



PLUG N' PLAY PORTFOLIO

Delivering Ready-to-Use Dust, Mist
and Fume Collection Equipment



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If you have questions about the products contained in this catalog, or their applications, please contact:

Industrial Gas Filtration and Generation Division
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parker.com/airquality

For a more current information base, please consult the division website at parker.com/airquality.

DUSTHOG®

Dust Collection for 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. Parker's patented pulse cleaning technology, 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 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 a complete line of high-performance replacement filters, including ProTura® nanofiber. 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 99.97%.

Parker is 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

Plug n' Play Portfolio



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 and filtration remedy.

DUSTHOG® Plug n' Play Portfolio

Parker offers an extensive portfolio of ready to use, plug in and run products from mobile to stationary to ceiling mounted ambient models that exceed expectations for source capture and ambient collection of suspended dust from most industrial manufacturing applications. Most models offer various filtration media and efficiency levels to provide the ultimate in configuration and flexibility while maintaining a high level of particulate removal and capture.

For more information and help with applications, contact your Parker sales representative or go to www.parker.com/airquality



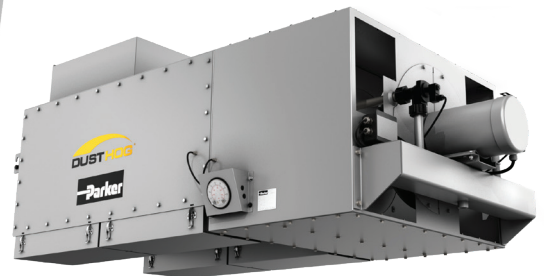
PNP SERIES



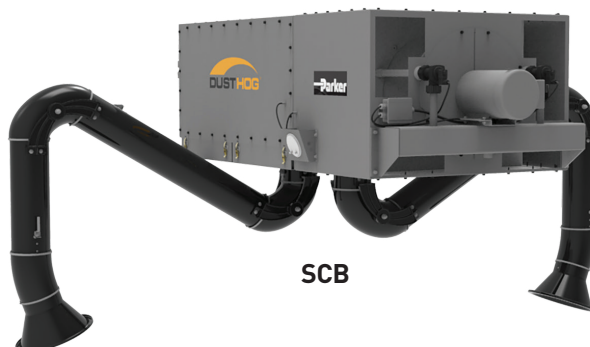
D-SERIES



V-SERIES



SCA



SCB

PNP SERIES

Plug n' Play Weld Fume Extractor

The PNP offers best-in-class filter technology, easy to use and operate controls, energy efficiency with simplified maintenance and operation.

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.

Quality Filter Technology and Performance

Powered by Protura® DH nanofiber filter technology, the filters offer high operational efficiency, low operating pressure loss and reduced compressed air usage that can be relied upon to protect your workers and facility.

Easy to Operate

The PNP features an integrated touch screen controller that controls the fan and filter cleaning system. The interface alerts users when maintenance is required and allows users to manually or automatically adjust air volume as needed.

Energy Efficiency

An Electrically Commutated (EC) motorized impellor is featured on the PNP offering customers the latest in energy efficient technology.

Simplified Maintenance

Service convenience is built into the PNP offering single side access, tool-free filter removal and enhanced dust collection drawer.



Options and Accessories

- Safety after-filters (ASHRAE 95% / HEPA)
- Slip, flanged and rolled flange inlet collars
- Remote control panel enclosure
- Auto flow air volume control
- Disconnect switch
- Additional integral blower options
- Additional filter media types and configuration options
- 575V Step down transformer
- Dust drawer liners
- Clean air discharge plenums
- Custom paint colors

Product Features



Real Compressed Air, Fire Suppression and Electrical Connection

Single point connections for supply voltage and compressed air.

Safety After-Filter (optional)

95% ASHRAE / HEPA After filter for toxic dust. Filter acts as unit silencer.

Integral Blower Module

Features motorized impellor with speed control for precise airflow control. Blower and controls are prewired with a single external termination.

Dirty Air

Rear inlet box with bolt pattern for a vertical duct connection.

Touchscreen Blower / Pulse Controls

Visual indication of system status and easy to understand operation. 24VDC wiring provides additional layer of product safety.

Modern Look and Feel

Rounded corners and flush mount patches align product with target machine applications.

Pulse cleaning options /adjustments.

External Flange for Floor Mounting

Plate for anchoring unit to floor.

