

2026

# Nephro CRO™



CENTRAL REVERSE OSMOSIS

  
[www.NephroCan.com](http://www.NephroCan.com)



## 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.

The information and content provided in this brochure is the intellectual property of NephroCan and can only be used for purposes as intended by NephroCan. The content of this document shall not be altered, changed, or replicated. NephroCan claims possessory rights over the content of this document. The analysis and figures contained herein are based on NephroCan's interpretation and compilation of data and information of NephroCan's competitors in the hemodialysis market as published online and made available in the public domain.

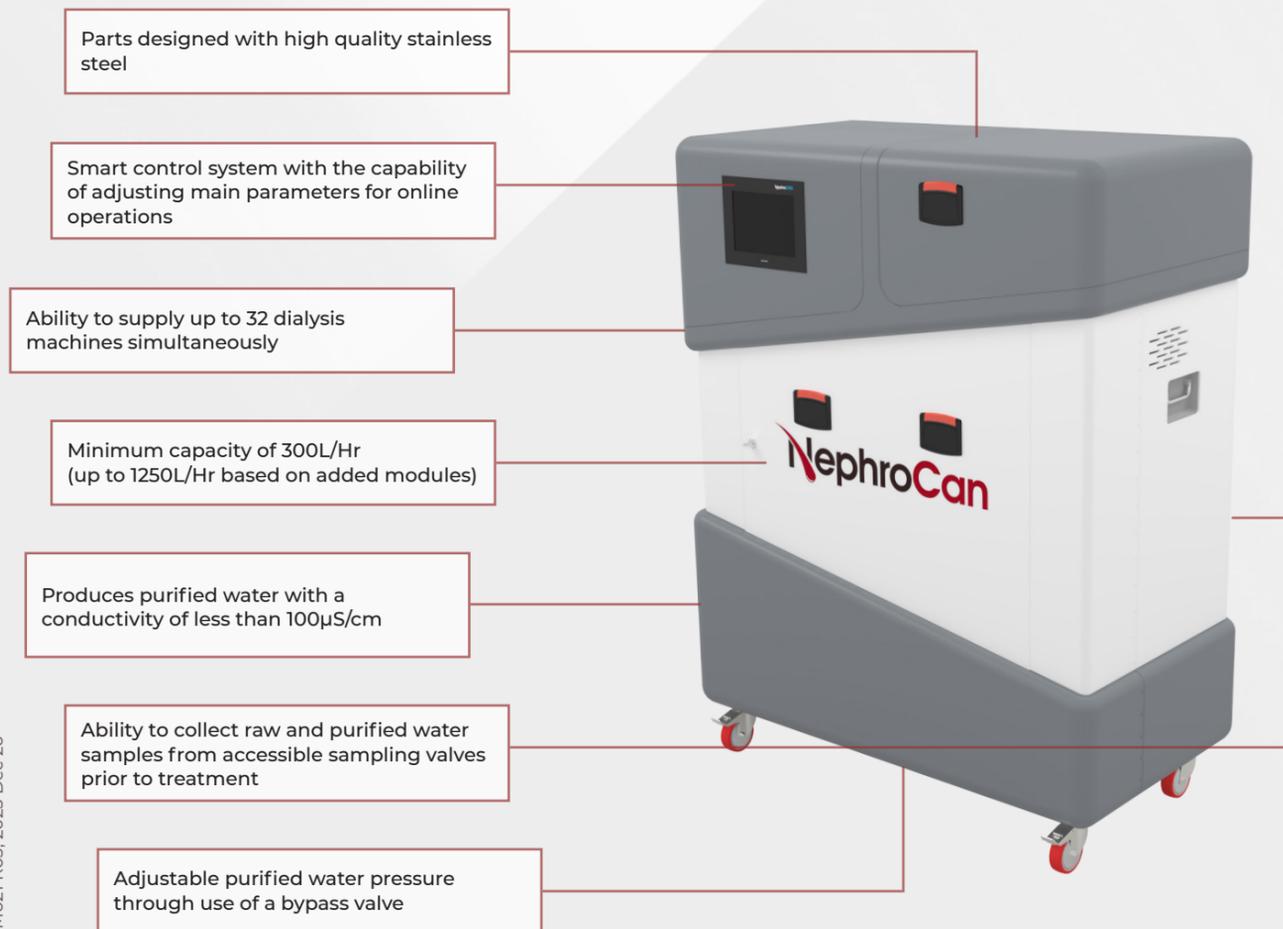
# CENTRAL REVERSE OSMOSIS

NephroCan's central reverse osmosis machine (NephroCRO™) is a high-capacity water treatment system designed to efficiently support treatment in any dialysis centre. Engineered for global application, the NephroCRO™ delivers consistent, high-quality water treatment regardless of location or water conditions.

