

## Nephros Single Stage Ultrafilter (SSU-D)

Filters Water or Bicarbonate Concentrate for use in Hemodialysis Devices

The Nephros Single Stage Ultrafilter (SSU-D) assists in preparing water or bicarbonate concentrate to meet the requirements for the production of ultrapure dialysate according to the ANSI/AAMI 11663:2014 standard. The filter's unique proprietary single-stage design removes bacteria, viruses, endotoxins and other contaminants greater than 5 nanometers, and has an expected life of one year.

### Standard Features

- To be used in conjunction with other water treatment equipment
- Removes bacteria, viruses, endotoxins and other contaminants greater than 5 nm
- Withstands chemical and heat disinfection procedures
- Compatible with Wall Box or Individual RO Installation
- Not made with BPA
- Expected life of one year
- Dialysis Kit for complete and easy installation in various settings
- Carries a 510(k) clearance

## Medical Device



### Technical Data

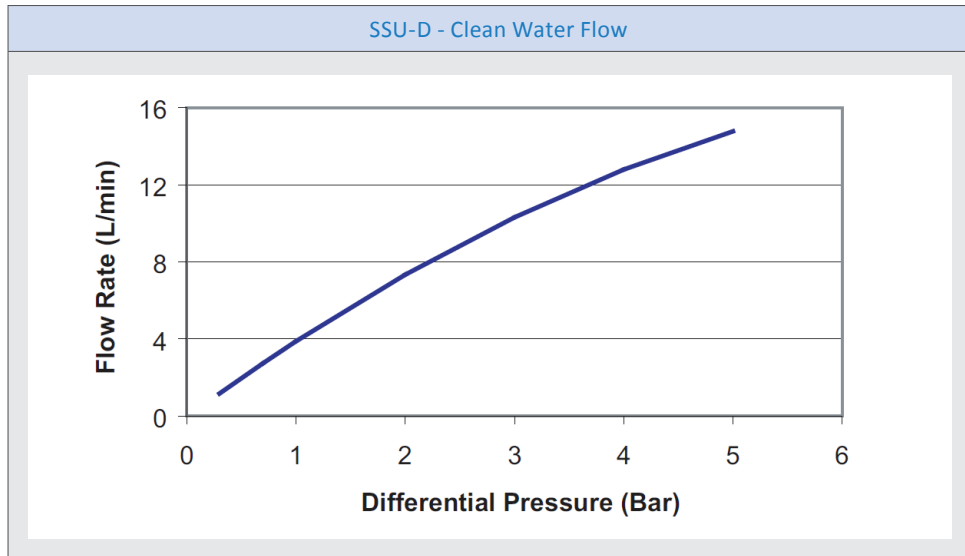
Specifications	Nephros SSU-D
Compatible Disinfection Methods	Chemical, Heat
Max Inlet Pressure	75 psi (5 bar)
Filter Membrane	Medisulfone®
Material	Polysulfone
Pore Size	5 nm
Bacteria Retention	> 10 <sup>11</sup> ( <i>B. diminuta</i> )
Virus Retention	>10 <sup>8</sup> (PhiX-174)
Endotoxin Retention	> 10 <sup>5</sup> EU/ml
Dimensions	7" L x 3" D
Connections	CPC (APC)
Recommended Replacement	1 year

Ordering Information		
Part	Part Number	Description
SSU-D Filter	3029361	Filter Only
Dialysis Install Kit	3029362	Quick connects, Mounting clips and hardware, hose, clamps, check valve, and sample port



## Clean Water Flow

The use of ultrapure dialysate in hemodialysis may result in a decrease in markers of inflammation and oxidative stress, and a decrease in erythropoietin resistance.<sup>1,2</sup> The SSU-D can be used as the last component in the water or bicarbonate concentrate purification process to assist with the delivery of water or bicarbonate concentrate for the production of ultrapure dialysate.



## References

- Sitter T, Bergner A, Schiff H, Dialysate related cytokine induction and response to recombinant human erythropoietin in haemodialysis patients, Neph Dial Trans 2000; 15:1207-1211
- Susantiphong P, Riella C, Jaber BL, Effect of ultrapure dialysate on markers of inflammation, oxidative stress, nutrition and anemia parameters: a meta-analysis, Neph Dial Trans 2013; 28: 438-446

Medisulfone® is a registered trademark of Medica S.p.A.

Nephros Single Stage Ultrafilter (SSU-D) is manufactured by Nephros, Inc.



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