Heavy Duty Construction

Heavy gauge steel construction with powder coated finish inside and out creating a durable and reliable product.

Dust Drawer

Plate for anchoring unit to floor.

Simple Filter Maintenance

Cam-action mechanism and underside endcap handle facilitates fast, simple and tool-free filter removal and installation



Model	Filter Media	Filter Configurations					Unit Dimensions					
		Width	Depth	Qty	Area		Width		Depth		Height*	
					(ft²)	(m²)	(in)	(mm)	(in)	(mm)	(in)	(mm)
PNP-12	ProTura DH	1	2	2	1,000	92.9	28.5	724	68.0	1727	91.6	2327
PNP-22	ProTura DH	2	2	4	2,000	185.8	57.0	1,448	68.0	1727	91.6	2327
PNP-32	ProTura DH	3	2	6	3,000	278.7	85.5	2,172	68.0	1727	91.6	2327

V SERIES

Portable System

Models VP-750 and VP-1500

The VP Series portable dust collector is ideal for source capture locations in tight applications where large canopy hoods are impractical, where dust and smoke-producing machinery is used intermittently and where employees move from one work station to another. By positioning the swing arm and hood directly over the smoke or dust, Model VP removes harmful contaminants before they enter a worker's breathing zone.



VP-1500

Downdraft Bench

Models VB-750 and VB-1500*

The VB 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.

**We also offer a 2,500 cfm downdraft bench with larger work surface. Ask about model SDB.*



VB-1500

Self-Contained System

Models VF-750 and VF-1500

Serving as the airflow and filtration source for an entire system, this self-contained system is the perfect choice for economical and efficient dust collection. Ideal for ducted operation, the VF system's small cabinet makes it easy to position close to the dust source or position above the floor on a mezzanine—saving valuable floor space.



