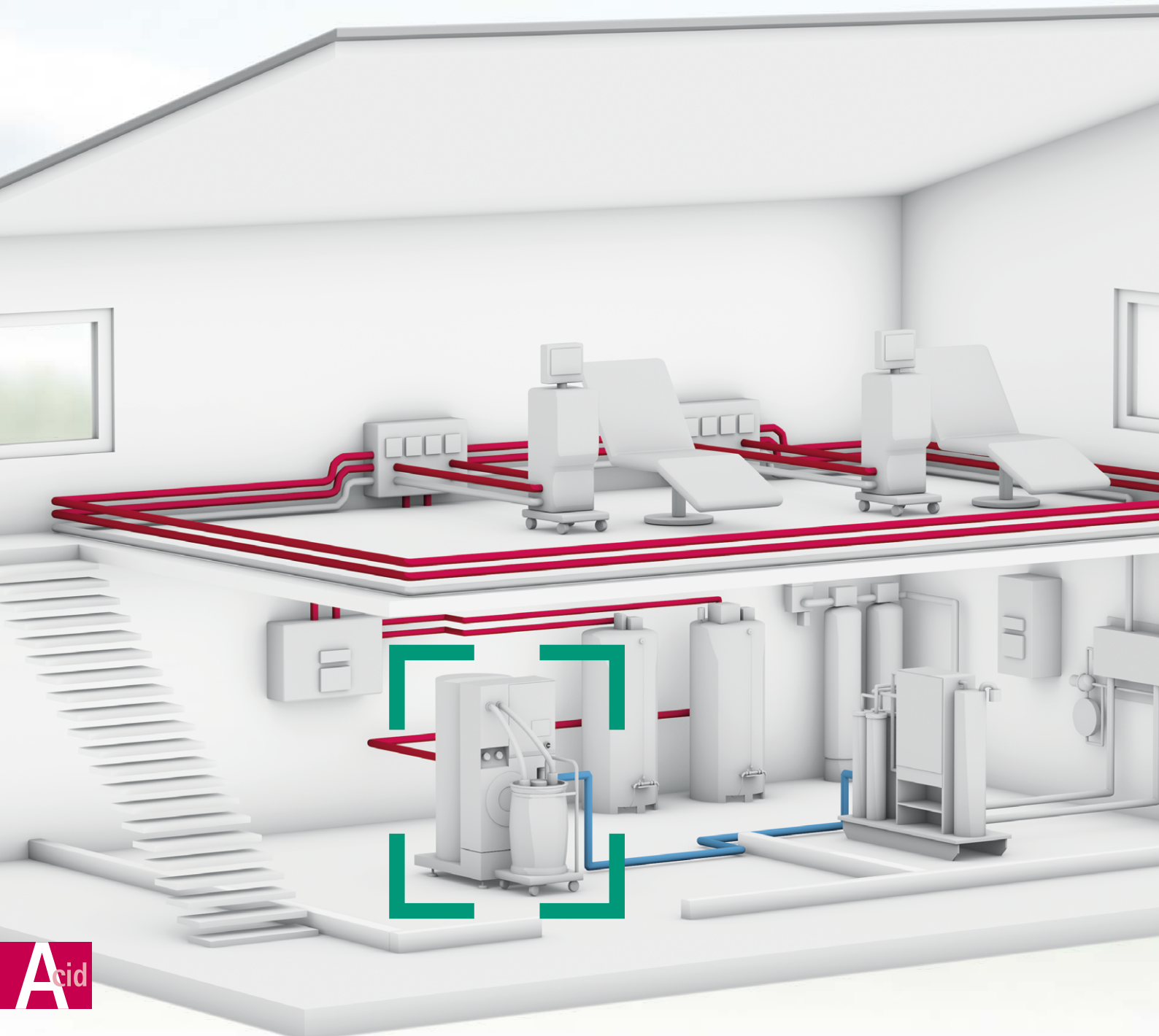


INNOVATIVE INTEGRATED CONCEPT

FULLY AUTOMATED IN-HOUSE PRODUCTION OF HEMODIALYSIS ACID CONCENTRATES

ECOMix Revolution is a fully automated mixing device for acid concentrates. The dry concentrate-powder formulation comes inside the ECOCart cartridge. SmartCoupling assures a fast and easy connection between ECOCart and ECOMix by simultaneously identifying the correct ECOCart cartridge and the

requested formulation. This provides a high level of safety without compromising on quality. ECOMix and ECOCart as a system is therefore an innovative addition to the Dialog dialysis machines and the AQUAboss water treatment system, supporting effective dialysis treatment in modern renal care centers.



