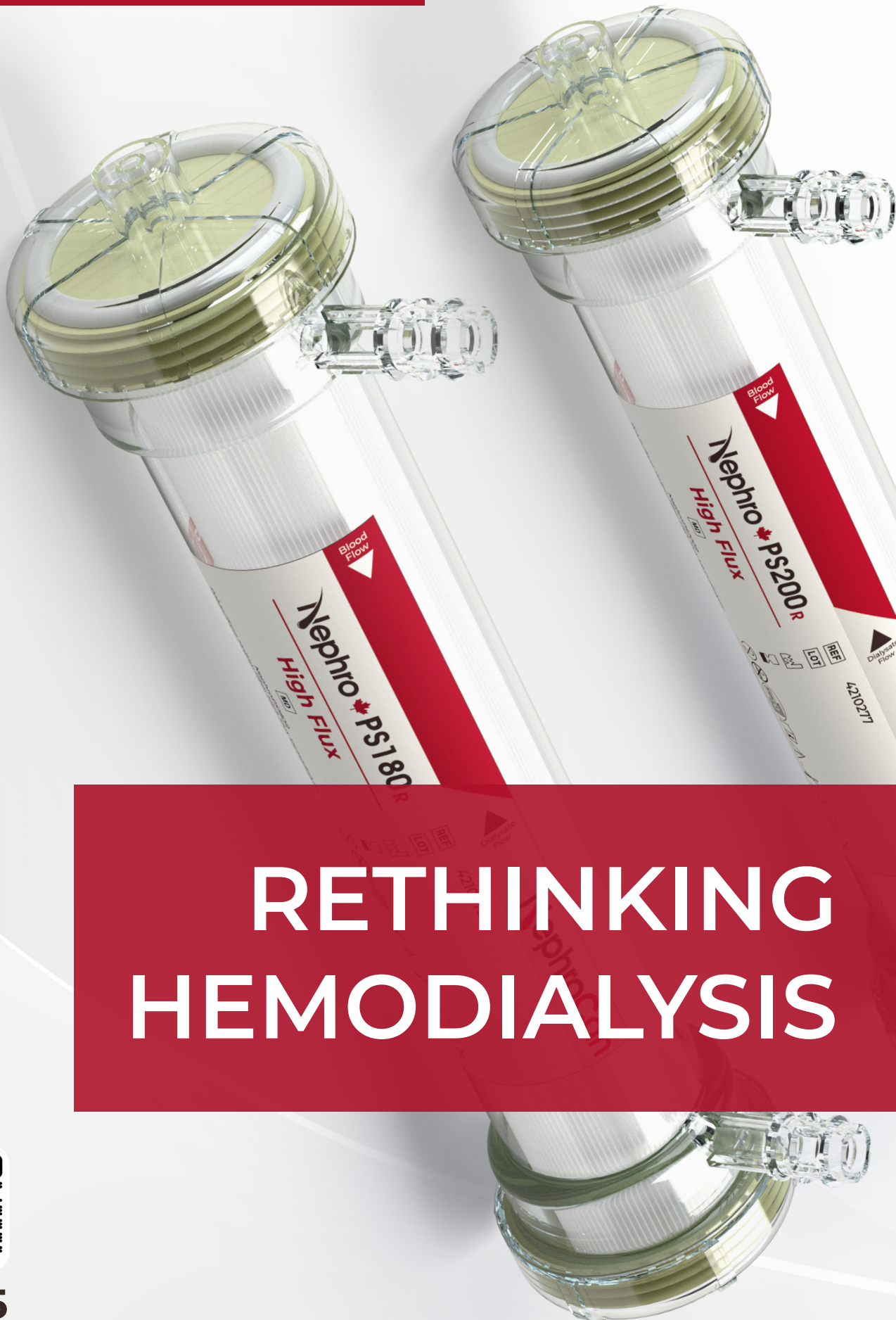


Nepbro Filter™

NepbroCan

POLYSULFONE DIALYZER



**RETHINKING
HEMODIALYSIS**



2025

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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.