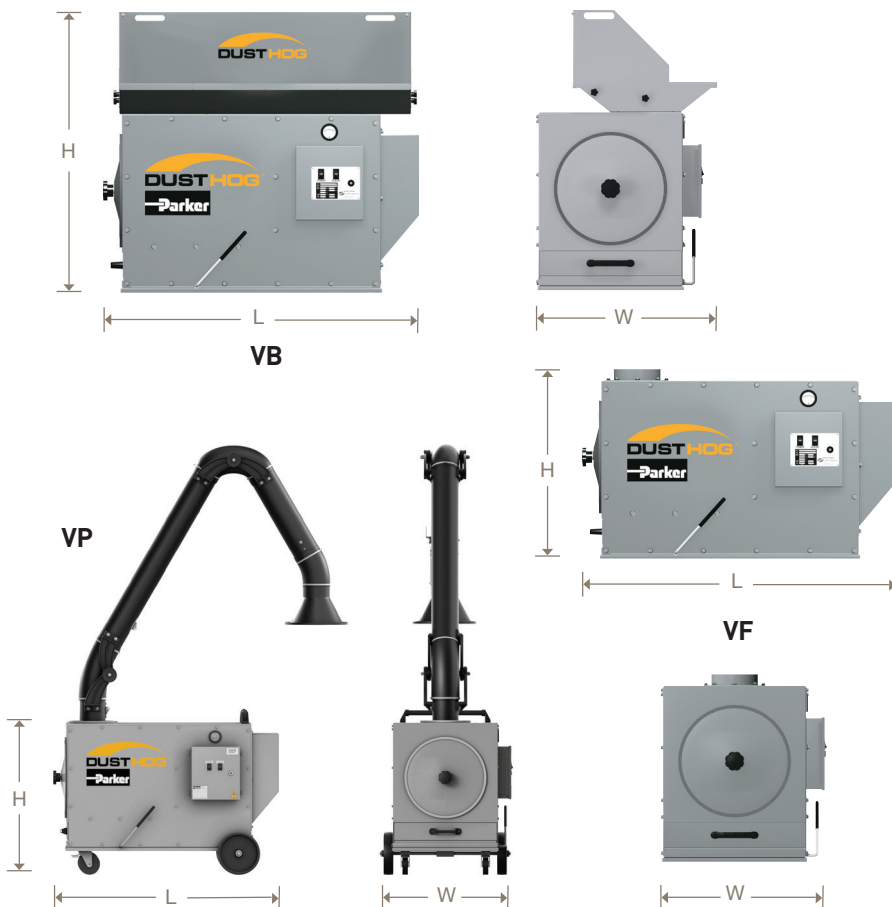
VF-1500

Model	Airflow (CFM)	Filter Area (ft.)	Sound Level* (dBA)	Motor** (HP)	SCF Per Pulse	Drawer Capacity (Cubic ft.)	Length (in.)	Width (in.)	Height (in.)	Shipping Weight (lbs.)
VB-750	750	141	79	1.0	1.1	.6	38-13/16	30-1/4	46-13/16	385
VB-1500	1500	283	77	3.0	1.3	1.2	52-3/4	30-1/4	46-13/16	485
VF-750	750	141	74	1.0	1.1	.6	38-13/16	27-7/16	31-3/4	342
VF-1500	1500	283	81	3.0	1.3	1.2	52-3/4	27-7/16	31-3/4	425
VP-750	750	141	74	1.0	1.1	.6	38-13/16	30	38-9/16	402
VP-1500	1500	283	81	3.0	1.3	1.2	52-3/4	30	38-9/16	502

*Units tested in accordance with AMCA 300 at 5 ft.

**Horsepower is dependant upon flow requirement and can vary within model size.

Model Dimensions



Motor HP	Power Supply	Full Load Amps
1.0	115/1/60	15
1.0	230/1/60	7.5
3	208/3/60	8.1
3	230/3/60	7.6
3	460/3/60	3.8

Models VB

Practical bench provides an integrated collection area and work surface.

Work Surface Dimensions:

VB-750: 32-1/8 in. x 24 in.

VB-1500: 48-1/2 in. x 24 in.

Models VF

Fixed unit for small, ducted system for capturing dust at the source.

VF-750 has a 6 in. inlet and
VF-1500 has an 8 in. inlet.

Models VP

Portable unit used in applications where hoods are impractical.

VP-750 uses a 6 in. extraction arm and
VP-1500 uses an 8 in. extraction arm.

D SERIES

Practical and Effective

DA and DB Media Bag Dust and Mist Collectors can help your plant meet clean air standards and regulations for employee health and safety by removing contaminants from the air. Designed as a simple and economical solution to collect dry or wet particles, these systems mechanically excite and remove suspended particles from the ambient air. These multi-purpose units contain high-efficiency filters ideal for removing smoke, dust, oil mist and other pollutants from a facility.

Offering a practical and effective solution for collecting contaminants, DA and DB units come with multiple filtration options to fit your specific pollution control needs such as sub-micronic substances, oil mist or odors and gases. % more contaminants than comparable products—which means less frequent filter changes!

Model DA

Designed for dry particles, the DA is used for unducted ambient air filtration. For simple replacement, the filter media is accessed through the front of the unit.

Models DB

DB models can be used in ducted installations to capture contaminants at their source or as ambient air filters. Each provides flexibility by offering a wide range of filter options for both wet and dry particle applications for quick and easy maintenance, the filter access is through the side access doors.



DB

Specifications

Model	Airflow (CFM)	HP	Voltage ¹	Full Load Amps	Length (in.)	Width (in.)	Height (in.)	Hanging Weight ²	Shipping Weight ²
DA	2,200	1 1	115V/1/60 208-230V/1/60	16.0 9.0/8.1	63-3/4	26*	26	170 lbs. 77.1 kg	200 lbs. 90.7 kg
DB	3,000	2 2	230-460V/3/60 115-230V/1/60	1.0	70	24-1/2	26-1/4	270 lbs. 122 kg	310 lbs. 141 kg

¹DA model has a flange on one end of the unit increasing the width to 26 in.

² Weights include 4" prefilter and 36" bag filter.

These superior units operate on a two- or three-stage concept of media filtration. Air enters the unit and first passes through the prefilter where larger particles are collected. Next, the air is drawn through the primary filter section for capture of smaller particles. The clean air is then recirculated into the room.

