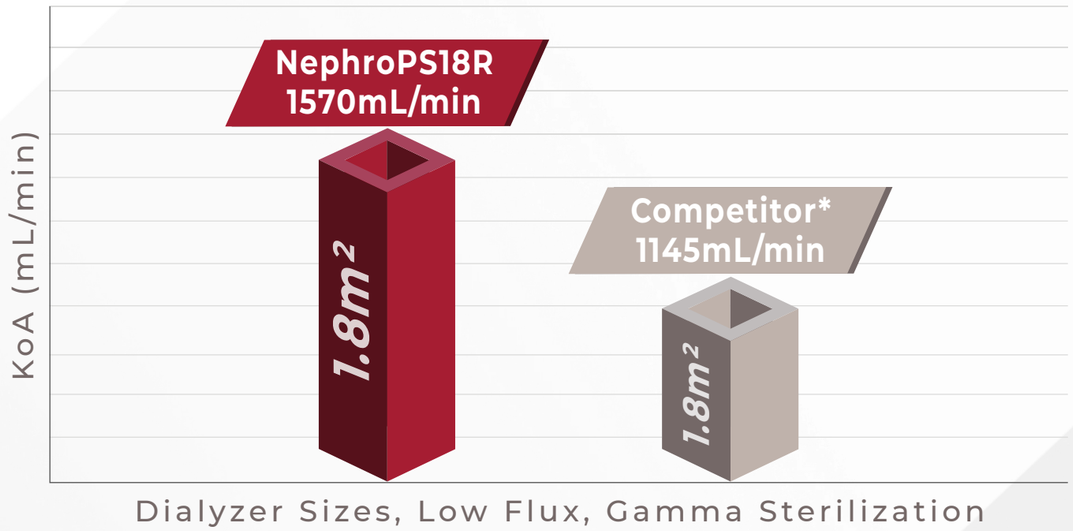
# LOW FLUX POLYSULFONE HEMODIALYZER FILTERS

| Polysulfone Low Flux Hollow Fiber Hemodialyzer Specifications* | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sterilized with Gamma Irradiation (R) | | | | | | | | | | | | |
| | | Blood Flow Rate (mL/min) | Nephro PS10R | Nephro PS13R | Nephro PS14R | **Nephro PS15R | Nephro PS16R | **Nephro PS17R | Nephro PS18R | **Nephro PS19R | Nephro PS20R | Nephro PS22R |
| Clearances (mL/min) | Urea | QB= 200 | 187 | 195 | 196 | 197 | 197 | 198 | 198 | 199 | 199 | 199 |
| | | QB= 300 | 238 | 250 | 253 | 263 | 274 | 279 | 284 | 285 | 285 | 291 |
| | Creatinine | QB= 200 | 167 | 180 | 184 | 186 | 189 | 189 | 189 | 190 | 191 | 193 |
| | | QB= 300 | 201 | 223 | 226 | 234 | 243 | 254 | 265 | 266 | 268 | 283 |
| | Phosphate | QB= 200 | 143 | 153 | 157 | 160 | 164 | 169 | 174 | 175 | 177 | 182 |
| | | QB= 300 | 161 | 182 | 188 | 192 | 196 | 205 | 215 | 217 | 220 | 234 |
| | Vitamin $B_{12}$ | QB= 200 | 79 | 93 | 98 | 108 | 120 | 129 | 139 | 142 | 145 | 149 |
| | | QB= 300 | 84 | 100 | 117 | 126 | 135 | 143 | 156 | 158 | 161 | 176 |
| | Inulin | QB= 200 | - | - | - | - | - | - | - | - | - | - |
| | | QB= 300 | - | - | - | - | - | - | - | - | - | - |
| 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 | 110 |
| Ultrafiltration Coefficient (mL/mmHg.hr) | | | 7.3 | 9.5 | 11.9 | 12.9 | 13.9 | 15.3 | 16.7 | 17.2 | 17.8 | 19.8 |
| KoA (mL/min) | | | 698 | 824 | 977 | 1010 | 1240 | 1380 | 1570 | 1610 | 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 = 200/300mL/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



# REMOVAL OF UREMIC TOXINS IN LOW FLUX DIALYZERS




Specifications and performance based on NephroCan's PS 1.8$m^2$ Low 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

