

**ENVIROGUARD™**



- THE WORLD'S FIRST Standardized and Calibrated  
"FULL BODY PROTECTIVE FILTRATION GARMENT"  
TO PROTECT AGAINST **HEAT BUILD UP** AND DANGEROUS NOXIOUS PARTICULATES
- EXCEPTIONAL COMFORT AND FABRIC STRENGTH WITH SUPERIOR ABRASION RESISTANCE

The first Particle Protective Garment created with amazingly high thru-fabric air flow and calibrated for >99%+ retention of 0.3 micron particulates with an efficiency similar to an N 95 Respirator.

## **BODY FILTER 95+™ - BREAKTHRU PARTICLE PROTECTION** **THE NEW STANDARD IN PARTICLE PROTECTION WITH COMFORT**

Enviroguard™ Body Filter 95+™ is an exciting development in particulate protection which incorporates the highest quality in electrostatically charged filter media into a superior filtration system. Exceptional abrasion resistance is provided by a unique apertured molded hard plastic polymer grid on the surface. An interior silky smooth skin contact surface wicks moisture away from the body.

INTERNATIONAL  
**ENVIROGUARD™**  
[int-enviroguard.com](http://int-enviroguard.com)

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**Distributed By:**

Introduces a new level in  
comfort for protection for  
particulate matter in the  
range of 0.3 microns

REV01122010

# BODY FILTER 95+™

## BREAKTHRU PARTICLE PROTECTION

A **"True Full Body Filtration Garment"** as compared to other simple commodity disposable fabrics or Calendared Polyolefin Garments.

ENVIROGUARD™ BODYFILTER 95+™ introduces a new level in comfort for protection for particulate matter in the range of 0.3 microns by incorporating highly efficient filtration media as used in NIOSH 95 rated Respiratory Filtration.

....A new level in demonstrable protection and comfort

	Air Permeability* (cfm) @ 20Pa	Pressure Drop**	Penetration** (%)
The Body Filter 95+™	8.65	0.22	0.0548

\* Tested on Textest in accordance with ASTM D737 (20 Pa)

\*\* Tested on TSI 8130 at a flow rate of 2.3 liters/min, 100cm<sup>2</sup> filter area using a sodium chloride aerosol having a mean particle size of 0.3 microns

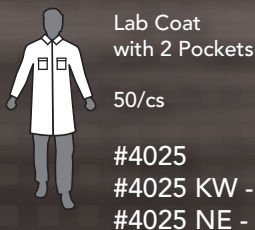
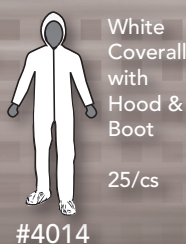
- Assured removal of 0.3 micron particles rated far above 95%.
- More than 120 times air flow permeability when compared to the Calendared Polyolefin Fabric.
- Exceptional fabric strength with superior abrasion resistance

Typical particulate size measurement for dangerous and noxious materials

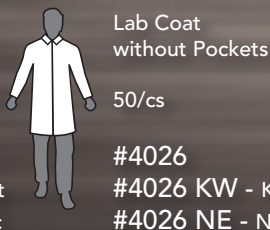
Bromine	: 0.1- 0.7
Carbon Black	: 0.2 – 0.9
Asbestos	: 0.3 – 100

( Source: Relative Particle Size Chart , fig.1.3, NAFA Guide to Air Filtration )

## AVAILABLE GARMENTS



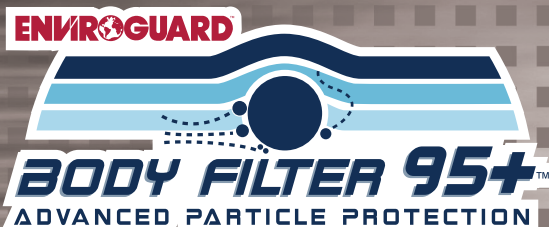
#4025 KW - Knit Wrist  
#4025 NE - No Elastic



#4026 KW - Knit Wrist  
#4026 NE - No Elastic



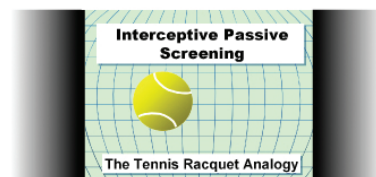
#4100 - Vinyl Sole



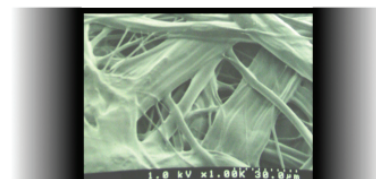
### Enviroguard™ BODY FILTER 95+™

How it works...and...Why it works best!

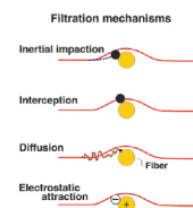
#### 1. The First Generation Protective Screening Approach:



The "First Generation Approach" in The Calendared Polyolefin Fabric relies upon a 30 year old process for bonding calendared polyolefin fibers in mostly two dimensions. It acts primarily by Interception of 0.3 micron and larger particles. It can be readily understood that with target interception of particles of this size, in the range of bacteria, extremely small pores are required where almost no air passage for comfort can occur in normal use. It is almost like a plastic bag with extremely tiny holes. The Electron Micrograph below shows extremely tiny screen-like pores in the Calendared Polyolefin Fabric. The smaller the pores to meet the removal rating, the poorer the air flow and comfort.



#### 2. The Body Filter 95+™ has a Standardized and Calibrated High-Tech 0.3 micron rated Electrostatically Charged Filtration "Core" with High Air Flow Rate that removes critical particulates several ways.



It offers an extremely efficient particulate removal capability which can be verified by Standard Test Methods (TSI 8130) to be similar in efficiency as measured at a flow rate of 2.3 L/Min as in a NIOSH 95 Respiratory Filter.