Filtration Options

Filter	Description	Availability		Nominal Dimensions (HxWxD in.)	Efficiency (ASHRAE 52.1-92)	Use
		DA	DB			
	Prefilter	X	X	24x24x4	35%	General
	Pleated non-woven reinforced cotton fiber media with heavy-duty fiberboard frame		X	24x24x2	35%	General
	Aluminum mesh		X	24x24x2	92%*	General
	Oil Impinger		X	24x24x2	N/A	Oil Mist
	Extended Surface Bag Filter		X	24x24x22	65%	Use with carbon or HEPA filter
				24x24x29	65%	General
		X	X	24x24x36	65%	General
	Ultra-fine fiberglass media with galvanized steel header frame		X	24x24x22	95%	Use with carbon or HEPA filter
				24x24x29	95%	General
		X	X	24x24x36	95%	General
			X	24x24x36	95%	Oil Mist
	Vee Bank Carbon Filter		X	24x24x12	N/A	Odor Control
	12-1" trays of carbon (45 lbs.) with metal frame 12-1" trays of carbon (24 lbs.)			24x24x6	N/A	Odor Control
	HEPA Filter		X	24x24x12	99.97%**	Clean rooms Inspection Areas
	Waterproof glass media with particle board frame			24x24x6	99.97%**	Clean rooms Inspection Areas
	Wraparound Prefilter	X	X	27x60x2 (media)	92%*	General

* ASHRAE Arrestance Efficiency

**Thermal DOP-Federal Standard 209A

SC SERIES

Ceiling Mount Dust Collectors

Need a solution for industrial welding smoke, fumes, dust and powders, but don't have space for a large collection unit on the plant floor?

For applications requiring dust and smoke removal right at the source, select the SC series.

This system features two lightweight, counterbalanced swing arms to be centrally located between workstations for ultimate source capture in each area. Ducting can also be added using the optional duct inlet collar to connect to an application port or connect ducting to a wall mounted extraction arm.

Source extraction of particulate, dust and fumes is the preferred method in maximizing workers breathing zone protection, addressing elemental permissible exposure limits and threshold limit values, and to mitigate ambient infiltration and concentration of potential airborne particulate.

Quiet and Easy to Maintain

The SC system is quieter and easier to maintain than other dust collectors. An internal pulse cleaning system minimizes noisy air blasts and keeps sound levels below 77 dBA—under the industry standard.

Each SC model is equipped with four lightweight, removable dust drawers for easy disposal of collected material. Another feature for simplified maintenance are the "QuickSeal" filter access doors.

Optional Left or Right Discharge

To help direct the ambient airflow pattern, the SC unit comes standard with rear clean air discharge, but can be ordered with left- or right hand side discharge to control the direction of airflow. And, side discharges don't require add-on plenums—a savings in overall product cost!

A Parker Sales Representative can assist in evaluating your application requirements to determine the best direction of clean airflow through the side access doors.

Ambient SCA

The SCA model is the perfect choice for applications where source capture is impractical. Installed above the plant floor, this continuous cleaning dust collection system draws fumes, dust and other airborne contaminants from the workspace into filters, and recirculates clean air back into the plant.

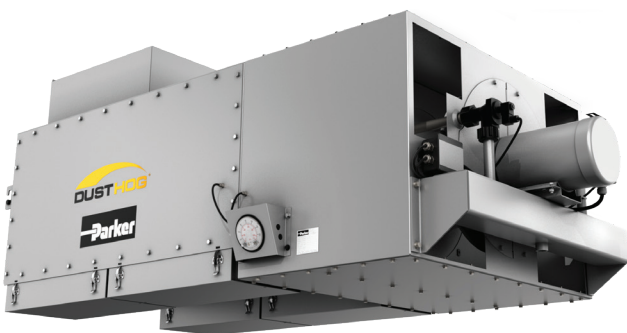
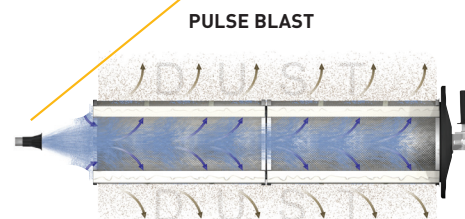
As a result, workers are able to benefit from healthy breathing conditions as well as unrestricted movement in their workspace.

Source Capture SCB

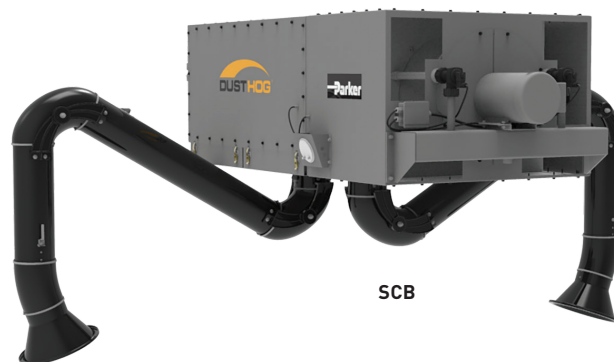
The SCB model captures contaminants and "pulses" them off to drawers below. A shower head-like nozzle ensures an even distribution of air to maximize the entire length of each cartridge. The result is longer filter life, less filter changes and more clean air plant-wide.



