

Cardioprotective Haemodialysis

Granumix

In-house acid concentrate provision



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SPOT



**FRESENIUS
MEDICAL CARE**

Protect your Patient

Granumix – effective acid concentrate provision

The Online Purification Cascade (OPC) is a significant part of Fresenius Medical Care integrated approach for dialysis therapy. The OPC product line covers all processes for the delivery of high quality fluids required for dialysis treatment.

One of these processes is the straightforward preparation and distribution of dialysis concentrates.

The manual provision of acid concentrate with ready-to-use products requires high effort in terms of time and resources. With Granumix, Fresenius Medical Care offers a complete range of devices to simplify the process of preparation, storage and delivery of haemodialysis concentrate.

Economic

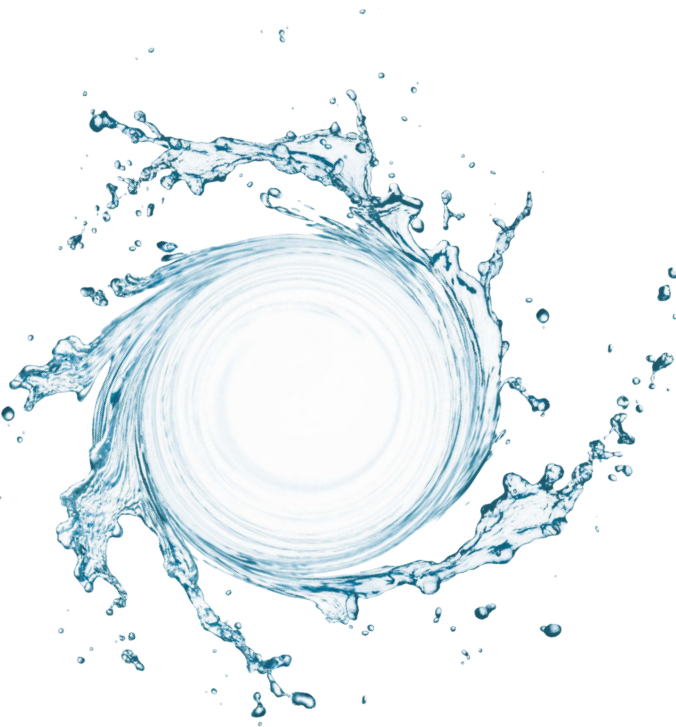
- Minimal logistics with only a few single use disposables
- No more residual concentrate leftovers as all supply comes from the bulk
- Reduced waste compared to canister supply

Protective

- Supporting system validation and revalidation
- Pre-defined preparation process

Reliable

- High durability thanks to simple setup
- Long lifetime as a result of small number of moving parts



All Granumix units can be used individually or in combination:

SPOT on:

- Simplified concentrate preparation

Preparation unit

Granumix prepares batches of 100 L or 500 L of liquid ready-to-use concentrate from permeate and sealed bags of pre-dosed concentrate powder.



Bulk storage unit

Ready-to-use concentrates can be stored in bulk storage units of different sizes.



Central Delivery System

Circulation of concentrate through the concentrate ring main is provided by CDS 08. The device is capable of distributing up to two concentrate variants in parallel. It is compatible with both Granumix and bulk storage units and ready to process concentrates such as smartbag®.



Technical Data

Specifications			
	Granumix 107S	Granumix 507S	CDS 08
Capacity	100 L	500 L	0.2–2.6 bar
Dimensions (h × w × d)	131 × 122 × 60 cm	160 × 160 × 98 cm	30 × 50 × 32 cm
Weight (empty/filled)	150/747 kg	150/747 kg	21 kg
Power supply	220–240 V~, 50/60 Hz, 10 A	220–240 V~, 50/60 Hz, 10 A	220–240 V~, 50/60 Hz, 16 A

Configuration Options			
Mixing unit	Central Delivery System	Storage unit	Concentrates available
Granumix 107S	<input type="radio"/>	<input type="radio"/>	Granudial: AF10, AF11, AF13, AF15, AF80, AF81, AF82, AF83, AF84, (BI84, BI840)
Granumix 507S	<input type="radio"/>	<input type="radio"/>	

Optional

Accessories

Granutest – testing kit for prepared concentrate

Granudial – pre-packed & sealed acid concentrate raw material



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