



Industrial Filtration Systems

Delivering Dust, Mist, and Fume Collection Equipment and Kitchen Emissions Systems



ENGINEERING YOUR SUCCESS.



Your Clean Air Solutions Provider

SmogHog® and DustHog® are now part of Parker Hannifin, a Fortune 250 global leader in motion and control technologies. For 100 years the company has engineered the success of its customers in a wide range of diversified industrial and aerospace markets. Parker's engineering expertise and a broad range of core technologies uniquely position the company to help solve the world's greatest engineering challenges.

Our commitment to you is demonstrated by our continuous investment in research, leading-edge technology, and a passion for building high-performance products proven to deliver results. We provide clean air solutions that protect your employee's, help you remain compliant, improve plant performance and enable you to realize your operating goals for five decades.

Dust, Fume, and Mist Collection, and Commercial Kitchen Emissions, we have the most comprehensive expertise to engineer air filtration solutions, not just products. Clean air. It's what we do.®

Our air pollution control experts, our representatives and our worldwide network of experienced professionals can assist you in determining which air cleaning equipment, filter technology, accessories, and designs best fit your unique needs and objectives. We also have a team of customer service specialists, and application engineers who are ready to answer questions before, during, and after your system is installed.

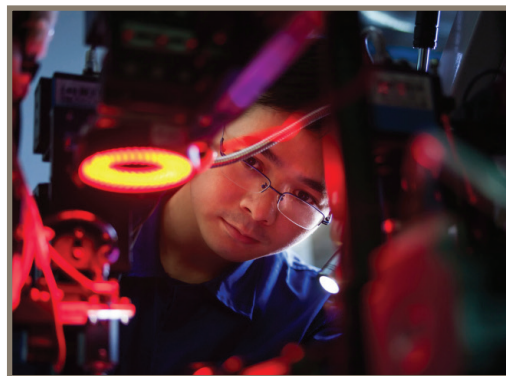


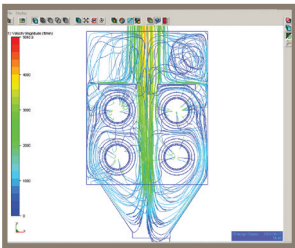
Choosing the Right System and Expertise for Your Operation

Just about every industrial process generates airborne pollutants in the form of dry particles, fumes, vapors, or mists. These contaminants are often toxic and, if not properly controlled, can lead to an unsafe work environment or pollution in our environment. It is critical to select an air filtration system and manufacturer with the experience to solve your company's specific air quality issues effectively. Learn what we can do to help you solve your airborne pollutants issues.

Quality and Performance Tested

You can trust that our products will perform reliably. Quality begins within our product development processes where our scientists and engineers study the behavior of dust and mist contaminants in our on-site laboratories before the team develops effective removal technologies. Our equipment and filters are manufactured to the highest standards with ISO 9001:2008 certification and 3rd party certified performance testing. We provide quality products and solutions that you can depend on to meet your air pollution control needs.





Advanced Engineering Technology

Parker Hannifin engineers have access to the latest computer tools in the industry to assist in the design and applications of our high-quality air cleaning systems. Programs like Finite Element Analysis (FEA) allow us to verify the structural integrity of our products and Computational Fluid Dynamics (CFD) provides detailed airflow and particle behavior, so we can evaluate and fine-tune the functionality and operation of our equipment before a unit is built. The benefit is optimized product performance, maximized filter efficiency, increased filter life, and a reduction in total operating costs.

Commitment to Research

As the recognized leader in industrial and commercial air filtration solutions, we continually develop the most advanced filtration technology available. ProTura[®] DustHog[®] (DH) nanofiber and BHA[®] Preveil[®] membrane technology deliver improved performance to our dust collection family. Our PEACH[®] saturated depth coalescing media and our best-in-class electrostatic precipitators (ESP) solve the most difficult mist and fume collection challenges. We commit to research and will continue to invest and discover new technologies that solve virtually any industrial or kitchen emissions challenge your company may be facing.