Pulse Blast Nozzle



SCA



SCB

Model SCA

External Motor/Blower

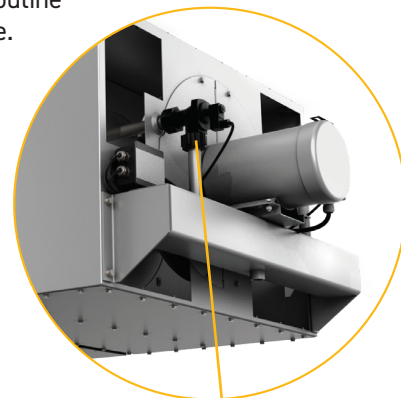
Offers easy access for routine service and maintenance.

"Quickseal" Release Doors

Provide fast filter removal and maintenance with one simple hand movement.

No Internal Yokes

Minimizes internal air resistance for optimal filter cleaning and maximum dust release.



Inlet



Optimized Cartridge Cleaning System

Offers maximized cleaning power as a result of spring-free pulse valves and optimized nozzle.

SCA

Safety Cable

Secures "QuickSeal" Release Doors while filters are changed overhead.

Powder-Coated Finish

Prevents fading and chalking.

Magnehelic or Optional Photohelic Pressure Gauge

Monitors pressure and indicates when filters need to be changed.

Removable Dust Drawers

Offers large-capacity storage and easy removal of collected particles.

Model	Dimensions (HxWxL in.)	Horsepower (HP)	Voltage	Airflow (CFM)	Compressed Air Required	Number of Swing Arms	No. of Cartridges	Weight (lbs.)
SCA	39.6 x 45 x 97.8	3	230-460/3/60	2,500	.78 SCF/pulse	N/A	4 (1,020 ft. ² media)	837

Model SCB

Safety Cable

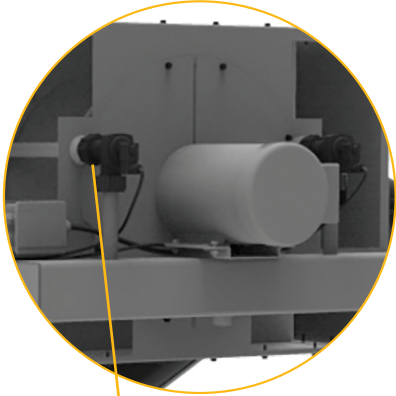
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Better Overall Cleaning

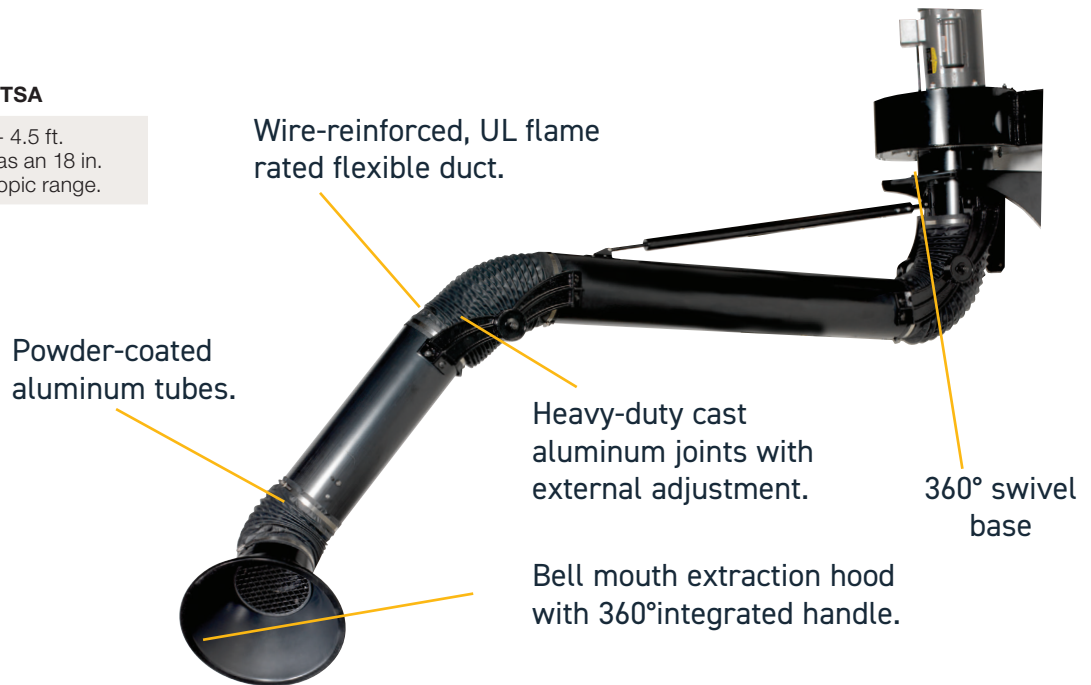
The SCB delivers superior performance versus other self-contained collectors with its pulse-cleaning technology and showerhead-style nozzle. Dust is captured, then pulsed off the filters into drawers below, preventing buildup.

