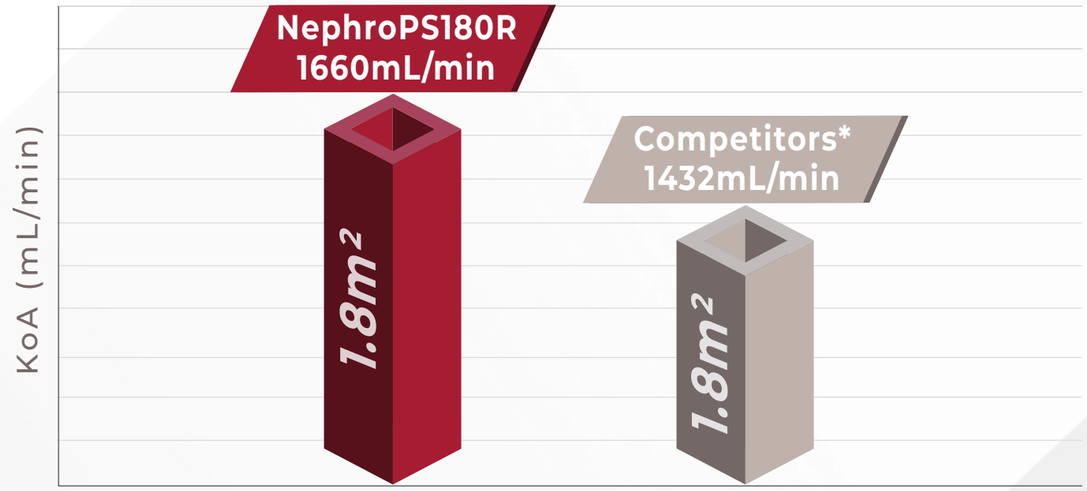
HIGH FLUX POLYSULFONE HEMODIALYZER FILTERS

Polysulfone High Flux Hollow Fiber Hemodialyzer Specifications*												
Sterilized with Gamma Irradiation (R)												
		Blood Flow Rate (mL/min)	Nephro PS100R	Nephro PS130R	Nephro PS140R	**Nephro PS150R	Nephro PS160R	**Nephro PS170R	Nephro PS180R	**Nephro PS190R	Nephro PS200R	Nephro PS220R
Clearances (mL/min)	Urea	QB= 200	190	195	196	197	197	197	198	198	199	199
		QB= 300	258	264	272	278	284	285	286	288	290	293
	Creatinine	QB= 200	173	180	186	189	193	193	194	195	196	198
		QB= 300	217	234	247	257	267	271	276	279	283	291
	Phosphate	QB= 200	160	174	179	183	188	190	192	193	195	196
		QB= 300	199	219	230	239	249	254	259	268	277	288
	Vitamin B_{12}	QB= 200	113	130	139	146	153	157	161	164	168	174
		QB= 300	127	146	159	168	178	184	190	199	208	221
	Inulin	QB= 200	78	93	104	110	117	121	125	128	131	135
		QB= 300	84	103	113	121	130	135	141	146	152	163
Surface Area (m^2)			1.0	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.2
Blood Priming Volume (mL)			59	69	74	82	86	101	105	106	107	116
Ultrafiltration Coefficient (mL/mmHg.hr)			34.6	46.4	50.6	55	59.4	61.5	63.7	69.2	74.6	80.9
KoA (mL/min)			930	1030	1190	1350	1570	1610	1660	1770	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 = 200/300mL/min, QD = 500mL/min, QF = 0mL/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
**In progress
***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 1.8m^2 High Flux Polysulfone membranes
QB = 300mL/min, QD = 500mL/min, QF = 0mL/min
*Specifications and performance based on public data available on average competing hemodialyzers with Polysulfone membranes
QB = 300mL/min, QD = 500mL/min, QF = 0mL/min

NEPHROFILTER CHARACTERISTICS