Customized, Integrated Solutions

For specialized needs, our engineering team can customize equipment and systems to fit your unique application. We have a long history of tailoring our solutions to meet specific requirements and capacity restrictions. Contact us today if you require a specialized solution.

Put Clean Air to Work for You

Cleaner factory air can provide many advantages including improved workplace safety and employee health, decreased housekeeping and maintenance costs, compliance with increasingly stringent OSHA and EPA standards, and overall better product quality. We offer a breadth of effective products to ensure you get the right solution for your operation.

Our knowledgeable representatives are ready to work with you to recommend the best air cleaning products to fit your application—no matter how complex it may seem.



The Most Effective in Removal of Mist and Smoke

SmogHog[®] mist collectors are among the most effective and efficient in the removal of mist and smoke for customers in the metalworking industry.

We are excited to share the new technology we have incorporated into the SmogHog product line. We now offer both Electrostatic Precipitators (ESP) technology and coalescing media filtration technologies. Different processes and fluids create a variety of contaminants and challenges. It is imperative that the right technology is applied to achieve a solution that is both effective and efficient. Our application engineers will ensure you receive the solution that is right for your application. We don't force fit customers to our products, we let the plant objectives and application needs drive us to the right solution.

Technical Superiority in Both Solutions

Coalescing Media Filtration. We feature PEACH[®] saturated depth coalescing Media that was engineered specifically to capture oil mist and coolant contaminants. The media provides an open 3-D depth matrix structure that allows liquids to saturate the media depth and then drain with gravity, all while maintaining a low differential pressure. Search 'SmogHog SHM' on YouTube to watch the coalescing media video.

ESP Technology. We were the first company to employ ESP technology to collect wet pollutants from industrial manufacturing processes. No other electrostatic unit on the market can match a SmogHog in efficiency, effectiveness and long-term cost savings for the collection of oil smoke and coolant mist. SmogHog mist collectors are available in a variety of sizes and versatile configurations to fit your company's needs. Depending on your application, systems can be ducted, unducted, hung from the ceiling, machine-mounted, portable, and even installed outdoors!



SmogHog SHM Floor Units



Dust Collection for Nearly Any Application

We have high-quality, precision-engineered dust collectors to meet the needs of virtually any application. Energy efficient and maintenance-friendly, our dust collection units come standard with features like QuickSeal release doors and Cam-action locking bars for quick and easy filter changes, pressure gauges that indicate when cartridges need to be changed, and lightweight, easy-to-remove dust drawers. We have also developed a patented pulse cleaning technology, which maximizes the cleaning power and energy delivered to cartridge filters, providing complete surface cleaning and assuring years of dependable performance.

Upon evaluating the characteristics and concentration levels of airborne dust at your job site, our highly qualified applications engineers and authorized representatives I can help you properly select the size and type of air cleaning system that will provide the best air quality solution. We have a product portfolio that covers all types of application needs, and we also customize solutions to meet your unique needs when the turn-key equipment isn't the right fit.

