

Nephros Infection Control Water Filters

High-performance protection for healthcare, hospitality, institutions, and business

Our in-line and point-of-use water filters purify EPA-quality water to be suitable for drinking, surgical handwashing, and medical equipment cleaning.

Contact us for more information

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FDA Class II Filters

Point-of-Use Filtration

- 0.1 micron pore size
- Quick and easy installation
- Effective barrier for bacteria
- Ideal for immediate response to bacteria-based water events and outbreaks
- Application at sinks and showers
- 90-day filter life

S100 Sink Spout



S100 Sink Spray



S100 Shower Handheld



In-Line Filtration

- 0.005 micron pore size
- Purifies water suitable for wound cleansing
- Suitable for ligature-free environments
- Effective barrier for bacteria, viruses, and endotoxins
- Ideal for proactive water management
- No changeouts necessary during incidents of biological contamination
- Application at sinks, showers, manufacturing/healthcare equipment, and ice machines
- 90- to 180-day filter life

SSU-H Single Stage



DSU-H Dual Stage



Nephros FDA 510(k)-cleared Class II water filters aid in infection control filtration while supporting facility safety and continuity of operations

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) |
| Virus Retention | N/A | >10 ⁸ (PhiX-174) | >10 ⁸ (PhiX-174) |
| 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 | 7" L x 2.5" D | 13" L x 2.5" D |
| Surface Area | 0.3 m ² | 0.9 m ² | 2.8 m ² |
| Clean Water Flow Rate | Sink: 1.5 GPM at 50 psi (3.5 bar) Shower: ⁽³⁾ 3.0 GPM at 30 psi (2 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) | QC (CPC (APC)) or Threaded (1/2 NPSM) | QC (CPC (APC)) or Threaded (1/2 NPSM) |
| Replacement | Up to 3 months | Up to 3 months | Up to 6 months |
| Filtration Type | Single-stage microfiltration | Single-stage ultrafiltration | Dual-stage ultrafiltration |

Our infection control filters provide and maintain efficient flow performance

> *The water permeability of our hollow-fiber membrane is more than double that of other membranes with comparable pore sizes, relative to filter dimensions*

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) |

Install Kits / Accessories

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|---------|---------------------------------|
| 70-0273 | Adapter Kit - S100 Sink |
| 70-0275 | Adapter Kit - S100 Spray Swivel |
| 70-0290 | Install Kit - Ice Machine DSU-H |
| 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 |

Multi-Filter Kits

| | |
|----------|---------------------------------|
| 70-0297F | S100 Set (4 Spout / 4 Handheld) |
| 70-0298F | Ice Machine Evaluation (4 DSU) |
| 70-0299F | SSU / DSU Set (1 SSU / 2 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).