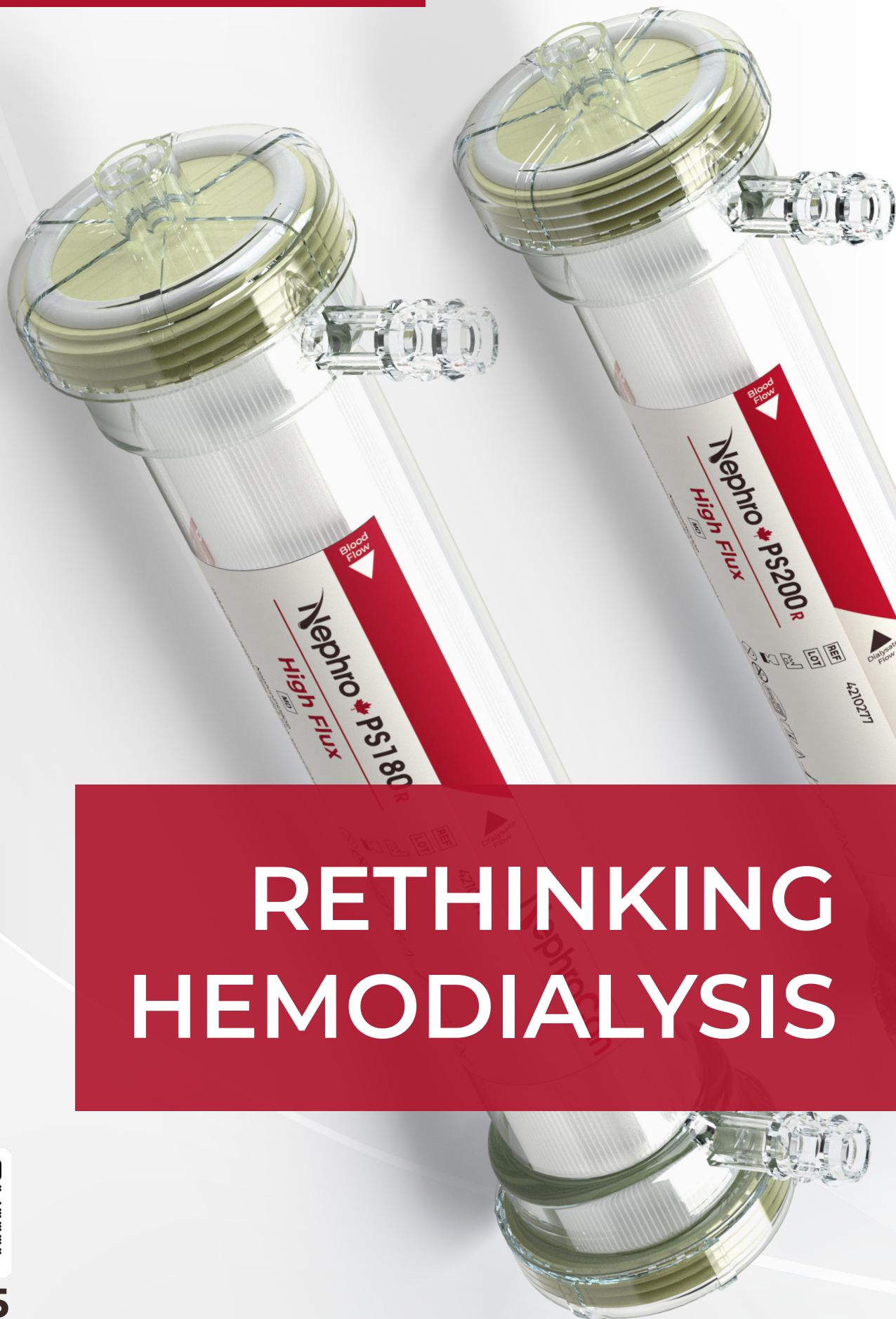


Nephro Filter™

NephroCan

POLYSULFONE DIALYZER



RETHINKING HEMODIALYSIS



2025

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.