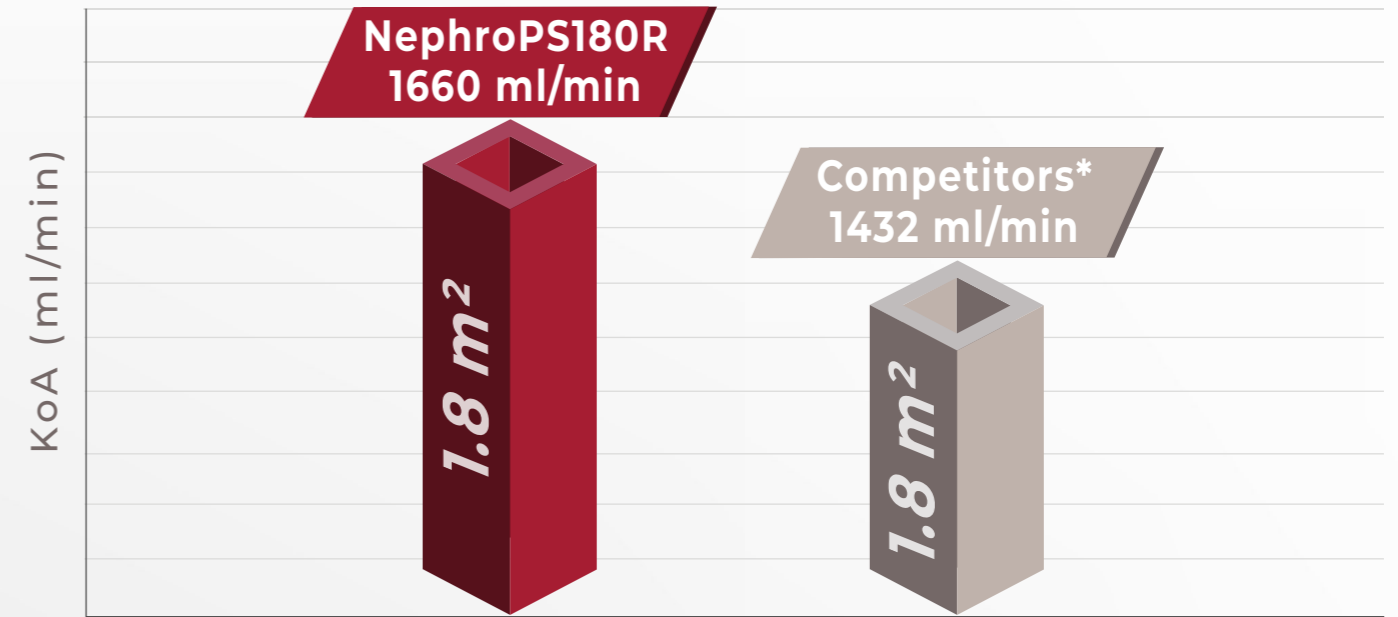
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HIGH FLUX POLYSULFONE HEMODIALYZER FILTERS

Polysulfone High Flux Hollow Fiber Hemodialyzer Specifications*									
Sterilized with Gamma Irradiation (R)									
Clearances (mL/min)		Blood Flow Rate (mL/min)	Nephro PS100R	Nephro PS130R	Nephro PS140R	Nephro PS160R	Nephro PS180R	Nephro PS200R	Nephro PS220R
			Urea	QB= 200	190	195	196	197	198
Creatinine	QB= 300	258	264	272	284	286	290	293	
	QB= 200	173	180	186	193	194	196	198	
Phosphate	QB= 300	217	234	247	267	276	283	291	
	QB= 200	160	174	179	188	192	195	196	
Vitamin B ₁₂	QB= 300	199	219	230	249	259	277	288	
	QB= 200	113	130	139	153	161	168	174	
Inulin	QB= 300	127	146	159	178	190	208	221	
	QB= 200	78	93	104	117	125	131	135	
QB= 300		84	103	113	130	141	152	163	
Surface Area (m ²)			1.0	1.3	1.4	1.6	1.8	2.0	2.2
Blood Priming Volume (mL)			59	69	74	86	105	107	116
Ultrafiltration Coefficient (mL/mmHg.hr)			34.6	46.4	50.6	59.4	63.7	74.6	80.9
KoA (mL/ min)			930	1030	1190	1570	1660	1900	2160
Membrane									
Membrane Material		Dry Non-Cellulosic Membrane, High Flux Polysulfone							
Wall Thickness (µm)		40 ± 7							
Inner Diameter (µm)		200 ± 15							
Maximum TMP (mmHg)		500							
Sieving Coefficient**									
β2-Microglobulin		> 0.8							
Albumin		< 0.001							

QB: Blood flow rate
 QF: Ultrafiltration rate
 QD: Dialysate flow rate
 *Specifications and performance data at QB = 200/300 mL/min, QD = 500 mL/min, QF = 0 mL/min, T: 37 °C. Performance data was measured in vitro according to standards BS EN ISO 8637-1:2020. Clearance data may vary depending on testing conditions.
 **Sieving coefficient is an absolute value that is related to the hollow membrane fiber.

REMOVAL OF UREMIC TOXINS IN HIGH FLUX DIALYZERS



Dialyzer Sizes, High Flux, Gamma Sterilization

Specifications and performance based on NephroCan's PS 1.8M² High Flux Polysulfone membranes.
 QB = 300 mL/min, QD = 500 mL/min, QF = 0 mL/min.
 *Specifications and performance based on public data available on average competing hemodialyzers with Polysulfone membranes.
 QB = 300 mL/min, QD = 500 mL/min, QF = 0 mL/min

