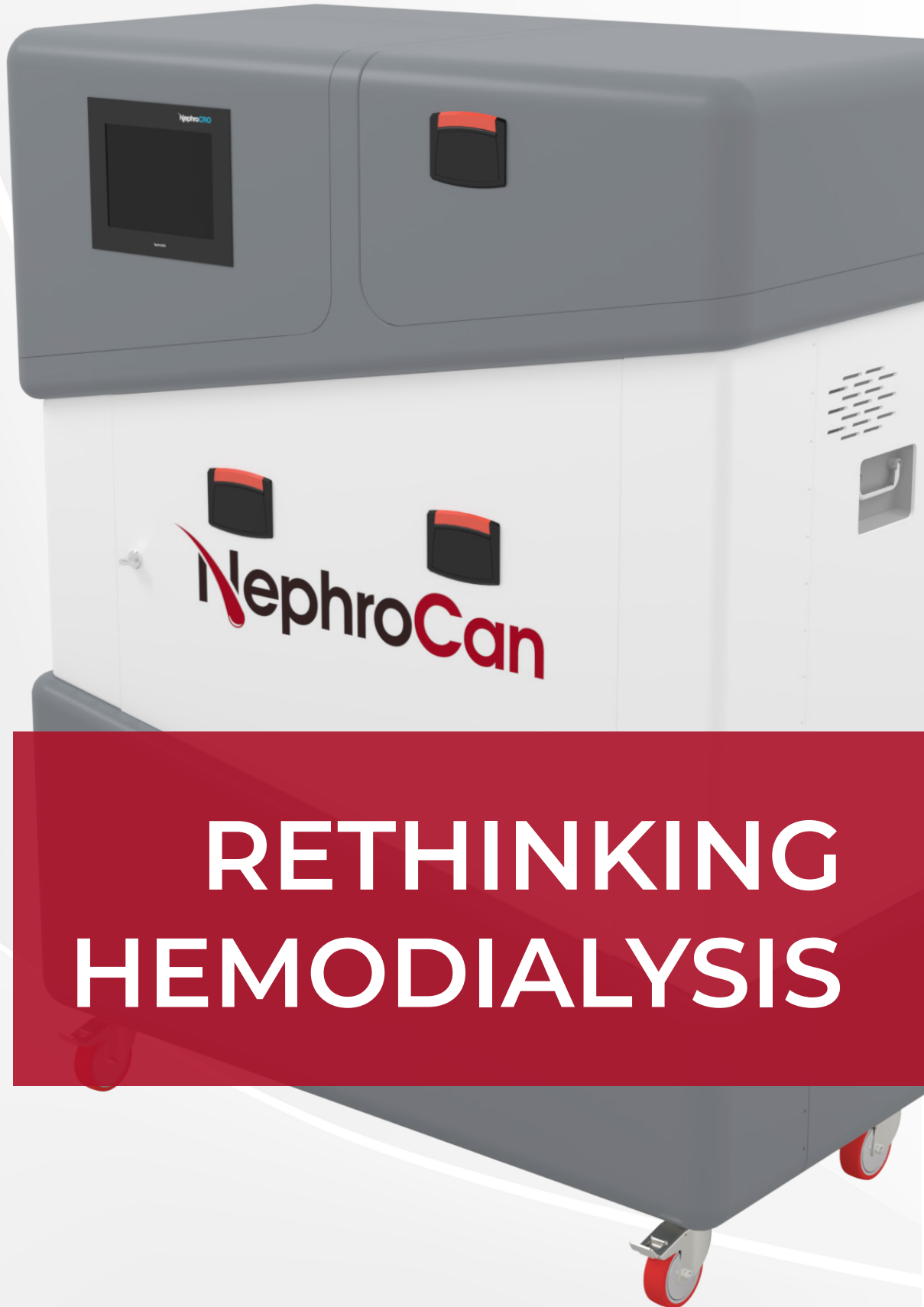


Nephro CRO™

NephroCan

CENTRAL REVERSE OSMOSIS MACHINE



**RETHINKING
HEMODIALYSIS**



2025



CANADIAN LEADER IN HEMODIALYSIS



As a trusted Canadian provider, we are committed to delivering high-quality hemodialysis consumables, machinery, and equipment worldwide. Our goal is to ensure that our offerings are accessible and enhance patient care. We are dedicated to pioneering innovative therapies that revolutionize renal therapy, improving outcomes and enhancing the quality of life for patients globally.

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CENTRAL REVERSE OSMOSIS

NephroCan's Central Reverse Osmosis machine (NephroCRO™) is a high-capacity water treatment system designed to efficiently support the treatment process of any dialysis center. Engineered for global application, the NephroCRO™ delivers consistent, high-quality water treatment regardless of geographical location or water conditions.

Central Reverse Osmosis Machine Products

Product Name	Description	Permeate (L/Hr)
NephroCRO-NCS1	Single-pass RO machine for hemodialysis application. This model has a membrane.	300/350
NephroCRO-NCS2	Single-pass RO machine for hemodialysis application. This model has two membranes.	700/750
NephroCRO-NCS3	Single-pass RO machine for hemodialysis application. This model has three membranes.	1000/1050
NephroCRO-NCS4	Single-pass RO machine for hemodialysis application. This model has four membranes	1200/1250
NephroCRO-NDS1	Double-pass RO machine for hemodialysis application. This model has two membranes in the first pass and one membrane in the second pass.	300/350
NephroCRO-NDS2	Double-pass RO machine for hemodialysis application. This model has four membranes in the first pass and two membranes in the second pass.	700/750

Note: NCS0: Number of single-pass membranes. NDS0: Number of double-pass membranes. Each membrane: 300L/Hr

NEPHROCRO CHARACTERISTICS



SPECIFICATIONS

Central Reverse Osmosis Machine Specifications

Parameters	Description
Type	Central RO Machine
Description	With a sleek and transportable design, this modular RO machine is capable of increasing purified water capacity onsite
Capacity	Ability to serve up to 32 dialysis machines simultaneously. 300 L/hr to 1250 L/hr
Material	Stainless steel - 316L Grade
Raw Water Connection Size	3/4"
Electrical Phase / Frequency	Three-Phase / 50 Hz
Working Voltage	380 Volts AC
Capacity	Accommodates up to 32 dialysis machines
Inlet Temperature	Max 30°C
Max Inlet Conductivity	5000 µS/cm
Permeate Pressure	Max 7 bar
Raw Water Pressure	Min 1 bar
Electrical Protections	Compliant with electrical safety standards, and includes FI switch, grounding system, bimetal switch, and phase controllers
Recovery Rate	50 - 75%
Connection Port	Remote control-LAN and USB drive for data recording
Interface	Multi-language, with ability to create operator access levels
Body Material	ABS
Other	<ul style="list-style-type: none"> » Continuous monitoring of critical parameters based on risk assessment, including conductivity, temperature and pressure » Programmable logic controllers, functional conductivity and temperature measurement sensors, pressure transmitters, flow meter, solenoids, and high quality pump » Ability to monitor, plan and control each purifying process through a user-friendly touchscreen » Designed with an automatic and programmable rinsing system » Online operating system which feeds water into dialysis water loop suitable for centres » Pipeline made with high-quality, 316L passivated stainless steel » Chemical disinfection and auto rinsing program » Double pass available for ultrapure water



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