Consistent airflow across the entire cartridge maximizes cleaning, yielding longer filter life, reduced change-outs, and cleaner air facility-wide.

Model	Dimensions (HxWxL in.)	Horsepower (HP)	Voltage	Airflow (CFM)	Compressed Air Required	Number of Swing Arms	No. of Cartridges	Weight (lbs.)
SCB	29.5 x 45 x 97.8	3	230-460/3/60	2,000 (1,000/arm)	.78 SCF/pulse	1 or 2	4 (1020 ft media)	770 w/o arm

Extraction Arm Features and Specifications

Model	XA	TSA
Length	7 ft. 10 ft. 12 ft.	3 - 4.5 ft. Arm has an 18 in. telescopic range.
Diameter		6 in. 8 in.



Extraction Arm Features and Specifications



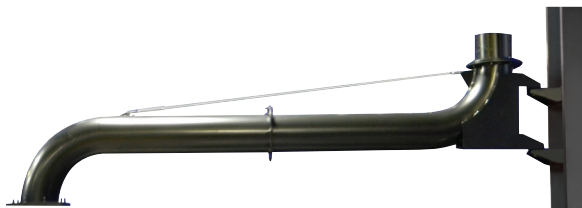
Fan On/Off
Switch



Exhaust Fans
(Blowers)



Hood mounted On/Off
Switch with Light Kit and
Welding Arc Sensor



Extension Boom Arm —
Available in 8 ft. length
for 6 and 8 in. diameter
XA or TSA arm

SMOGHOG®

Mist Collection for Any Application

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

To help address most mist applications, Parker offers 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

We feature PEACH® saturated depth coalescing media that was engineered specifically to capture oil mist and coolant contaminants that are from smooth running, low viscosity, oil or water based applications. The media provides an open 3-D depth matrix structure which allows liquids to saturate the media depth and then drain with gravity, all while maintaining a low differential pressure.

ESP Technology

We were the first company to employ ESP technology to collect wet pollutants from industrial manufacturing processes in dirty, oily greasy or smokey applications. 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® Plug n' Play Portfolio

Parker offers an extensive portfolio of ready to use, plug in and run products through two types of filtration techniques that remove wet mist particulate from the air. The technologies used in SmogHog® products are Electrostatic Precipitation and coalescing media. From mobile to machine mounted applications, Parker has a solution from the simple to difficult mist filtration application.

For more information and help with applications, contact your Parker sales representative or go to www.parker.com/airquality



PCN



SHM



MSH



PCN

Capture Pollutants at the Source

Using electrostatic precipitator (ESP) technology, the PCN is applied to oily welding fume, metal oxide fume and mist applications. As particulate is captured by the optional 8 in. extraction arm or inlet collar, the ESP ionizer electrically charges the microscopic contaminants, then the collection cell captures them much like a magnet. Easily cleaned and reusable prefilter and main filter aluminum ESP collection components drastically reduce maintenance and costs for filter replacement and disposal. And, because each collection cell can hold more than one pound of welding fume oxide before cleaning is required, maintenance time is minimized.

The source capture swing arm and extraction hood are positioned directly over the smoke, mist or fume source to remove dangerous contaminants that can cause respiratory problems and create safety and maintenance concerns - a situation that can cost lost work time, workers compensation costs and OSHA compliance violations.

