

2026

Nephro HDF™



 **NephroCan**
www.NephroCan.com

HEMODIAFILTRATION MACHINE

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.

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

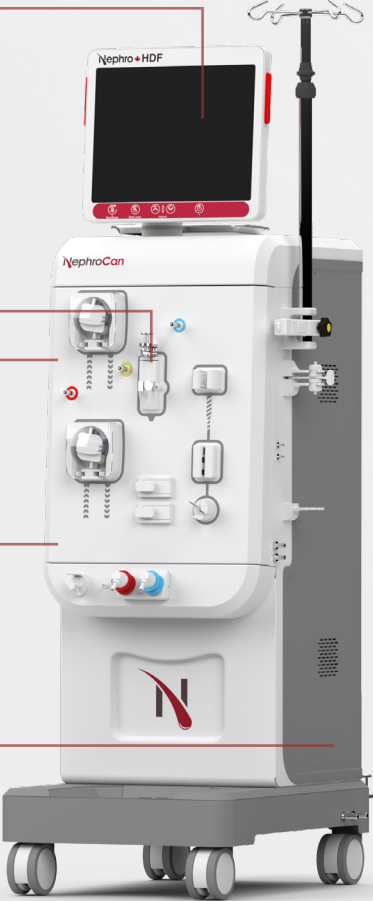
User-friendly and personalized, with a 15-inch PCAP touchscreen interface, blood pressure and physiological monitoring, patient access card database, and cloud communication

Servo System ensures smooth blood flow, allowing for precise anticoagulation injection during treatment

Precise ultrafiltration control parameters that provide detailed measurements of the ultrafiltration (UF) rate

One-of-a-kind inline ultrasonic technology for measurement of UF rate, reducing risk of contamination and decreasing the required system volume

Maintenance-friendly, modular, and advanced electronic control systems, designed for functionality and ease of accessibility



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		
Hematic Section	Blood flow rate	20mL/min - 700mL/min		Error <10%
	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		
		Venous chamber ultrasound level detector for air infusion prevention with level adjustment possibility		
Blood Pressure Sensor	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		Configurable in software with different syringe type and sizes
	Syringe size			10mL & 20mL
	Error			<5%
	Working program			Bolus or continuous dosing Programmable stop time Dosing profile
Disinfection	Hot rinse, chemical, hot chemical			
Electrical System	CPU and protection system	Embedded system		
	Interface	Size	15 inch	
		Pixels	1024×768	
		Touch screen	PCAP	
	Other programs	Total conductivity profiling		
		UF profiling		
		Customized menu for troubleshooting		
Kt/V measurement				
	Patient blood pressure monitoring			
Options	Online real UF measurement Patient card tracking system Blood volume management Cloud communication			
Dimensions	Length: 75cm	Width: 60cm	Height: 166cm	Weight: 95kg

NOTES:

NOTES:



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

Email:

eurep@NephroCan.com