



# SafeVac<sup>patented</sup>

SAFE NUCLEAR & HAZ MAT VACUUM SYSTEMS

[www.safevac.net](http://www.safevac.net)

**C**leaning up hazardous and nuclear materials is simple, safe, and effective with Inventure Laboratories' SafeVac systems.

## Three-step separation maximizes operator safety and productivity

SafeVac utilizes a unique three-step collection method which has an efficiency rating of 99.999% on particles down to 0.12  $\mu\text{m}$ .

- Step 1** Cyclonic separation with up to 95% efficiency on particles 0.2  $\mu\text{m}$  and larger.\*
- Step 2** HEPA filter with 99.97% efficiency at 0.3  $\mu\text{m}$ .
- Step 3** ULPA exhaust filter with 99.999% efficiency at 0.12  $\mu\text{m}$ .



SafeVac system is the best all-around solution for hazardous and nuclear cleanup.

## Standard features & benefits

- ☀ Designed for use with radioactive materials and other haz mats
- ☀ Stainless steel construction ensures easy decontamination
- ☀ 5 inch diameter cyclone separator
- ☀ Industrial quality 87-cfm pump produces 102 inches of water column vacuum
- ☀ 3-step particle separation/collection extends life of filter elements
- ☀ Translucent plastic collection bottle gives user a visual indication of operation
- ☀ Laser certified ULPA final filtration is 99.999% efficient at 0.12  $\mu\text{m}$
- ☀ 110-120V, single phase electrical with 30-foot grounded cord
- ☀ Stable, wheeled cart, to help ease transport and meet criticality spacing requirements
- ☀ Maximum 59 dB(A) at 6.5 feet for whisper quiet operation
- ☀ Conductive plastic hose and accessories provide ESD protection

## Optional features

- ☀ Scalable technology allows for much larger systems
- ☀ Systems custom designed for other specific radioactive or contaminated compounds
- ☀ Systems for use with gloveboxes, isolators, or environmental enclosures
- ☀ Explosion proof electrical components
- ☀ Custom-designed and manufactured systems to meet your critical requirements

## SafeVac: Designed to ALARA principles

Traditional industrial cleanup tools for hazardous and nuclear materials can result in unsatisfactory worker exposure. SafeVac, specifically engineered to ALARA principles, is *the* solution:

- Maximize operator safety.
- Minimize maintenance.
- Minimize secondary waste generation.
- Eliminate nuclear criticality concerns.

The cyclonic separator precipitates sub-micron particles and greater\* into a rigid, translucent container for ease of reclamation or disposal—translucent to allow the operator to monitor fill levels. Maintenance of the system is greatly reduced over traditional vacuums because up to 95% of particles are removed from the air stream before reaching the two progressively finer exhaust filters. These filters eliminate contamination of the vacuum motor and potential reintroduction of material into the work environment. Inventure Laboratories' patented SafeVac is designed to be the safest, most efficient, and most durable tool for the cleanup of hazardous and nuclear materials.

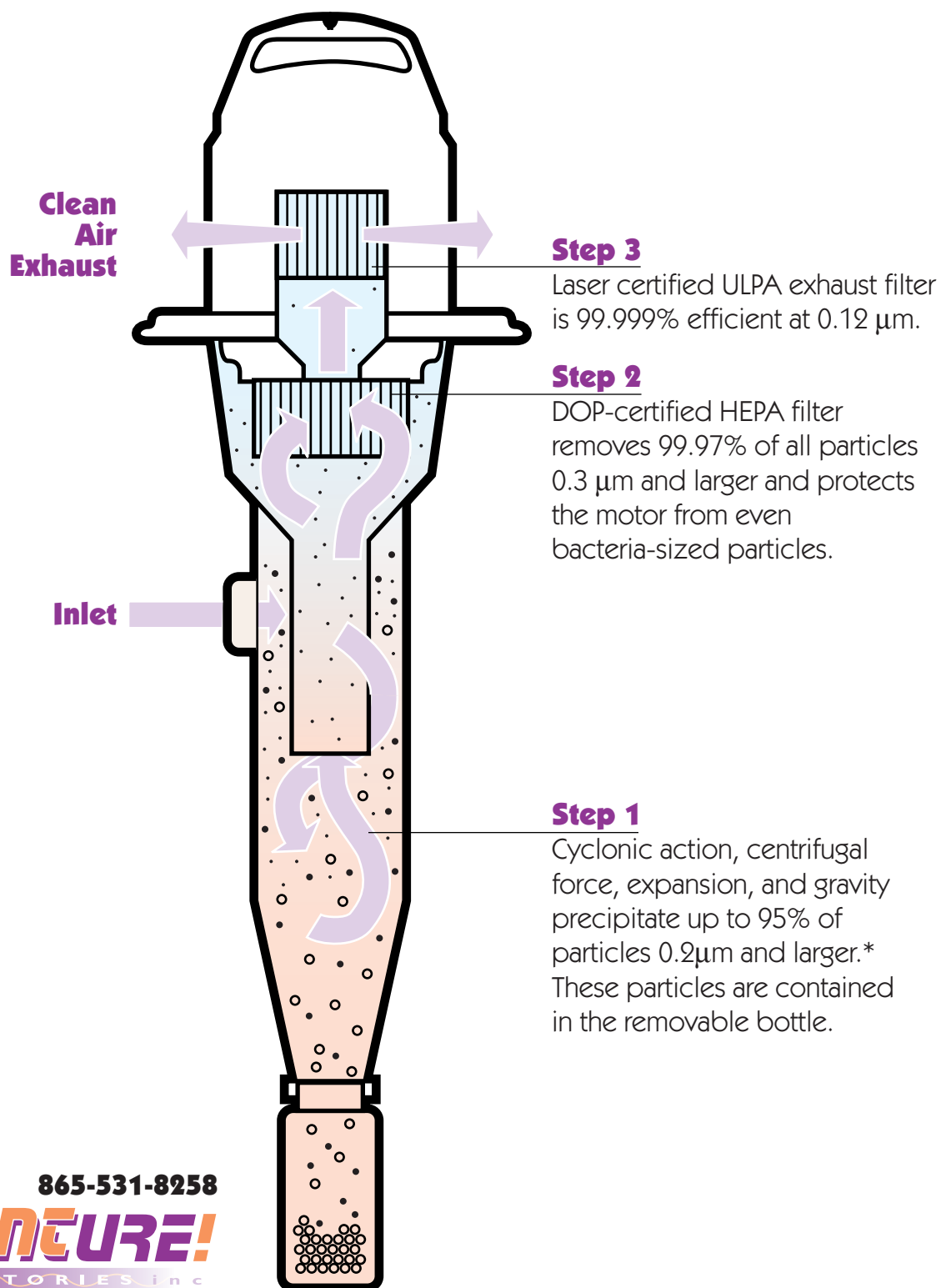
**INVENTURE!**  
LABORATORIES inc

Tel: (865) 531-8258 · Fax: (865) 531-9273 · [www.safevac.net](http://www.safevac.net) · P.O. Box 30457 · Knoxville, TN 37930-0457

\*Verified by independent lab test. For information, contact us. Copyright 2001-2004, Inventure Laboratories, Inc. Specifications are subject to change.

# SafeVac: Patented highly-efficient removal of hazardous and nuclear material

Three-step, progressively finer particle removal protects and prolongs the life of the most important filter, the exhaust filter. A maintained clean exhaust filter ensures that contaminated material does not enter into the work environment.



865-531-8258

**INVENTURE!**  
LABORATORIES inc