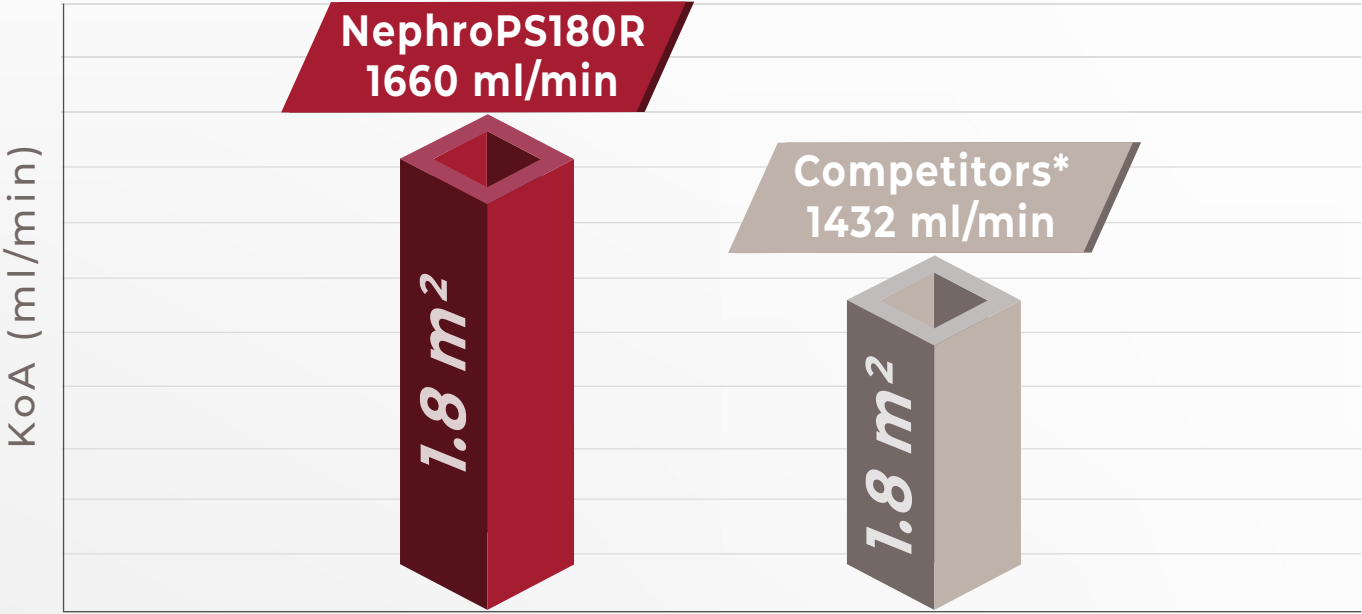
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HIGH FLUX POLYSULFONE
HEMODIALYZER FILTERS

Polysulfone High Flux Hollow Fiber Hemodialyzer Specifications*									
Sterilized with Gamma Irradiation (R)									
		Blood Flow Rate (mL/min)	Nephro PS100R	Nephro PS130R	Nephro PS140R	Nephro PS160R	Nephro PS180R	Nephro PS200R	Nephro PS220R
Clearances (mL/min)	Urea	QB= 200	190	195	196	197	198	199	199
		QB= 300	258	264	272	284	286	290	293
	Creatinine	QB= 200	173	180	186	193	194	196	198
		QB= 300	217	234	247	267	276	283	291
	Phosphate	QB= 200	160	174	179	188	192	195	196
		QB= 300	199	219	230	249	259	277	288
	Vitamin B ₁₂	QB= 200	113	130	139	153	161	168	174
		QB= 300	127	146	159	178	190	208	221
	Inulin	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

