

RENAPURE®

Endotoxin-Retentive Cartridge Filter

GENERAL INFORMATION

Controlling bacteria and endotoxin contamination in a hemodialysis water system is a critical parameter. A final filter is an essential last filtration stage after reverse osmosis (RO) or deionization (DI) bed treatments to ensure any remaining bacteria, endotoxin and particulate matter are removed from the water. The RenaPure endotoxin-retentive cartridge filter is performance engineered to provide exceptional filtration.

Cleared by the FDA as a 510(k) Class II medical device, the RenaPure filter features a positively charged pleated polyethersulfone membrane filter. The positive charge treatment assists in the removal of negatively charged biological impurities such as endotoxins. Manufactured in a controlled environment using an ISO 9001 registered quality system, the filters are integrity tested to ensure they are defect free. All construction materials meet ISO 10993-1 biocompatibility requirements for indirect blood contact.

UNIQUE ADVANTAGES

- Absolute bacterial retention
- Enhanced removal of negatively charged contaminants
- Regulatory compliance and quality assurance
- Robust cartridge construction
- Performance engineered cartridge design
- High-cartridge flow rates



RENAPURE® ENDOTOXIN-RETENTIVE CARTRIDGE FILTER

INTENDED USE

The RenaPure Endotoxin-Retentive Cartridge Filter is intended to remove bacteria, endotoxin and particulate matter from water used for hemodialysis. It is intended for use in dialysis water treatment systems as a final stage of filtration after Reverse Osmosis (RO) or Deionization (DI) treatment to help control bacteria and endotoxin levels in purified water distribution systems. This filter is not intended as a primary means of water purification.

PRODUCT SPECIFICATIONS

Part Numbers	Flat: W3T590100 Fin: W3T590099
Cartridge	Adapter Style: 222 w/ SS Ring x Flat Cap
Pore Size Rating	0.22 Micron
Maximum Flow Rate (GPM)	8 gallons per minute (GPM) per 20" tier

MATERIALS OF CONSTRUCTION

Membrane	Positive charge-modified polyethersulfone
Pleat Support and Drain	Polypropylene
Core, Cage, End Caps and Adapter	Polypropylene
End Cap Reinforcing Ring	Stainless steel
O-rings	Silicone

CARTRIDGE DIMENSIONS

Length	20"
Outer Diameter	2.70"

OPERATING PARAMETERS

Maximum Temperature	92°C (197.6°F)
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OPERATIONAL GUIDELINES

Routine Monitoring The pressure drop across the filter should be monitored regularly. This pressure drop is a key measurement of filter performance. Typical filter pressure drops are low (a few PSI). A pressure drop greater than 15 PSI is unusual and may indicate the filter is clogging and in need of replacement.

Replacement Frequency The RenaPure filter should be replaced every 6 months or whenever the pressure drop across the filter is >15 PSI.

Cleaning/Disinfection Recommendations The RenaPure filter should be disinfected whenever the water distribution system is disinfected.

Hot Water The RenaPure filter is compatible with hot water disinfection systems (periodic hot water flushing of up to 92°C.)

CAUTION: The RenaPure filter is not compatible with peracetic acid (i.e., Minncare® HD Disinfectant), bleach, formaldehyde, or ozone. Exposure to these disinfecting agents may damage the filter membrane and negatively affect filter performance.

CAUTION: Federal Law (USA) restricts this device to sale by, or on the order of a physician. Read instructions for use prior to patient application.



Visit mcpur.com for more information or call 1-800-633-3080

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