

PathoGen™ 1

CLEAR PROTECTIVE RESPIRATOR

DESIGNED FOR COMFORT

ENGINEERED TO PROTECT

REUSABLE

Injection Molded Polycarbonate Base

- Optically clear
- Clean, sanitize, reuse
- Scratch and Fog Resistant

Disposable Filter Ring*

N95-rated filter material with simple twist on-off attachment seal, replace without removing respirator.

2 Filter types available:

- Baseline N95 Respirator Filter
- PathoGen™ Filter

Future Filter Types will fit existing respirator frame

Designed for extended use in high-exposure or frequent risk settings, advanced comfort, quick and clean filter replacement.

Engineered to capture and destroy airborne viruses, protection beyond disposable respirators and cloth masks.



PathoGen™ Filter

Layers of metallized circuits intended to attract, capture and destroy pathogens.

Medical Grade Silicone Face Rim

Provides comfortable fit and secure seal to face without fogging glasses.

Small, Medium, Large sizes available based upon NIOSH models.

Fit to Face is critical for protection and proper filtration.



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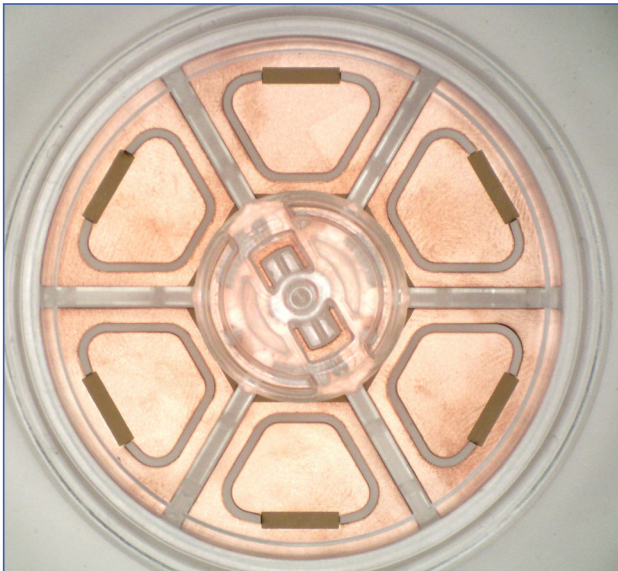
CONTACT: sales@lcp-medical.com

Inside the PathoGen™ Filter

The PathoGen™ Filter is made with embedded precision circuit fabrication technology to drive airflow across large surface areas of pathogen disabling metallization with comfortable breathing.

The surface of the metallization is processed to create micro-fluidic channels that break up and capture any airborne droplets containing pathogens and hold them within the filter.

The proprietary metallization has a special surface treatment and material content that initiates a galvanic chemical reaction upon contact with the moisture droplets, attracting and destroying pathogens and capturing within the particle filtration layers.



PathoGen™ Filter Metallized Circuit layer with micro-fluidic channels ready for pathogen disabling proprietary metallization treatment.

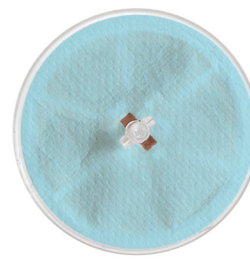
After use, the PathoGen™ Filter is removed from the respirator frame with a simple twist and discarded with the destroyed pathogens trapped within the filter. A fresh PathoGen™ Filter can be installed without removing the respirator.



Face Frame



Baseline N95
Respirator Filter



PathoGen™ Filter
back



PathoGen™ Filter
front

Copper Anti-Pathogen Technology

PathoGen™ Filter contains multiple surface layers of 99.9% pure elemental copper, reported in EPA Reg. No. 82012-1 to eliminate 99.9 percent of SARS-CoV-2, the virus that causes COVID-19. Airflow is directed to encounter copper surfaces during easy breathing, depositing and discharging pathogen bearing moisture droplets, capturing and disabling virus within the filter.

