

Patient driven innovation

Neokidney is brought to patients by Nextkidney, a venture initiated by the Dutch Kidney Foundation with the express purpose of developing a hemodialysis device from the perspective of patients: to increase their autonomy, mobility, control and quality of life.

Neokidney™ is not for sale. Clinical trials are ongoing and CE/FDA approval is pending.

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Scan the QR code
for more information



“The world’s first and only
truly portable
hemodialysis device”

nextkidney.com

Neokidney

Finally,
hemodialysis
made portable



Truly Portable

Compact for use anywhere in your house and on-the-go



Plug & Play

Compatible with all dialyzers and any power outlet with no need for grounding



Easy to use

Detachable touchscreen, intuitive and user-friendly



Sustainable

Sorbent technology driven fluid regeneration minimizes dialysis fluid



Connectivity

WiFi/Bluetooth links for telecare, automated treatment records, and secure cloud data exchange



Low flow therapy

Low controlled flow rates



Freedom. At home and on-the-go.

We have built a hemodialysis device that fits your lifestyle, your personal and professional life, your home, and wherever you may choose to go. It is designed to give you back your freedom, to restore your independence, and to adapt to your world rather than reshape it.



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Neokidney™

Fluid volume

- 4-5 Litres
- Easy handling with low volume fluid bags

Flow rates

- Blood 150-300 ml/min
- Dialysate 300 ml/min

Accessories

- Blood leak detector
- Wireless body weight scale
- Wireless blood pressure measurement

Duration

- Daily 2 hours dialysis (4 to 7 times per week)

Dimensions (mm)/ Weight (kg)

- Collapsed for travel 460 x 350 x 205 (LxDxH) --13kg

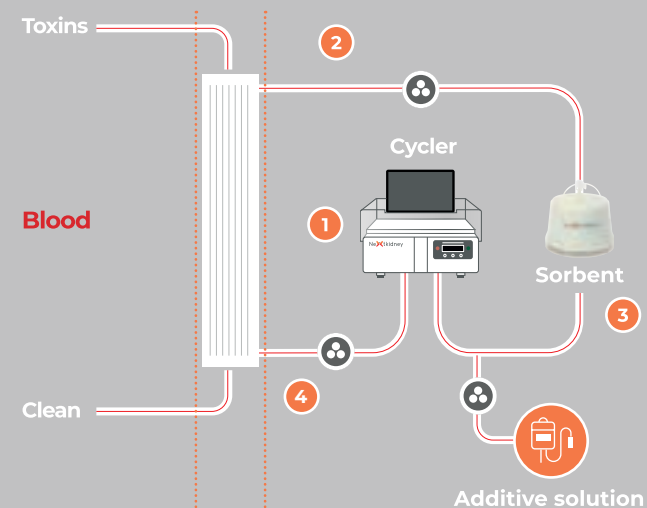
Set up for Dialysis (mm)

- 460 x 350 x 320 (LxDxH)

Sorbent dialysis PRINCIPLE

More than just a water system. Our sorbent system goes beyond conventional purification, regenerating dialysate while managing pH, bicarbonate and sodium for optimal performance.

The system is isotremic, ensuring safe and stable sodium levels throughout treatment. Fully compliant with IEC 60601-2-16 standards, it delivers safe, efficient, and portable dialysate regeneration, anytime anywhere. Dialysate regeneration on the go.



Blood circuit

No difference with conventional dialysis

Dialysate circuit

Continuous regeneration and recirculation of a small volume of dialysate

- 1 Weighing bag
Buffer UF & CO₂ caption
- 2 Spent dialysate
- 3 Purified dialysate
- 4 Regenerated dialysate