NEPHROFILTER CHARACTERISTICS

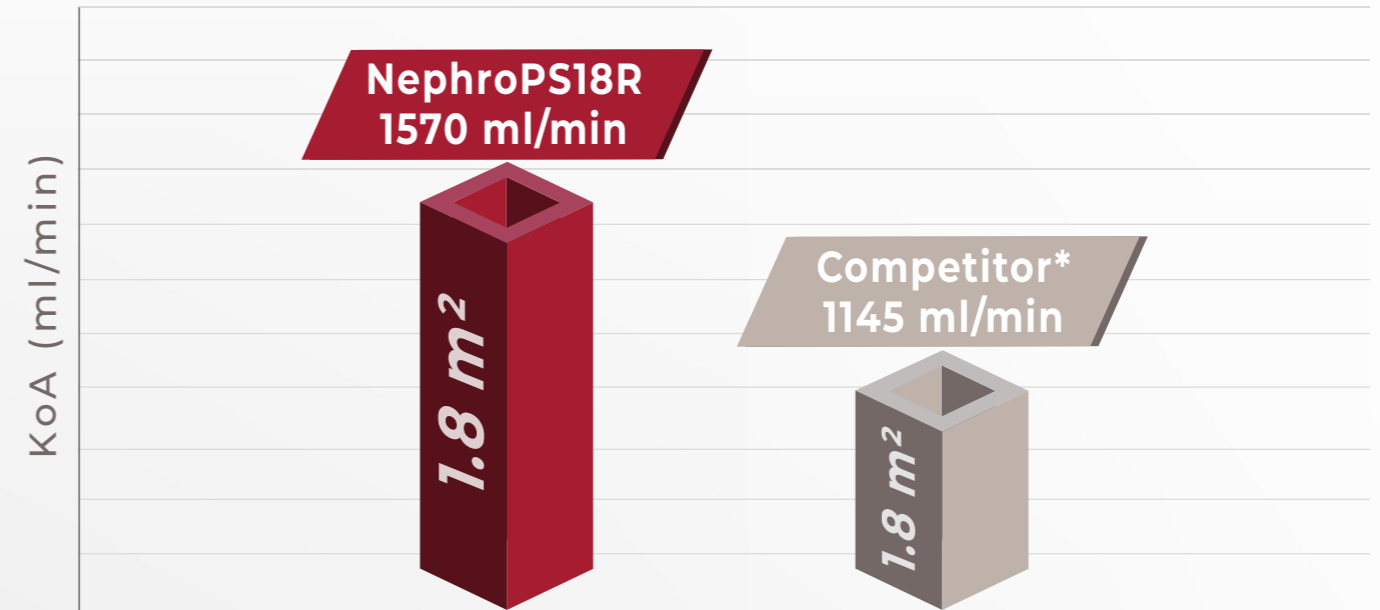


LOW FLUX POLYSULFONE HEMODIALYZER FILTERS

Polysulfone Low Flux Hollow Fiber Hemodialyzer Specifications*									
Sterilized with Gamma Irradiation (R)									
Clearances (mL/min)		Blood Flow Rate (mL/min)	Nephro PS10R	Nephro PS13R	Nephro PS14R	Nephro PS16R	Nephro PS18R	Nephro PS20R	Nephro PS22R**
			Urea	QB= 200	187	195	196	197	198
Creatinine	QB= 300	238	250	253	274	284	285	291	
	QB= 200	167	180	184	189	189	191	193	
Phosphate	QB= 300	201	223	226	243	265	268	283	
	QB= 200	143	153	157	164	174	177	182	
Vitamin B ₁₂	QB= 300	161	182	188	196	215	220	234	
	QB= 200	79	93	98	120	139	145	149	
Inulin	QB= 300	84	100	117	135	156	161	176	
	QB= 200	-	-	-	-	-	-	-	
		QB= 300	-	-	-	-	-	-	
Surface Area (m ²)			1.0	1.3	1.4	1.6	1.8	2.0	2.2
Blood Priming Volume (mL)			59	69	74	86	105	107	110
Ultrafiltration Coefficient (mL/mmHg.hr)			7.3	9.5	11.9	13.9	16.7	17.8	19.8
KoA (mL/ min)			698	824	977	1240	1570	1610	1980
Membrane									
Membrane Material		Dry Non-Cellulosic Membrane Low Flux Polysulfone							
Wall Thickness (µm)		40 ± 7							
Inner Diameter (µm)		200 ± 15							
Maximum TMP (mmHg)		500							

QB: Blood flow rate
 QF: Ultrafiltration rate
 QD: Dialysate flow rate
 *Specifications and performance data at QB = 200/300 mL/min, QD = 500 mL/min, QF = 0 mL/min, T: 37 °C. Performance data was measured in vitro according to standards BS EN ISO 8637-1:2020. Clearance data may vary depending on testing conditions.

REMOVAL OF UREMIC TOXINS IN LOW FLUX DIALYZERS



Dialyzer Sizes, Low Flux, Gamma Sterilization

Specifications and performance based on NephroCan's PS 1.8M² Low Flux Polysulfone membranes.
 QB = 300 mL/min, QD = 500 mL/min, QF = 0 mL/min.
 *Specifications and performance based on public data available on average competing hemodialyzers with Polysulfone membranes.
 QB = 300 mL/min, QD = 500 mL/min, QF = 0 mL/min

NEPHROFILTER CHARACTERISTICS





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