Features and Benefits

- Reduces make-up air requirements by cleaning and recirculating the air.
- Exhausts clean air through a vertical outlet, directing exhaust toward the ceiling instead of the user.
- Reduces maintenance costs by eliminating smoke, mist, and fume before particles can settle on equipment and work surfaces.
- Helps meet OSHA indoor air quality standards.
- Exclusive XA arm hood design makes the PCN even more effective in capturing smoke and fumes.
- The bell-mouth shaped hood collects smoke at a greater distance than any other hood design.
- Energy savings and reduced operational costs due to low airflow resistance. Washable filters eliminate the need for costly replacement filters and associated disposal costs.



PCN

Specifications

Cabinet

Constructed of 16-gauge welded steel with internal structural rails top and bottom. A hinged door with an electrical interlock safety device provides access to the collection components. An access panel provides entry to the motor/blower compartment to permit easy adjustments. The cabinet is prepared in a phosphatized wash cycle. The finish coat is electrostatically-applied powder polyurethane paint baked to ensure a durable hard finish.

Prefilter

Heavy-duty, reusable filter constructed of layered expanded aluminum mesh contained in an aluminum frame.

Ionizer

Constructed of an extruded aluminum airfoil frame which shields the ceramic insulators from the airstream. Each tungsten ionizing wire is spring-mounted from dieformed support bars. Contact with the high voltage source is made through contact springs requiring no mechanical connections.

Power Pack

Provides 11,000 volts DC to the ionizer and 6,000 volts DC (nominal) to the collection cell. Self-regulating power pack for input voltage variations from -30% to +13% of nominal rating.

Collection Cell

Contains 20,160 square inches of surface area and is constructed of specially-formed aluminum to maximize collection efficiency. Rods are inserted for rigidity and control of spacing between high voltage and ground plates. The insulators are shielded from the airstream by inverted end plates. Contact with high voltage source is made through contact springs requiring no mechanical connections. The collection cell weighs 29 pounds and is equipped with a riveted steel handle, making it easily removable for periodic inspection and cleaning.

Motor/Blower

Produces air movement with a belt-driven, centrifugal-type blower with sealed ball bearings and cast iron pulleys. The blower is driven by a heavy-duty, totally enclosed 1/2 or optional 1 HP motor. Motor/blower has adjustable base to facilitate servicing. A vari-pitch pulley is used on the motor to enable RPM variation.

Power Cord

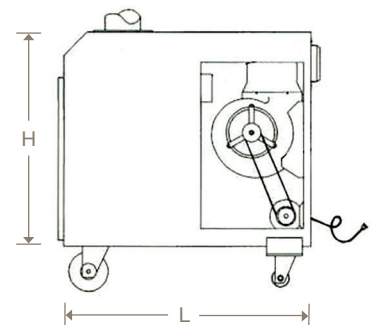
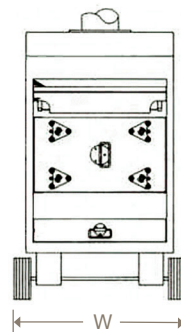
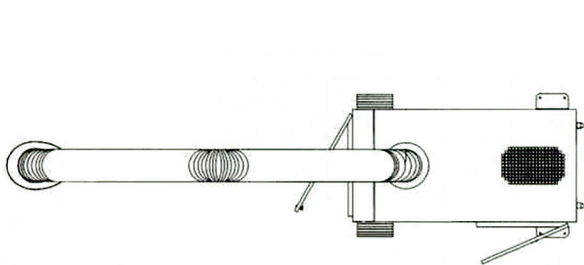
10 foot, 16-gauge 3SJ with molded plug.

Dust Drawer

Removable drawer to collect fallen dry particles.

Optional Swing Arm Assembly

Parker's XA extraction arm source capture hood with 8 inch diameter, 7 / 10 / 12 foot long, easily adjustable source capture swing arm as standard.



Arm Length (ft.)	Dimensions (in.)			Weight (lb.)	Electrical	Motor (HP)	Nominal Airflow (CFM)	Swing Arm Options
	H	W	L					
7, 10, or 12	44	28	42	400	115V/1Ph/60Hz (ETL Listed) 7.6 amps	1/2	1,000	8" diameter, 7'/10'/12' length arm 8" inlet collar in place of swing arm

MSH SERIES

Self-Contained Mist Collectors

SmogHog® is the most recognized name for effective removal of mist and smoke within the metalworking industry. Our electrostatic precipitators (ESPs) have been cleaning the air and recycling machining fluids for companies around the world for nearly fifty years. The SmogHog® model MSH is a self-contained mist collector that can be mounted directly onto machining centers or locally ducted to the mist generation source. Mists, fumes and smoke generated from oil and water based coolants are drawn into the system and then subjected to a highly efficient multi-stage filtration process including a coalescing pre-filter and ESP collection cell(s). Clean air is then recirculated back into the plant for a cleaner, healthier work environment.



