

2026

Nephro  HDF™



NephroCan

www.NephroCan.com

HEMODIAFILTRATION 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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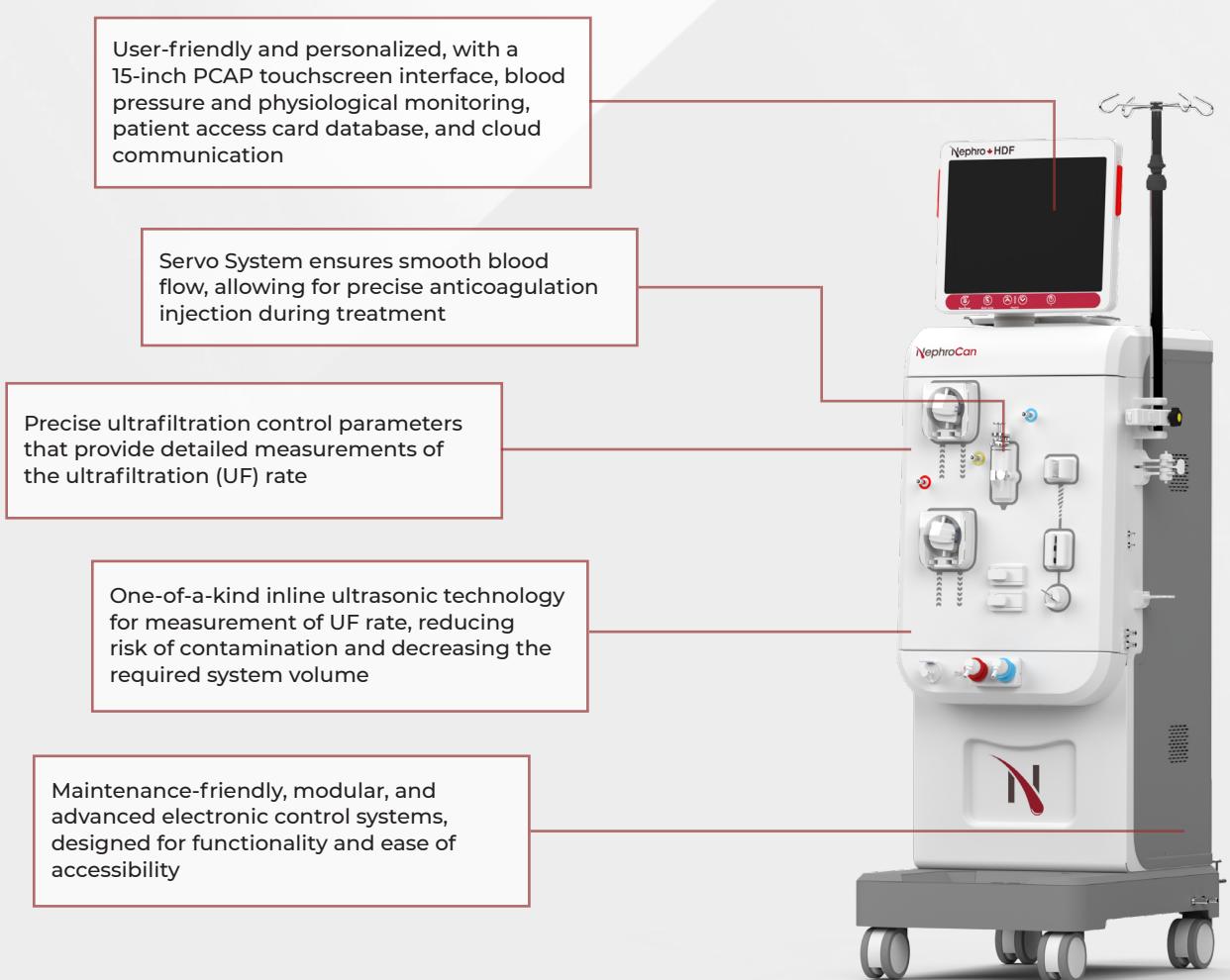
HEMODIAFILTRATION MACHINE

The NephroHDF™ is an innovative hemodiafiltration machine that enhances toxin removal for patients with kidney failure, using advanced diffusive and convective solute transport technologies. It features a high-flux membrane capable of filtering larger molecules, ensuring comprehensive blood purification.

This machine offers dual or triple pump configurations for both pre- and post-dilution treatments and includes automated priming and flushing with online dialysate substitution. The sophisticated monitoring systems and sensors dynamically regulate blood flow, pressure, and composition, enhancing patient safety and comfort.

With programmable interfaces, the NephroHDF™ enables customized treatments, improving efficiency and reducing side effects such as low blood pressure and muscle cramps. Additionally, its eco-conscious design decreases saline consumption, acid intake, and energy use, making it an eco-friendly option for dialysis centres.

NEPHROHDF CHARACTERISTICS



Hemodiafiltration Machine Specifications				
Device Element	Performance Task		Specifications	
Treatment Types	HD, pre- and post-dilution			
Eco-conscious priming	Automatic priming with reduced saline consumption options			
Endotoxin Filter	Two inline filters			
Ultrafiltration System	Net fluid removal	100mL/Hr - 2000mL/Hr	Error <100mL/hr	
	Measurement type	Inline, non-invasive flow-metric measurement system		
Dialysate Section	Bicarbonate concentration (non-invasive sensors)	2.4mS/cm - 3.6mS/cm	Error <10%	
	Sodium concentrate (non-invasive sensors)	13.5mS/cm - 15.5mS/cm	Error <5%	
	Dialysate temperature	34°C - 39°C	Error <0.5°C	
	Dialysate time	15min - 10hr	No error	
	Dialysate flow rate	300mL/min - 700mL/min	Error <2%	
	Bicarbonate type	Cartridge container		
	Blood flow rate	20mL/min - 700mL/min	Error <10%	
Hematic Section	Blood pump	2 or 3 pumps		
	Blood sensors	Blood detection for optimal patient safety during connection and disconnection of the patient		
		Ultrasound air detector closest position to clamp with internal self-test and detection of air bubbles >40µl		
Blood Pressure Sensor	Blood sensors	Venous chamber ultrasound level detector for air infusion prevention with level adjustment possibility		
	Range	-450mmHg to 450mmHg		
	Accuracy	<1mmHg		
Blood Sensor	Blood leakage detection with the resolution of 0.35mL/min in highest dialysate flow			
	Anticoagulation	Heparin pump	Step motor driving with accurate linear system	
		Syringe size	10mL & 20mL	
		Error	<5%	
Disinfection	Working program			
	Electrical System	Configurable in software with different syringe type and sizes		
		Bolus or continuous dosing		
		Programmable stop time		
Options	Dosing profile			
	CPU and protection system	Hot rinse, chemical, hot chemical		
		Embedded system		
		Size	15 inch	
	Interface	Pixels	1024x768	
		Touch screen	PCAP	
	Other programs	Total conductivity profiling		
		UF profiling		
		Customized menu for troubleshooting		
		Kt/V measurement		
		Patient blood pressure monitoring		
Dimensions	Online real UF measurement			
	Patient card tracking system			
	Blood volume management			
	Cloud communication			
Length: 75cm		Width: 60cm	Height: 166cm	
		Weight: 95kg		

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