

# HOW FRESH IS THE AIR IN YOUR HOME?

Today's demanding lifestyles mean that people spend 60-90% of their time indoors. The air inside even the "cleanest" home is loaded with millions of invisible pollutants that may be causing adverse health effects. More than 38 million Americans exhibit some sort of allergy or respiratory problem day in and day out.

Harmful particles caused by seemingly harmless and necessary items such as building materials, cleaning products, pets, home office machines and appliances, are continually recirculating throughout your heating and ventilating system, affecting your indoor air quality. These pollutants if not diluted, can build up to proportions that would be considered illegal in the atmosphere. Today's energy efficient homes are so well insulated and "tightened" that previous dilution by outside air has been virtually eliminated.

Electrostatic air filtration is a permanent, cost-effective way to significantly improve the quality of your air. Permatron's DustEater® electrostatic air filter has been proven effective for over twenty years. By simply installing a DustEater and recirculating air through your HVAC system, you'll drastically reduce the number of irritating airborne contaminants that contribute to respiratory difficulties and deprive you and your family of a healthy home environment.

The DustEater is proven in independent laboratory testing to provide highly efficient system-wide air filtration with low resistance to air flow. Our filter is available in two models to meet your system requirements. DustEater, the ultimate allergy relief filter, contains an added layer of non-woven polyester for maximum arrestance efficiency. DustEater Easy Flow is ideal for heat pumps, sensitive 90+ furnaces and older systems with limited air flow.

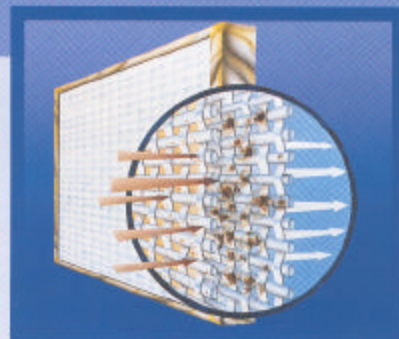


**DUST EATER®**

High Efficiency  
Electrostatic Air Filter  
from Permatron

# EXCLUSIVE ACCUMULATOR CHAMBER® FOR MAXIMUM EFFICIENCIES

The DustEater utilizes two electrostatically charged fabric panels separated by our unique ACCUMULATOR CHAMBER to produce a very effective three stage filtration process. The first DustEater media panel (prefilter) attracts and holds airborne particulates. The filter fabric's inherent electrostatic charge enhances filtration by drawing particulates onto fiber surfaces like iron filings onto a magnet. Static electricity, being static, does not flow like electrical current, and therefore does not discharge over time or require either grounding or insulation. The 3-dimensional weave of the polypropylene fabric contributes to the filter's high dust holding capacity. When particulates build up on the prefilter, air flow causes them to break off and be swept into the ACCUMULATOR CHAMBER, where turbulence and electrostatic forces cause agglomeration into even larger particulates. These agglomerated particulates are too large to pass through the second panel (afterfilter). Finally, the afterfilter attracts and holds the smaller particulates that may have escaped the prefilter, or do not respond to an electrostatic charge.



COMMON AIRBORNE CONTAMINANTS		
Visible with electron microscope	Visible with microscope	Visible with unaided eye
Viruses	Household Dust Tobacco Smoke	Fibres Wool Spores
	Industrial Dust Asbestos Bacteria Oil & Cooking Smoke Skin Flakes	Standard Disposable Animal & Human Hair (Dander)
Fungi	Fungi Spores	Pine Spores Algae Spores Fabric Lints Paper Dust

The DustEater is significantly more efficient than standard throw away filters that trap only very large particles. Not only are these filters less efficient but they tend to clog, restricting air flow which results in increased heating/cooling costs. Plus, DustEater is environmentally friendly with no disposable parts, system modifications or electrical hookups.

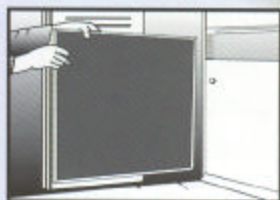
## DUST EATER®

Designed for ultimate allergy relief.

## DUST EATER® Easy Flow

Designed for low air flow systems.

91%	<b>Average Arrestance Efficiency</b>	82%
0.16" w.g.	<b>Initial Resistance @300 FPM (1200 CFM) air flow</b>	0.11" w.g.
160 grams	<b>Dust Holding Capacity</b>	105 grams
✓	<b>Stainless Steel Frame and Wire Supports</b>	✓
✓	<b>Anti-microbial polymeric protection</b>	✓
Class 2	<b>U/L Classification</b>	Class 2



Standard and custom sizes are available to fit any furnace. Install DUSTEATER by simply removing your existing disposable filter and sliding in your permanent new air filter. Furnaces with hammock style filter racks can be adapted easily. Check the system requirements for pressure drop/air velocity restrictions.



Clean monthly by rinsing DUSTEATER with running water. Particles in the ACCUMULATOR CHAMBER as well as on the electrostatic panels wash out easily through the drainage ports. For tough dirt and grease, use a mild detergent and rinse thoroughly with warm water.

### LIFETIME WARRANTY

Permatron takes pride in the quality and workmanship of our products. All are built to give years of trouble-free service. Any filter found to be defective in workmanship or materials, when returned to Permatron shipping charges prepaid, will be repaired or replaced without charge. The warranty period begins from the date of purchase and does not cover damage caused by excessive heat, disassembly, rough handling or improper installation. DO NOT take the unit apart for cleaning, as this is unnecessary. With proper care and regular cleaning, your Permatron filter should last many years. Permatron Corporation makes no medical or health claims other than that the filter will effectively remove particles from the air. 1-800-882-8012

### ANTI-MICROBIAL POLYMERIC PROTECTION

For maximum safety against bacteria, yeast and fungi growth on filter surface, anti-microbial additive is embedded into the molecular structure of the filter's electrostatic media. Long lasting, water insoluble, environmentally-friendly, anti-microbial is registered with the U.S. EPA and proven safe for contact with human skin. The additive is incorporated into the media as it is produced and will not be removed by vigorous cleaning. The filter surface is engineered to remain anti-microbial for the life of the product.



Air Filter Units Classified By Underwriters Laboratories Inc.®  
As to Flammability Only Class 2 655 U

## PERMATRON®

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