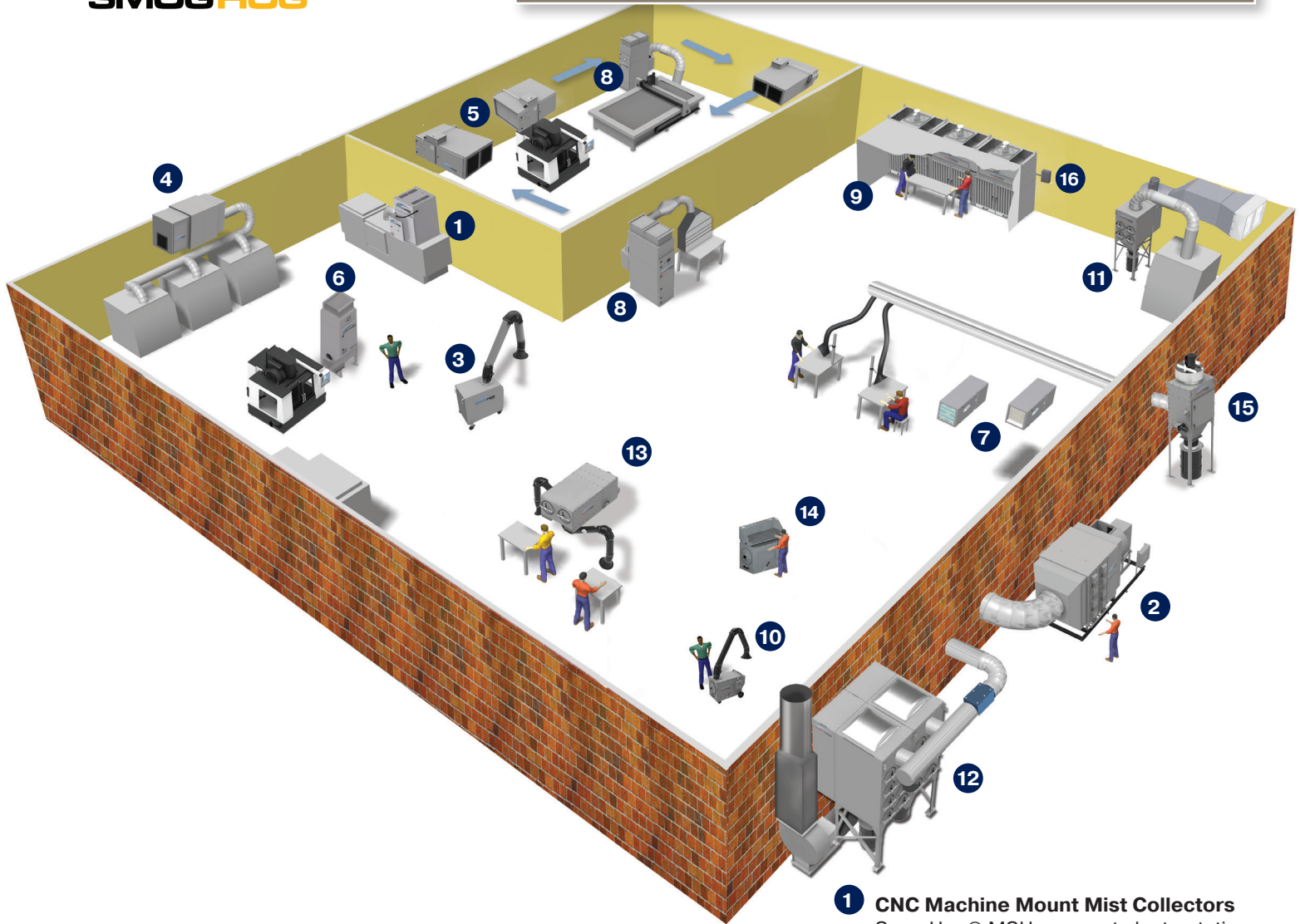
Meeting Your Filtration Needs

We have custom specifications for our complete line of high-performance replacement filters, including ProTura[®] DustHog (DH) nanofiber cartridge filters, that are compatible with virtually every major brand of industrial air cleaning equipment. Available in a wide range of media blends and sizes, these superior filters effectively perform in the most rugged industrial environments and provide efficiency up to 99.999%.

We are at the forefront of technology and innovation; we develop and manufacture proprietary filter media technologies using our advanced research capabilities to ensure the latest developments are in our filters. Our engineers study the full solution, designing and testing to ensure the filter media, product construction, and filter cleaning technology found in the equipment are optimized to work in tandem, leveraging the features and technology of each to ensure the final solution delivers the best possible dust collection remedy.



DustHog PNP



Applications

Our floor plan shows many of our products used in a variety of industrial applications. All systems can be customized to meet your company's individualized air quality needs.