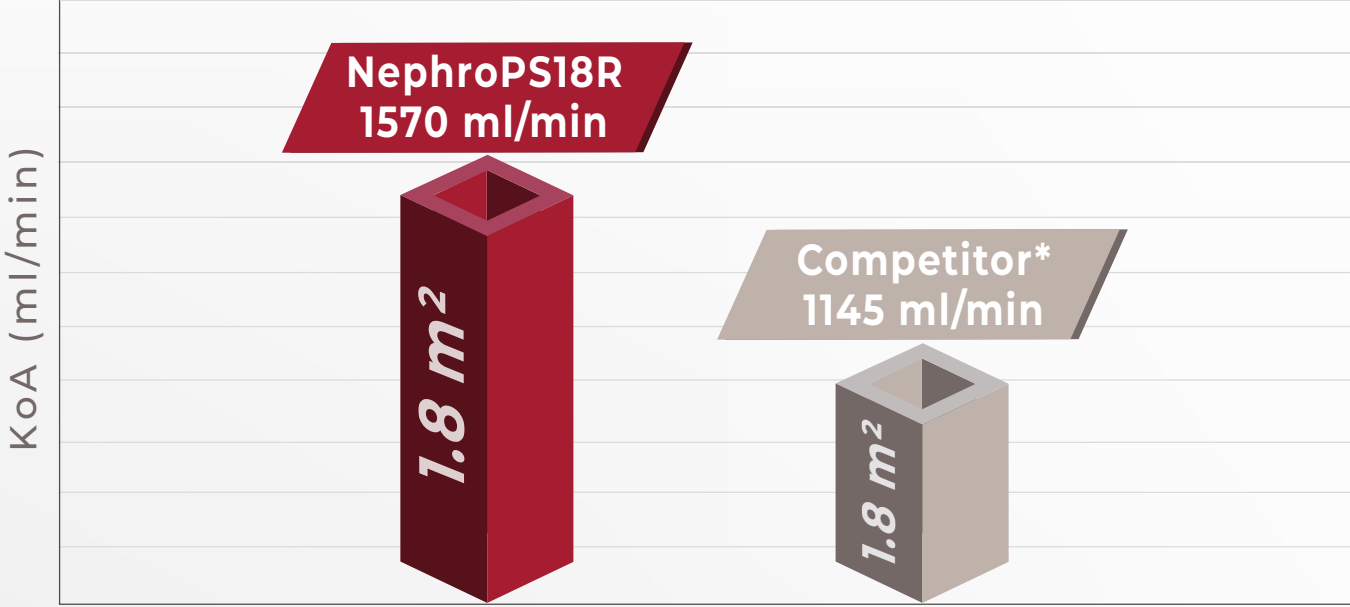


LOW FLUX POLYSULFONE HEMODIALYZER FILTERS

Polysulfone Low Flux Hollow Fiber Hemodialyzer Specifications*									
Sterilized with Gamma Irradiation (R)									
		Blood Flow Rate (mL/min)	Nephro PS10R	Nephro PS13R	Nephro PS14R	Nephro PS16R	Nephro PS18R	Nephro PS20R	Nephro PS22R**
Clearances (mL/min)	Urea	QB= 200	187	195	196	197	198	199	199
		QB= 300	238	250	253	274	284	285	291
	Creatinine	QB= 200	167	180	184	189	189	191	193
		QB= 300	201	223	226	243	265	268	283
	Phosphate	QB= 200	143	153	157	164	174	177	182
		QB= 300	161	182	188	196	215	220	234
	Vitamin B ₁₂	QB= 200	79	93	98	120	139	145	149
		QB= 300	84	100	117	135	156	161	176
	Inulin	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





NephroCan Inc.

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



NephroCan S.r.l.

Via Savoia 78 00198 Roma, Italy
www.NephroCan.com/EU-Rep



Phone:

+1 (604) 922-3110

Fax:

+1 (604) 922-3160

Email:

info@NephroCan.com
sales@NephroCan.com

Website:

www.NephroCan.com

