

2026

Nephro•HDM™



NephroCan

www.NephroCan.com

HEMODIALYSIS MACHINE



CANADIAN LEADER IN HEMODIALYSIS

Canadian company
headquartered in
Vancouver, BC



In-house design,
technology and
manufacturing

Specialists in
hemodialysis
therapy products



Multiple
manufacturing sites

Fully integrated
product and service
company



CE
Certified for CE and
ISO standards

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.

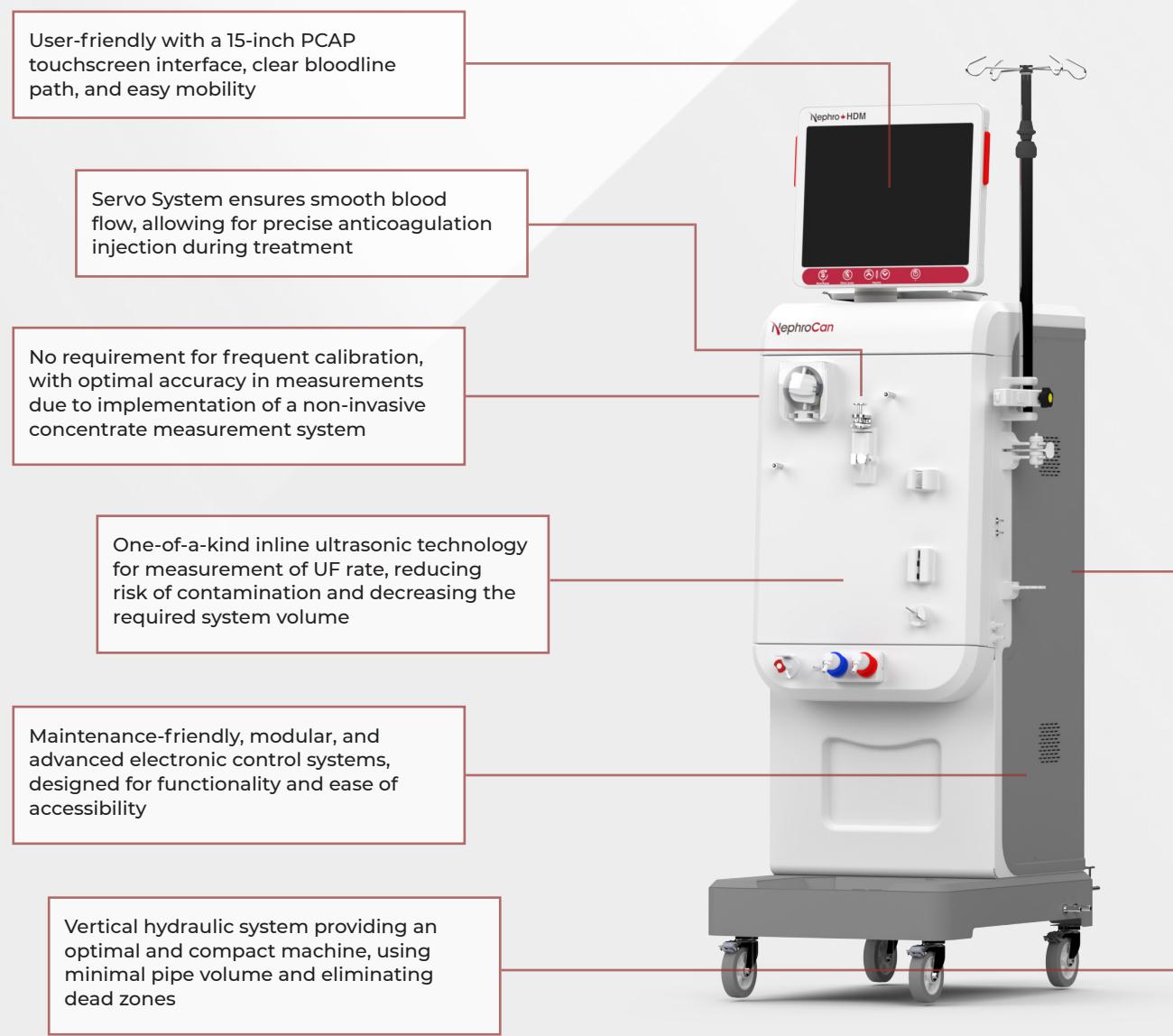
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HEMODIALYSIS MACHINE

The NephroHDM™ is an advanced hemodialysis machine tailored for patients with end-stage renal disease (ESRD). This essential machine efficiently filters and purifies blood using a dual circuit system: one for drawing and returning blood and another for circulating a balanced electrolyte solution. It features robust monitoring systems to ensure patient safety by tracking vital parameters, such as blood flow and pressure, and customizable controls that allow adjustments in fluid removal rates to optimize treatment efficacy and comfort.

Designed with a user-friendly interface, responsive alarms, and precise sensors, the NephroHDM™ facilitates easy operation and immediate issue resolution, enhancing the quality of life for patients requiring reliable dialysis treatment.

NEPHROHDM CHARACTERISTICS



Hemodialysis Machine Specifications

Function	Parameter	Specifications		
Treatment Type		» Conventional hemodialysis treatment » Bicarbonate and acetate » Single needle and double needle		
Ultrafiltration	Net Fluid Removal	100 - 2000mL/hr		
	Measurement Type	Inline, non-invasive flow-metric measurement system		
Dialysate	Bicarbonate Concentration	2.4 - 3.6mS/cm		
	Sodium Concentrate	13.5 - 15.5mS/cm		
Blood	Dialysate Temperature	35 - 38 °C		
	Dialysate Time	15min - 10hr		
Blood Sensors	Dialysate Flow Rate	300 - 700mL/min		
	Bicarbonate Type	Cartridge container		
Blood Pressure Sensor	Blood Flow Rate	20 - 700mL/min		
	Blood Pump	Brushless DC motor equipped with single fault safe driving unit		
Blood Sensors	Blood detection for safety during patient connection and disconnection			
	Ultrasound air detector in the closest position to clamp with internal self-test and air bubble detector >40µl			
Blood Sensor	Venous chamber ultrasound level detector for air infusion prevention with level adjustment			
	Position	3 locations: venous, arterial, and dialyzer entrance		
Anticoagulation	Range	-350 to 450mmHg		
	Accuracy	<1mmHg		
Disinfection	Blood Sensor	Blood leakage detection with resolution of 0.35mL/min		
	Heparin Pump	Configurable in software with different syringe types Step motor driving with accurate linear system		
Electrical System	Syringe Size	20mL		
	Error	<5%		
Other	Working Program	Bolus and continuous dosing Programmable profile for dosing stop time		
	Features	Hot rinse, chemical, hot chemical		
Dimensions	CPU and Protection System	Embedded system		
	Interface	Size: 15 inch		
		Pixels: 1024 x 768		
		Touch screen: PCAP		
	Features	» Auto shutdown after rinse » Reinfusion and priming » Real blood flow correction » Alarm system recording » Filter and cartridge emptying cycles » Online real UF measurement » Patient access card tracking system		
		» Customized menu for troubleshooting » User-friendly » Profiling » Self-testing » Kt/V measurement » Patient blood pressure monitoring » Cloud communication		
Dimensions	Length: 75cm	Width: 60cm	Height: 166cm	Weight: 95kg

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