Central Reverse Osmosis Machine Products		
Product Name	Description	Permeate (L/Hr)
<b>NephroCRO-NCS1</b>	Single-pass RO machine for hemodialysis application. This model has one membrane	300/350
<b>NephroCRO-NCS2</b>	Single-pass RO machine for hemodialysis application. This model has two membranes	700/750
<b>NephroCRO-NCS3</b>	Single-pass RO machine for hemodialysis application. This model has three membranes	1000/1050
<b>NephroCRO-NCS4</b>	Single-pass RO machine for hemodialysis application. This model has four membranes	1200/1250
<b>NephroCRO-NDS1</b>	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
<b>NephroCRO-NDS2</b>	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



## Central Reverse Osmosis Machine Specifications

Parameters	Description				
<b>Type</b>	Central RO Machine				
<b>Description</b>	With a mobile and modern design, this modular RO machine is capable of increasing purified water capacity onsite				
<b>Capacity</b>	Ability to serve up to 32 dialysis machines simultaneously (300 - 1,250L/Hr)				
<b>Material</b>	Stainless steel - 316L Grade				
<b>Raw Water Connection Size</b>	3/4"				
<b>Electrical Phase / Frequency</b>	Three Phase / 50Hz				
<b>Working Voltage</b>	380 Volts AC				
<b>Capacity</b>	Accommodates up to 32 dialysis machines				
<b>Inlet Temperature</b>	Max 30°C				
<b>Max Inlet Conductivity</b>	5000µS/cm				
<b>Permeate Pressure</b>	Max 7 bar				
<b>Raw Water Pressure</b>	Min 1 bar				
<b>Electrical Protections</b>	Compliant with electrical safety standards and includes an FI switch, grounding system, bimetal switch, and phase controllers				
<b>Recovery Rate</b>	50 - 75%				
<b>Connection Port</b>	Remote control-LAN and USB drive for data recording				
<b>Interface</b>	Multilingual, with the ability to define operator access levels				
<b>Body Material</b>	ABS				
<b>Other</b>	<ul style="list-style-type: none"> <li>» Continuous monitoring of critical parameters based on risk assessment, including conductivity, temperature, and pressure</li> <li>» Programmable logic controllers, fully functional conductivity and temperature sensors, pressure transmitters, flow meter, solenoids, and high-quality pump</li> <li>» Ability to monitor, plan, and control each purification process through a user-friendly touchscreen</li> <li>» Designed with an automatic and programmable rinsing system</li> <li>» Online control system which feeds water into dialysis water loop suitable for centres</li> <li>» Pipeline made with high-quality, 316L passivated stainless steel</li> <li>» Chemical disinfection and auto-rinsing program</li> <li>» Double pass available for ultrapure water</li> </ul>				
<b>Dimensions</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">Length: 130cm</td> <td style="width: 25%;">Width: 70cm</td> <td style="width: 25%;">Height: 165cm</td> <td style="width: 25%;">Weight: 140 - 180kg</td> </tr> </table>	Length: 130cm	Width: 70cm	Height: 165cm	Weight: 140 - 180kg
Length: 130cm	Width: 70cm	Height: 165cm	Weight: 140 - 180kg		

\*Depending on model and number of membranes





**Email:**

info@NephroCan.com  
sales@NephroCan.com

**Phone:**

+1 (604) 922-3110

**Fax:**

+1 (604) 922-3160

**Website:**

www.NephroCan.com



**NephroCan Inc.**

Suite 940-1040 West Georgia St. Vancouver, BC V6E 4H1  
Canada



**NephroCan GmbH. & Co. KG**

Koppelbergstraße 13, 17166 Teterow, Germany  
www.NephroCan.com/eu-rep

**Email:**

eurep@NephroCan.com

©NephroCan 2026