

Nephros Infection Control Water Filters

High-performance protection for healthcare, hospitality, institutional, commercial, and mobile environments

Our infection control filters are FDA 510(k)-cleared Class II medical devices designed for direct installation and point-of-use (POU) protection at outlets such as sinks, showers, and ice machines. These filters treat EPA-quality potable water to meet the elevated standards required.

Contact us for more information

(201) 343-5202

sales@nephros.com

Nephros infection control filters meet or exceed the point-of-use protection recommendations of ASHRAE 514 to support facility water safety.

FDA Class II Filters

POU Microfiltration

- 0.1 micron pore size for effective bacteria retention
- Ideal for immediate response to bacteria-based water events and outbreaks
- Versatile installation applications:
 - Quick, easy installation at sink and shower fixtures
 - In-line installation at sites with reduced water pressure or higher flow-rate requirements such as emergency eyewash stations
- 90-day filter life

S100 Sink Spout / Spray



S100 In-Line



S100 Shower Handheld



POU In-Line Ultrafiltration

- 0.005 micron pore size for effective retention of bacteria, viruses, and endotoxins
- Purifies water suitable for wound cleansing
- Suitable for ligature-free environments
- Ideal for proactive water management
- No filter changeouts required during biological contamination events
- In-line installation at sinks, ice machines, bottle fillers, and other water-dependent equipment
- 90- to 180-day filter life

SSU-H Single Stage



DSU-H Dual Stage



Specifications

	S100 Series ⁽¹⁾	SSU-H	DSU-H
Max Inlet Pressure	75 psi (5 bar)	75 psi (5 bar)	100 psi (6.8 bar)
Material	Polysulfone	Polysulfone	Polysulfone
Pore Size	0.1 micron	0.005 micron	0.005 micron
Bacteria Retention⁽²⁾	>10 ⁹ (B. diminuta)	>10 ¹¹ (B. diminuta)	>10 ¹¹ (B. diminuta)
Endotoxin Retention	N/A	>10 ⁵ (EU/ml)	>10 ⁵ (EU/ml)
Dimensions	Sink: 4" L x 3" D Shower: 4" L x 3" D head + 7" handle In-Line: 7" L x 2.5" D	7" L x 2.5" D	13" L x 2.5" D
Surface Area	Sink / Shower: 0.3 m ² In-Line: 0.5 m ²	0.9 m ²	2.8 m ²
Clean Water Flow Rate	Sink: 1.5 GPM at 50 psi (3.5 bar) ⁽³⁾ Shower: 3.0 GPM at 30 psi (2 bar) In-Line QC: 1.5 GPM at 15 psi (1 bar) In-Line Threaded: 2.5 GPM at 10 psi (0.7 bar)	2.5 GPM at 30 psi (2 bar)	3.0 GPM at 60 psi (4 bar)
Connections	Sink: QC (CPC (PLC)) Shower: Threaded (1/2" NPSM) In-Line: QC (CPC (APC)) In-Line: Threaded (1/2" NPSM)	QC (CPC (APC)) or Threaded (1/2" NPSM)	QC (CPC (APC)) or Threaded (1/2" NPSM)
Replacement Cycle	Up to 3 months	Up to 3 months	Up to 6 months
Filtration Type	Single-stage microfiltration	Single-stage ultrafiltration	Dual-stage ultrafiltration

Filters

70-0280	S100 Sink Spout
70-0281	S100 Sink Spray
70-0282	S100 Shower Handheld
70-0283	SSU-H (QC)
70-0284	SSU-H (1/2" NPS thread)
70-0285	DSU-H (QC)
70-0286	DSU-H (1/2" NPS thread)
70-0288	S100 In-Line (QC)
70-0289	S100 In-Line (1/2" NPS thread)

Install Kits / Accessories

70-0273	Adapter Kit - S100 Sink
70-0275	Adapter Kit - S100 Spray Swivel
70-0290	Install Kit - Ice Machine DSU-H
70-0290J	Install Kit - In-Line, Push-Fit
70-0291	Install Kit - Shower SSU-H
70-0292	Install Kit - Sink DSU-H
70-0293	Disinfection Kit - In-line
70-0297	DSU Filter Cover
70-0345	Drill-Free, C-Clip Anchor Kit
70-0346 ⁽⁴⁾	Install Kit - Bottle Filler / Fountain
70-0347	Install Kit - S100 In-Line QC Sink & Eyewash Station
70-0348	Install Kit - S100 In-Line Threaded Sink & Eyewash Station

Multi-Filter Kits

70-0297F	S100 Set (4 Spout / 4 Handheld)
70-0298F	DSU-H Filter Set & Evaluation (4 DSU)

(1) All S100 filters contain a bacteriostatic additive incorporated into the housing material in order to guard against surface touch contamination. In cases where the external housing of the filters might be subject to heavy surface contamination (e.g. rinsing of used surgical instruments), it is recommended to wipe down the exterior surface of the filters with 1% bleach. Do not remove the filters or immerse them in cleaning solution. (2) S100 and DSU-H filters have been validated by a 3rd-party certified laboratory, in accordance with ASTM F838-20 "Standard Test Method for Determining Bacteria Retention of Membrane Filters Utilized for Liquid Filtration," with total bacteria retention as defined by "Sterilizing Grade" filter. Nephros S100 and DSU-H Validation Reports: NEPH061521 & NEP020422. For additional reference see: FDA "Guidance for Industry: Sterile Drug Products Produced by Aseptic Processing — Current Good Manufacturing Practice," September 2004. (3) Clean water flow rate reduced to 2.5 GPM with use of flow regulator (required for all installations). (4) If you require installation services or any type of assistance, please contact us at customerservice@nephros.com.