Linixia™

REVERSE OSMOSIS (RO) WATER TREATMENT SYSTEM



NIPRO

A project tailormade for your center

Made by you, for you



High-quality dialysis treatment depends on high-quality water treatment. Dialysate used in dialysis treatment is:

95%
WATER

However, water from the tap contains minerals, heavy metals, bacteria, and organic compounds that can lead to poor outcomes and be harmful for dialysis patients if not removed.

Safe and effective haemodialysis (HD) and haemodiafiltration (HDF), sessions can only be performed if the water quality meets national and international guidelines and standards (ISO 23500). The journey to achieving these standards begins with the quality of water arriving at the center.

Your center is unique, and so is the tailored solution that we will co-create to meet your water treatment and workflow needs.



01

Concept:
Developed with you

From ideation through design, installation and technical support, Nipro's experts ensure a supportive and comprehensive partnership with you beyond the point of sale.

Design:
Scaled to fit your needs

Our specialized eco-design experts will design and size your system based on a comprehensive risk analysis that considers the incoming water quality, your site's specific therapies, and the center's activity levels.

02





03

Comprehensive support
from start to finish

From installation to routine maintenance or emergency troubleshooting, our experts will ensure your system operates smoothly every single day.

Customized training & education
support program

We remain at your disposal following installation and throughout the product's lifecycle. Understanding the critical importance of education, we offer ongoing training sessions to your teams on water treatment and beyond.

04



Reverse osmosis system

Discover Nipro's LiniXia Reverse Osmosis (RO) system, the new green-generation water treatment solution your clinic needs, providing safe, pure, and reliable water for dialysis treatment. With LiniXia, we've added an entire range of water treatment solutions to our renal care portfolio, combining innovative RO technology with user-friendly controls, detailed logs, and remote supervision capabilities, all while ensuring up to 90% yield of high-quality ultra-pure water.

EASY & INTUITIVE

Intuitive user interface
Higher* energy efficiency
Clear & comprehensive logs
Conductivity target setup

**Compared to Phoenix One or One DS.*

REMOTE MONITORING

Workbench: real-time supervision and connectivity





SAFE

Smart system operation
Clear alert management



WE CARE

About your healthcare staff

We treat the water, you treat the patients. Our Smart System ensures **reliability**, allowing healthcare staff to focus on what matters most, without interruptions.

About your technicians

Oversight is easy with Workbench integration for desktop and mobile, offering **remote monitoring.** The system features a **friendly interface** with detailed event and user logs.

About your procurement team

With LiniXia, you're investing in a system built to meet the high demands of clinical treatment and evolving water purity standards for advanced dialysis technologies. Nipro's **certified technology and dedicated after-sales care** ensure top-tier care for your clinic, on schedule, and with **savings**.

Global presence & expertise

Manufactured by Nipro, a full-circle eco system provider in dialysis care with a manufacturing plant in Bruchsal, Germany. With installations in over 50 countries and certifications including MDR and ISO 13485, Nipro brings extensive experience and expertise to the table. Nipro is a global market leader and trusted manufacturer of renal care products, from RO water treatment systems to dialysis machines, including medical supplies and consumables, with decades of experience.

2003
Phoenix Pure Water is created

2014
Nipro acquires Phoenix
Nipro Pure water is created

2018
500 RO systems installed (worldwide)

2023
1000 RO systems installed (worldwide)

2025
& BEYOND
Launch of LiniXia series

MADE IN GERMANY

Introducing the LiniXia series of Reverse Osmosis (RO) Water Treatment Systems

LiniXia	Full heat disinfection	Loop heat disinfection	Chemical disinfection
Double stage	LiniXia DS PRO	LiniXia DS L	LiniXia DS
Single stage	LiniXia PRO	LiniXia L	LiniXia

Capacity and key information for customers:

- Up to 90% yield
- Frequency controlled pumps to reduce power consumption
- A_0 informative target
- Conductivity target setup
- Workbench: optional remote monitoring system – real-time monitoring (24/7 access to data – proactive alarm management)

VARIANTS	LiniXia Pro, LiniXia DS Pro							
Permeate performance L/h [15°C]	300 to 350	600 to 700	900 to 1050	1200 to 1400	1500 to 1750	1800 to 2100	2100 to 2450	2400 to 2800
Permeate performance L/min [15°C]	5 to 5.83	10 to 11.6	15 to 17.5	20 to 23.3	25 to 29.17	30 to 35	35 to 40.83	40 to 46.7
Feed quantity min. at 3 bar dynamic	1500	2000	2500	3000	3500	4000	4500	5500

VARIANTS	LiniXia, LiniXia L, LiniXia DS, LiniXia DS L						
Permeate performance L/h [15°C]	350 to 400	700 to 800	1050 to 1200	1400 to 1600	1750 to 2000	2100 to 2400	2450 to 2800
Permeate performance L/min [15°C]	5.83 to 6.67	11.6 to 13.3	17.5 to 20	23.3 to 26.67	29.17 to 33.3	35 to 40	40.83 to 46.7
Feed quantity min. at 3 bar dynamic	1500	2000	2500	3000	3500	4000	4500

www.nipro-group.com



References. *CDC: Water use in dialysis.* Dialysis Safety. Published March 26, 2024. https://www.cdc.gov/dialysis-safety/hcp/recommendations-resources/water-use-in-dialysis.html

Hoenich NA, Ronco C, Levin R. *The importance of water quality and haemodialysis fluid composition.* Blood Purif. 2006;24(1):11-18. doi:10.1159/000089430

ISO. ISO 13485:2016. ISO. Published August 27, 2018. https://www.iso.org/standard/59752.html

Kasparek T, Rodriguez OE. *What Medical Directors Need to Know about Dialysis Facility Water Management.* Clin J Am Soc Nephrol. 2015;10(6):1061-1071. doi:10.2215/CJN.11851214

Success: Nipro receives EU MDR certification for medical devices. Nipro. Published 2022. Accessed October 13, 2024. https://www.nipro-group.com/en/inspire/success-nipro-receives-eu-mdr-certification-medical-devices