

# ENZYMIC FILTER



## Enzymic Microbial Inhibition Filter Series

Mini-Pleat

Separator Type

Medium

HEPA



The **Enzymic Microbial Inhibition Filter Series** from Cambridge sterilizes bacteria in sensitive processes while providing medium (90%) or HEPA (99.97% & 99.99%) level filtration and is an excellent choice for Pharmaceutical, Healthcare, Biotech and Food Processing industries.

### Features:

- Eliminates active bacteria propagation, spore growth and contamination found when traditional HEPA filters are used
- Modified lysozyme enzymes with an extensive sterilization spectrum are molecularly bonded to glass fiber media: No enzymes released by physical impact
- Quickly and effectively inactivates all Gram-Positive bacteria
- Enzymic action dissolves viral envelopes and renders envelope viruses inert (found to be effective for inactivating: Influenza Virus A/B and Parainfluenza Virus)
- Natural enzymes are safe for the environment and human beings
- No electricity or heating required

***At Cambridge... The little things matter.***<sup>TM</sup>

Note: Enzymic filters are not effective in direct inactivation of non-envelope viruses. However, due to the anti-bacterial function of the Enzymic Filter, no host microorganisms can survive on the filtration media surfaces, and viruses are unable to reproduce (effective inactivation).

CAMBRIDGE FILTER CORPORATION

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Enzymic Filters employ modified lysozymes with an extensive sterilization spectrum, thus providing sterilization reliability over a wide range of bacteria. In the **Enzymic Filter's** sterilization process, enzymes fixed on media fibers hydrolyze and break the molecular bonds of bacterial cell walls (glycoside, amido, or peptide). Cell membranes are then ruptured by inner osmotic pressure and the bacteria are destroyed. Bacteria propagation through the filter is eliminated.

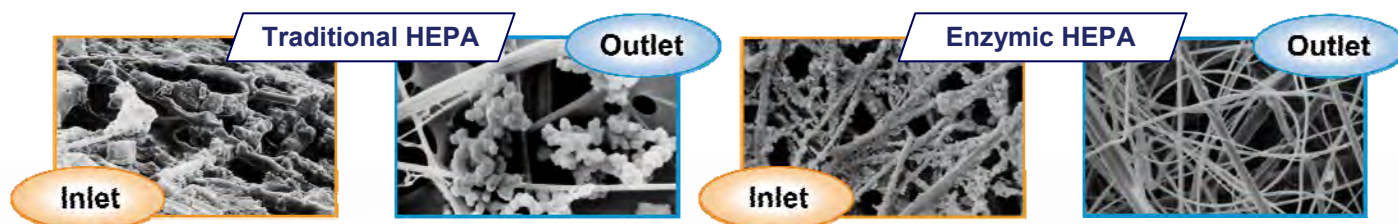


Figure 1.) Actual occurrence of secondary contamination and deterrence at a medical facility.

### Standard Specifications

Classification	Medium / High Efficiency Filter		HEPA Filter	
	Mini-Pleat Type	Separator Type	Mini-Pleat Type	Separator Type
Model Series	N2-9T-□G	N2-CP-□-EA	N1-1T-□□	N1-1□-□ N1-1L□-□
Test Method	JIS B 9908 Light Scattering Integration		0.3µm Test	
Efficiency	90%+		99.97%+ / 99.99%+	

### Component Materials / Usage Specifications

Model	N2-9T-□G	N2-CP-□-EA-□	N1-1T-□□	N1-1□-□	N1-1L□-□	
					EA	EU
Component Materials	Media	Enzyme Embedded Glass Fiber				
	Separator	Hot Melt Resin	Aluminum	Hot Melt Resin	Aluminum	
	Frame	Aluminum + Anodized Aluminum/Clear Acrylic Coating			Stainless Steel	Plywood
	Faceguard	Galvanized Aluminum	* ☺			
	Sealant	Urethane Resin				
	Gasket	Chloroprene				
	Max. Continuous Operation Temp. (°C)	60				
	Usage Specifications	Max. Peak Humidity (% RH at 0 Condensation)		100	90	

\* ☺ = Speak to one of our sales representatives about custom specifications.

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