

When it Comes to Keeping
Data Centers Cool and
Business Costs Down—

THERE'S ONLY 1 PERMATRON

PERMATRON[®]

PERMATRON PROTECTS DATA CENTERS AND KEEPS THEM PROFITABLE

Data Center cooling costs can be crippling. In the U.S. alone, data centers use more energy than 6.4 million average American homes, and half of all that data center electricity goes toward cooling their IT equipment.

Permatron air filtration solutions make a difference. We slash utility bills, increase the lifespan of HVAC equipment, and cut maintenance time and costs. We recently helped one data center decrease their cooling tower strainer cleaning costs by 70%. And the cost savings from protecting computer equipment can be even greater. With improved and cleaner air flow, our filters reduce circuitry corrosion in circuit boards and reduce hot spots, keeping equipment from overheating. Cleaner air also improves the health of working staff.

IMPROVING AIR FILTRATION OUTSIDE AND IN

We improve HVAC performance with a variety of filtration products—all made in the U.S.A.

PreVent® Air Intake Filter System

Because data centers are often located in large open spaces and surrounded by trees and nature, their rooftop HVAC equipment is highly vulnerable to debris, bugs, leaves and dust. Cottonwood in particular can be a problem. Unfortunately, cleaning HVAC units can be time-consuming and difficult. They may be hard to get to, be far away from a water supply and are easily damaged unless cleaned by a professional. The answer to this problem is simple: PreVent air intake filters. PreVent air intake filters are mounted outside the HVAC unit or cooling tower, keeping dirt away from coils, or fill material and keeping interior air filters cleaner and lasting longer.

Reduces downtime by stopping debris before it enters your system

Lowers maintenance costs by reducing or eliminating traditional coil cleaning

Lowers energy bills by optimizing airflow and efficiency of your clean units

Reduces capital expenses by extending the life of your units due to HVAC failure

Customized to fit over any size air intake opening

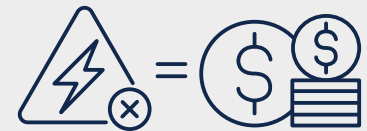
UV-protected to stand up to extreme outdoor exposure

Installed in minutes (and removed in seconds) with our patented MagnaMount® earth magnet fasteners

ROI in 1-2 years

Low resistance to air flow

Five-year warranty



DID YOU KNOW?

The average cost to a data center from a single power outage in downtime alone is nearly \$700,000.

Keeping equipment performing smoothly, without excess power disruption, can save a data center operator millions of dollars a year.





Outside Protection: PreVent® Keeps Outside Contaminants From Getting In

Chillers

Protects coils, reducing or eliminating traditional chemical coil cleaning while improving efficiency and reducing utility costs.

Dry Coolers

Reduces the need for time-consuming coil cleaning in hard to reach or tight working areas. PreVent air intake filters, in comparison, can simply be brushed clean.

Cooling Towers

When wet cottonwood forms a tough, paste-like material. Cleaning it means unit downtime and excess labor. PreVent eliminates cottonwood from getting into fill material and strainers.

Fresh Air Intakes

Provides the first line of defense for plain metal mesh and pleated filters. PreVent air intake filters can extend the life of pleats 2-3x by capturing larger particles before they reach high efficiency filters.

PreVent® Model PF: The Better Prefilter

Take a step up from your common, hard-to-clean metal mesh filter, and keep your fresh air or makeup air unit's intake running cleaner with our Model PF panel filter. This galvanized steel-framed air intake protection prefilter takes filtration to a whole new level. It simply slides into your existing rack system, where it protects your costly interior bag, pleated and V-bank style air filters. The front panel has two layers of black UV-protected polypropylene with wire support—the electrostatic material captures airborne contaminants like dust, dirt and debris. The back panel is a heavy wire mesh, providing rigidity for filter banks with outside exposure before they enter your equipment. Model PF extends the life of your equipment, reducing maintenance, filter changeout and cleaning costs, and shrinking utility bills.

Superior prefilter, fits existing filter rack systems

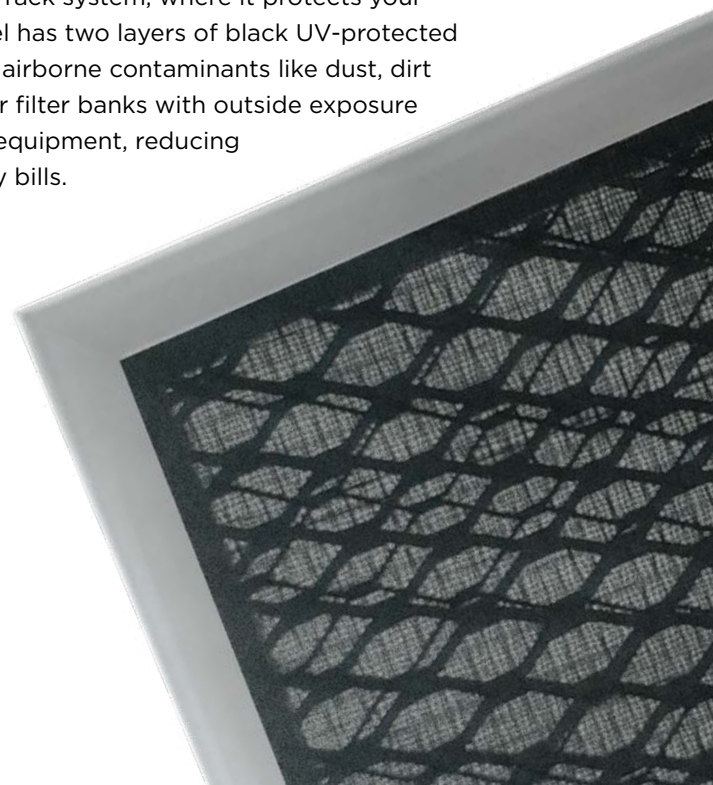
Stands up to outdoor exposure, corrosive chemicals, high velocity air flow and industrial cleaning and maintenance

Easier to clean than metal mesh

Two-layer filter media construction

Encased in a durable, steel frame with multiple thickness options

Five-year warranty





#1 FOR DATA CENTER FILTRATION SOLUTIONS

Permatron filtration products can be found coast-to-coast in some of the world's largest data centers, and in Fortune 500 companies, hospitals, schools, high-rises and anywhere that air quality impacts the health and performance of people and equipment.

With more than 60 years of experience in designing and manufacturing customized filtration solutions, we've seen it all. We've done it all. And Permatron continues to be the unquestioned leader in filtration performance, cost, options and support.

Visit permatron.com and see why there is only one Permatron

**For more information about
the PreVent® Air Intake System
visit permatron.com/prevent**

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PERMATRON®

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FILTRATION | a part of the Rensa Filtration
family of companies