

Posiclear™ Capsule Filters

Bacteria & Endotoxin Control For Portable Reverse Osmosis Systems & Dialysis AAMI Water Points of Use.

Control of bacteria and endotoxin contamination in a hemodialysis water system is a critical parameter. Selection of a final filter requires demonstrated endotoxin removal and economical performance. The Posiclear filter is FDA 510(k) cleared and uniquely designed for use on portable and central water treatment applications.

The Posiclear filter is manufactured with a positively charged pleated Nylon 6.6 filter membrane and removes bacteria and endotoxin from the liquid by size exclusion and adsorption mechanisms. To help keep the water system clean, the filter is compatible with hot water (90°C) and peracetic acid disinfection procedures.

Medical Device



Posiclear™ Membrane Advantages

Absolute Bacterial Retention

Reliable 0.2 µm validated performance. Meets FDA definition of 0.2 µm sterilizing grade filter.

Enhanced Removal of Negatively Charged Contaminants

Posiclear is manufactured with a positively charged Nylon 6.6 filter membrane. This feature provides enhanced retention of negatively charged contaminants including bacteria, endotoxins, viruses and nucleic acids.

Regulatory Compliance & Quality Assurances

Posiclear endotoxin filters are 100% integrity tested during manufacture to eliminate possible defects.

Robust Membrane Construction

Pleated membrane design ensures consistent performance to specifications.

Performance Engineered Capsule Design

Polypropylene structural components (end caps, adaptors, inner core and outer cage) are used in the fabrication of Posiclear filter capsules assuring exceptional thermal, mechanical stability and optimal service life.

High Capsule Flow Rates

High pleated surface area offers a high flow rate (up to 2 gpm / capsule).

Technical Data

Posiclear Capsule Filter Specifications	
Part Number	3027589
Capsule	Capsule w/ 2 air bleed connectors
Filter Rating	0.2 µm
Maximum Flow Rate (gpm)	2
Materials of Construction	
Membrane	Charge-modified Nylon 6.6
Membrane Support Layer	Polyester
Pleat Support/Drain Layers	Polypropylene
Core, cage, end caps, and adaptors	Polypropylene
Connections	Sanitary triclamp
O-rings	Silicon O-Ring
Capsule Dimensions	
Length (L)	5" (12.7 cm)
Diameter	4" (10.16 cm)
Filtration Surface Area	3.6ft ² (1.097 m ²)
Operating Parameters	
Max. Temp	219°F (104°C)
Max. Pressure	75 PSI (5.2 kg/cm ²)

Filter Performance

A decrease in flow may indicate that the filter is clogging* or the capsule is air locked**. Typical filter pressure drop is low (a few PSI). Air may accumulate in the capsule and may have to be periodically bleed out.

Replacement frequency

The filter should be replaced if the flowrate noticeably decreases or at least every 6 months. As long as it is flowing, the filter will deliver microbiologically pure fluid. However, it is recommended that one establish a regular maintenance schedule for replacing the filter.

Cleaning/disinfection recommendations

The Posiclear filter should be disinfected whenever the water distribution system is disinfected.

Disinfectant compatibility

Hot water The Posiclear filter is compatible with hot water disinfection systems (periodic hot water flushing of up to 90 degrees C).

Peracetic acid based disinfectants

Disinfect the filter with a 1% to 2% solution of Minncare™.

Total chemical exposure time over the life of the filter should not exceed 60 hours (at maximum strength dilution – 2%).

CAUTION : The Posiclear filter is not compatible with bleach, formaldehyde, or ozone. Exposure to these disinfecting agents may damage the filter membrane and negatively affect filter performance.

* Replace capsule

**Bleed air out of the capsule

™Minncare is a trademark of Minntech Corporation. ™Posiclear is a registered trademark of Gambro Lundia AB.

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.

Connection Configurations



*Capsule not included in kit

3027590

1.5" TC x 3/8" Mono Barb Kit*

(For Millenium RO System)



*Capsule not included in kit

3027591

1.5" TC x 3/8" & 1/4" Colder Connector Kit*

(For WRO 300 H, WRO 300, & Millenium RO Systems)



*Capsule not included in kit

3027772

1.5" TC x 1/4" Mono Barb Kit*

(For WRO 300 & WRO 300 H RO Systems)

* Kit includes 2 Triclamps, 2 Adaptors, 2 O-Rings, 1 Bracket, and 1 Adhesive Pad (not shown), Capsule Sold Separately.



Mar Cor Purification
4450 Township Line Road
Skipack, PA 19474-1429
Tel: (484) 991-0220
Toll Free: (800) 346-0365
Fax: (484) 991-0230

Mar Cor Purification
14550 28th Avenue North
Plymouth, MN 55447
Tel: (484) 991-0220
Toll Free: (800) 633-3080
Fax: (763) 210-3868

Mar Cor Purification
3250 Harvester Road - Unit 6
Burlington, ON L7N 3W9
Tel: (905) 639-7025
Toll Free: (800) 268-5035
Fax: (905) 639-0425

Mar Cor Purification
Sourethweg 11
6422 PC Heerlen
The Netherlands
Tel: (+31) 45 5471 471
Fax: (+31) 45 5429 695

Mar Cor Purification
1A International
Business Park, #05-01
Singapore 609933
Tel: (+65) 6227 9698
Fax: (+65) 6225 6848