1 CNC Machine Mount Mist Collectors
SmogHog® MSH compact electrostatic collectors capture smoke at the point of generation and offer flexibility in your plant. Filters that deliver longer filter life feature PEACH® saturated depth coalescing media technology with ultra-high efficiency mist particle filtration removing over 99% of contaminants. Optional connection and mounting accessories, an advanced touchscreen controller, and 95% DOP or HEPA after filters with airflow capacities ranging from 300 to 1,500 CFM are available.

2 Central System Mist Collector
SmogHog PSG Series are electrostatic units designed with modular construction to allow collection from multiple sources, indoors or outside. Units offer the highest efficiency levels in emission collection and automatic wash systems with the ability to handle airflow ranging from 750 CFM to 40,000 CFM.

- 3 Portable Mist Collector**
SmogHog PCN self-contained, two-stage, electrostatic precipitator designed for oily welding fume and metal oxide fume applications and provides airflow up to 1,000 CFM.
- 4 Ceiling Mount Mist Collector**
SmogHog SGN electrostatic precipitators collect high-volume oil smoke and coolant emissions at the source via a ducted system or can provide ambient filtration and are equipped for airflow capacities ranging from 2,200 to 9,000 CFM.
- 5 Ceiling Mount Mist Collector**
SmogHog SHN uses electrostatic precipitator technology to capture oil smoke and mist particles at the source via ducting or can provide ambient filtration and handle airflows from 1,000 to 5,200 CFM.
- 6 Media Mist Collector**
SmogHog SHM featuring PEACH[®] saturated depth coalescing technology with ultra high efficiency mist particle separation and filtration is a self-contained mist collector that can be connected to a single or multiple machines with ducting and are equipped for airflow capacities ranging from 1,200 to 7,200 CFM.
- 7 Media Dust and Mist Collector**
DA, DB, capture both wet and dry particulate. These multi-purpose units contain high-efficiency filters, up to 99.97% HEPA, ideal for removing smoke, dust, oil mist and other pollutants from a facility. Available with odor control modules/elements in 2,000 and 3,000 CFM models.
- 8 Cartridge Dust Collector**
The DustHog[®] Plug-n-Play (PNP) cartridge dust collector provides a safe, effective and convenient solution to handle dust collection applications including thermally generated fumes from welding, laser/plasma cutting operations as well as other common nuisance dusts with HEPA efficiency option and airflow capacities from 1,000 to 7,500 CFM.
- 9 Cross-Ventilation Cartridge Dust Collector**
DustHog MCB is a completely self-contained system providing high-filtration efficiency and allows your workers complete freedom of movement. Often used with a containment booth for localized workspace dust control and breathing zone protection with HEPA efficiency available and airflow capacities from 4,000 to 38,000 CFM.
- 10 Portable Cartridge Dust Collectors**
DustHog VP Series ideal for applications where large hoods are impractical or where your employee moves from one workstation to another with option HEPA efficiency and airflows of 750 for 6" extraction arms and 1,500 CFM for 8" extraction arms.
- 11 Downward Flow Cartridge Dust Collector**
DustHog SFC Series combines ProTura Nanofiber technology with a patented pulse cleaning technology delivering improved performance. Install inside or outside and configure to handle most dust collection applications and achieve OSHA and NFPA regulatory compliance for combustible or explosive dusts with airflow capacities from 500 to 80,000 CFM.
- 12 Downward Flow Cartridge Dust Collector**
DustHog SFC cartridge dust collector is modular and configurable providing a flexible dust collection solution for many industrial dust collection applications including combustible and explosive dusts.
- 13 Ceiling-Mount Dust Collector**
DustHog SCB collector with two XA extraction arms for work zone source capture and zero impact to the floor workspace reaching airflows of 1,000 CFM per arm.
- 14 Versatile Bench Cartridge Collector**
The DustHog V Series downdraft bench is specifically designed for applications where workers need an integrated collection area and work surface that also draws contaminants away from the worker's breathing zone. Model VB is ideal for grinding and finishing operations of small parts and components with HEPA efficiency option and airflows from 750 to 1,500 CFM.
- 15 Shaker Dust Collector**
DustHog SDC intermittent duty, modular collector offers expandability to match both small and large application requirements. These shaker-style systems use pocket filters to safely and effectively collect airborne pollutants captured at the source helping ensure the safety of employees and students while achieving OSHA and NFPA regulatory compliance for combustible or explosive dusts with airflow capacities from 420 to 8,400 CFM.
- 16 Pulse Control Panel**
Differential pressure panel displays filter pressure levels and can be programmed for on-demand cleaning.

