

HemoRO 3000

SINGLE REVERSE OSMOSIS SYSTEM WITH CHEMICAL
DISINFECTION FOR HOME AND ACUTE DIALYSIS



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A safe, continuous supply of dialysis water is made possible in a portable, easy to use system. HemoRO 3000 is ideal for dialysis centers or ICUs in need of mobility, as well as patients who wish to carry out their dialysis treatments in the comfort of home.

SAFE

- Semi-automated chemical disinfection and fully-automated standby flushing ensures a high water quality and microbiological safety for dialysis
- Pre-treatment accessories
 - Ultrafiltration membranes that offer extra protection from microbials and endotoxins
 - Water softener
 - Water leakage detector
- Sampling set accessory ensures a straightforward and standardized microbiological sampling
- Color-coded tubing for safe handling



Provides up to **70 l/h** of dialysis water at inlet temperature of 10 °C (2,5 bar counter-pressure). No softener needed for hard water up to **15°dH (2,67mmol/l)**.

PRODUCT COMPLIANCE

CE 0044

Class IIb Medical Devices

Medical Device Directive 93/42/EC

EN 60601-1-11



MOBILE

- Compact design
- Robust metal housing
- Easy to move thanks to built-in wheels
- Optional trolley for a more fluid transport, especially for frequent movements or long distances and to fix the pre-treatment

EASY TO USE

- Simple access to settings via a 2-button user interface
- Low noise operation so it can be used beside the patient without any disturbance
- Integrated pre-filter with pressure reducer

PRODUCT RANGE OVERVIEW

HemoRO 3000

Reference codes	Description
02HRO3001N-UG	HemoRO 3000 (50 l/h) - 230 V / 50-60 Hz
02HRO3002N-UG	HemoRO 3000 (70 l/h) - 230 V / 50-60 Hz
02HRO3110N-UG	HemoRO 3000 (50 l/h) - 115 V / 60 Hz
02HRO3111N-UG	HemoRO 3000 (70 l/h) - 115 V / 60 Hz

HemoRO 3000 Pre-treatment

Reference codes	Description
S08BHH000-UG	Carriage for HemoRO 3000
09WWG0001-UG	Water guard
S07B059G8-UG	Softener
S08B09895A-UG	3 pre-filters: 10"-AC, 10"-20µm, 5"-5µm
EJMGE41015-UG	Spare membrane M4.6-11
S08B08490-UG	Citic acid set (5 pcs.)
20KSET110-UG	Sampling set for permeate (6 pcs)

Possible combinations

HemoRO 3000

	Feed Flow	Feed water pressure	
(50l/h)	200 l/h	> 2,5 bar (dyn.)	< 10,0 bar (stat.)
+ softener	300 l/h	> 3,0 bar (dyn.)	< 8,0 bar (stat.)
+ 3x pre-filter	200 l/h	> 4,0 bar (dyn.)	< 8,5 bar (stat.)
+ 3x pre-filters + softener	300 l/h	> 4,5 bar (dyn.)	< 8,0 bar (stat.)

HemoRO 3000

	Inflow	Feed water pressure	
(70l/h)	220 l/h	> 2,5 bar (dyn.)	< 10,0 bar (stat.)
+ softener	320 l/h	> 3,0 bar (dyn.)	< 8,0 bar (stat.)
+ 3x pre-filter	220 l/h	> 4,0 bar (dyn.)	< 8,5 bar (stat.)
+ 3x pre-filters + softener	320 l/h	> 4,5 bar (dyn.)	< 8,0 bar (stat.)

Conformity declared with directive 93/42/EEC concerning medical devices.
We reserve the right to make technical changes.

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Technical specifications

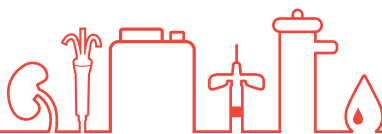
			Specification
Dimensions	Measurements (W x H x D)		480 x 170 x 360 mm
Weight	Max		35 kg
Performance data	Maximum dialysis water production capacity at 10 °C and with a back pressure of 2.5 bar		02HRO3000 50 l/h
			02HRO3002 70 l/h
			02HRO3110 50 l/h
			02HRO3111 70 l/h
	Dialysis water pressure		3 bar
Membrane retention rate		> 95%	
Water connections	Feed water		Hose DN 8
	Dialysis water		Hose DN 6 (2x 1.5 m)
	Waste water		Hose DN 8
Electrical data	Mains plug		230 V-Version: CEE 7/7 115 V-Version: NEMA 5-15 P
	Supply voltage		230 V / 50-60 Hz or 115 V / 60 Hz
	Energy consumption		max. 0.3 kW
	Fuse		16 A / Fi ΔI 30 mA
Electrical safety	Safety class		I
	Overvoltage category		II
	Degree of pollution		2
Feed water	Quality		Drinking water or softened drinking water
	Inflow, see possible combinations		
	Hardness		02HRO3000 up to 4.45 mmol/l 02HRO3002 up to 2.45 mmol/l 02HRO3110 up to 4.45 mmol/l 02HRO3111 up to 2.45 mmol/l
	SDI		< 3
	Conductivity		< 2,000 µS/cm
	Iron		< 0.05 mg/l
	Free chlorine		< 0.10 mg/l
	Temperature range		5 – 25°C
	pH-value		6.5 – 8.5
Ambient conditions	Temperature	Shipping / Storage	+1 to +45°C
		Operation	+1 to +35°C
	Air humidity		max. 90% rel. humidity, non-condensing
	Installation altitude		max. 2,000 m above NHN
On-site requirements	Isolable water supply, 2.5 – 6 bar		Pressure reducing valve or pressure booster as required
	Drain max. 100 cm above upper edge of the unit		

Nipro Renal Care is part of Nipro Corporation Japan, a leading global healthcare company established in 1954. With over 29.000 employees worldwide, Nipro serves the Medical Device, Pharmaceutical, and Pharmaceutical Packaging industries.

Nipro Renal Care is a global market leader with over 5 decades providing renal solutions for dialysis and dialysis-related treatment. We specialize in developing dialysis machines, water treatment systems, and a comprehensive portfolio of disposable medical equipment.

In order to address the needs of patients, healthcare professionals, and procurement managers alike, Nipro Renal Care is driven by innovation and patient safety to offer the highest quality products that optimize time, effort, and costs.

BECAUSE EVERY LIFE DESERVES AFFORDABLE CARE



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