ECOMix REVOLUTION AND ECOCart REVOLUTION

BENEFITS VS...

... OTHER MIXING DEVICES

- No more carrying heavy packaging of raw materials
- ECOCart cartridges come on large rollers and can be moved easily
- ECOCart is also available as a single use cartridge
- Fully automatic processes
- Fast identification of the correct cartridges' concentrate raw materials
- Production of the desired ready-to-use concentrate
- No further quality control required due to DensiCon technology
- Improved design prevents damaging of mixing device, storage tanks and ECOCards
- Low maintenance costs, low failure rate
- Online maintenance features and service available for automatic ordering

... READY-TO-USE LIQUID CONCENTRATES IN LARGE VOLUME CONTAINERS (200–1,000 l)

- The ECOCart's lower weight results in fast and easy handling, for managing the stock or connecting the Central Concentrate Supply, e.g., acid fluid does not drip
- Fully automatic processes reduce the risk of wrong product application, e.g., via a wrong connection to the CCS
- The ECOCart's smaller size reduces the storage space and the risk of damaging walls or doors in the warehouse
- Reusable ECOCart means less waste and less environmental impact*

... READY-TO-USE LIQUID CONCENTRATES IN SMALL VOLUME CANISTERS OR BAGS-IN-BOX (3–20 l)

- Less weight to carry and handle (on average 7 kg less per treatment)
- Less stress and physical disturbance for nurses
- No emptying of canisters after treatment, helps to avoid contamination risk
- Cost and waste reduction by avoiding remaining acid concentrates in canisters after the treatment
- Reusable ECOCart reduces the environmental impact*

*Disposable ECOCart available on demand.



ECOMix REVOLUTION SYSTEM

FULLY AUTOMATED SUPPLY OF ACID CONCENTRATES, FROM PRODUCTION AND STORAGE TO THE DIALYSIS MACHINE

ECOMix REVOLUTION & ECOCart REVOLUTION – DIMENSIONS AND FORMULATIONS

A single ECOCart carries the raw material for the ordered concentrate formulation. ECOMix produces precisely this one acid concentrate via a controlled mixing process. Finally, it is filled into storage tanks called ECOTanks.*



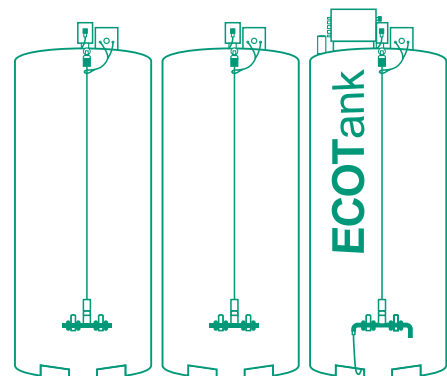
	Depth	Height	Width
ECOMix Revolution incl. 800 l mixing tank	1.25 m	1.90 m	0.88 m

*ECOCart acid concentrate formulations: A broad portfolio, on request.

ECOTank REVOLUTION

Each produced concentrate is dedicated to one ECOTank.

	Depth	Height	Width
ECOTank 860 l	0.88 m	2.19 m	0.88 m
ECOTank 1,650 l	1.12 m	2.41 m	1.12 m



INTERMEDT
Medizin & Technik GmbH

Intermedt is an independent company that has been completely focused on fully automated acid concentrate production. Intermedt differentiates itself from its competition through superior technology and many patented features with the brand ECOMix. The ECOMix system is installed in many countries and in more than 150 renal care centers in Germany alone. Today, B. Braun Avitum holds the global sales and

distribution rights for ECOMix and ECOCart. As a knowledgeable and intimate partner, B. Braun Avitum offers a full line of dialysis products and services. Together with the ECOMix and ECOCart portfolio, B. Braun Avitum strives to offer the best possible system solution, by always focusing on the customers' key drivers: increasing patients' quality of life and reducing the total cost of ownership.

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