SmogHog® Product Portfolio

1



SmogHog MSH

2



SmogHog PSG

3



SmogHog PCN

4



SmogHog SGN

5



SmogHog SHN

6

Machine mount
not pictured in the
Floor Plan Map



SmogHog SHM

7



DB

www.parker.com/airquality

www.parker.com/airquality

DustHog® Product Portfolio

7



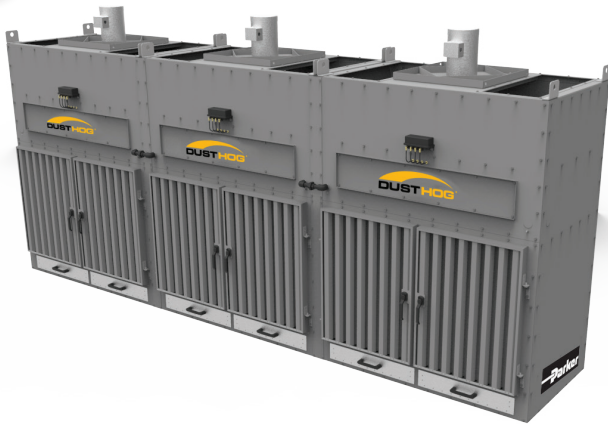
DA, DB

8



DustHog PNP

9



DustHog MCB

10



DustHog VP

11

12



DustHog SFC

13



DustHog SCB

DustHog® Product Portfolio

14



DustHog VB

15



Dusthog SDC

16



Pulse Control Panel



Dusthog VF

Not pictured in the Floor Plan Map



XA Arm with Blower

Not pictured in the Floor Plan Map

Providing Clean Air Solutions

Parker Hannifin is committed to providing clean air solutions that protect your employees, improve plant performance and enable you to realize your operating goals.

State-of-the-Art Labs and Advanced Filtration Research for Optimized Performance. Purpose-built labs and test facilities with the latest equipment allow our engineers and technicians to quickly and accurately assess filter capabilities and develop innovative new medias.

High-Performance Filters & Specialized Equipment Solutions. With decades of experience manufacturing high-performance original equipment and aftermarket filters to meet a variety of system types and configurations, we can satisfy whatever requirement is needed including customized solutions.

World-class Manufacturing Processes with a Global Footprint. We produce top-quality filtration solutions through stringent manufacturing processes.

Application Expertise for Any Filtration Challenge. Our ability to design a solution to fit your application begins with engineering expertise proven by hundreds of global installations.

Industrial Applications

- Abrasive Blasting
- Carbon Black
- Cement
- Chemicals
- CNC Machining
- Coal-Fired Boilers
- Cold Heading
- Die Casting
- Food Processing
- Lime
- Metals
- Metalworking
- Pharmaceutical
- Plasma & Laser Cutting
- Plastics Processing
- Powder Paint
- Thermal Metal Spraying
- Utility
- Waste-to-Energy
- Welding
- Woodworking
- Other Applications
- Custom or OEM Applications

Industrial Gas Filtration and Generation Division

4087 Walden Avenue
Lancaster NY, 14086
Ph: 800-343-4048
Email: dusthog@parker.com
smoghog@parker.com