MSH-05-V

High Filtration Efficiency

Keeps air clean in your factory and process running at peak performance with more than 99% removal efficiency by mass and greater than 90%* particle removal of 0.3 µm liquid particles

Life Cycle Cost Advantages

Low airflow resistance leads to energy savings and reduced operational costs. Washable filters eliminate the need for costly replacement filters and associated disposal costs.

Reduce Operational Expenses

The Mist-Stop Coalescing pre-filter, high capacity collection cell(s) and variable speed airflow controls work to extend service intervals reducing production downtime and operational expenses.

Flexible Configurations

Horizontal and vertical airflow orientations, single or multiple ESP passes and full line of accessories allows systems to be configured to match your unique application.

Ease of Installation

The compact design allows the system to be conveniently installed directly onto machining centers or into tight spaces.



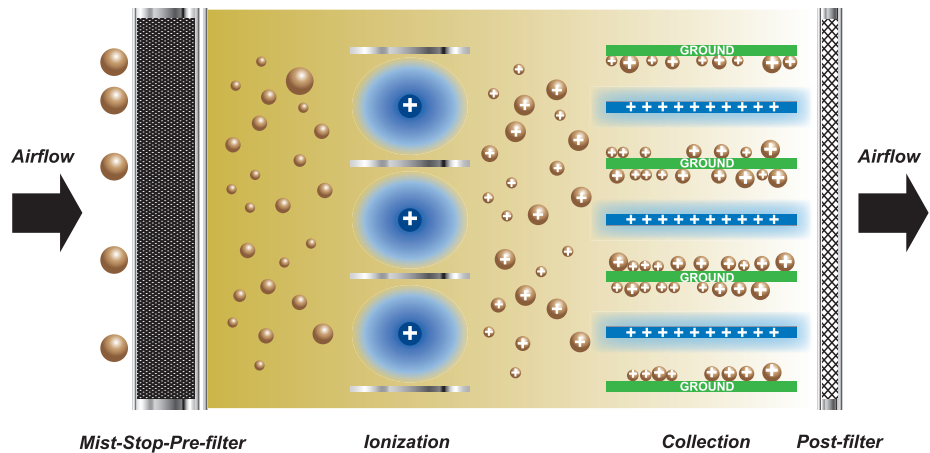
MSH-11-H



MSH-11-M-H

How the Model MSH Works

Different than centrifugal, bag or box filters that remove only the largest particles, ESP electrically charges both large and microscopic contaminants, and then strips them from the air stream collecting on grounded collection plates. The resulting discharged air leaves virtually no oil mist, smoke or hazardous particle untouched, releasing only clean air from the system to help you comply with even the strictest federal, state and local environmental standards and keep your workers safe.



SmogHog® technology ensures constant airflow, unlike barrier filters that can plug and become ineffective. Additionally, you will save operational costs with this technology, the ESP cells are washable, eliminating otherwise costly filter replacements and disposal concerns, making your factory cleaner and greener.

Options and Accessories

- Machine mount kits
- 6", 8", 10" and 12" inlet collars (horz. only)
- Flexible duct and clamps
- Vibration isolation kit
- High energy power supply
- Drain loop assembly
- Drain bottle
- Power cord
- Remote disconnect switch

Specifications

Model	ESP Passes	Airflow Path	Airflow (CFM)	Dimensions in. (cm)			Weight lb. (kg)	Sound Level** (dBA)	Blower Size HP (kW)	Supply Power	Full Load Amps
				H	W	D					
MSH-05-H	1	Horz.*	300-500	16.4 (42)	27.5 (70)	15.4 (39)	115 (52)	64.9	0.25 (0.2)	115V / 1PH / 60 Hz.	2.3
MSH-05-M-H	2	Horz.*	300-500	16.4 (42)	41.9 (106)	15.4 (39)	175 (79)	64.9	0.25 (0.2)	115V / 1PH / 60 Hz.	2.9
MSH-05-V	1	Vert.	300-500	29.9 (76)	16.4 (42)	15.4 (39)	115 (52)	64.9	0.25 (0.2)	115V / 1PH / 60 Hz.	2.3
MSH-05-M-V	2	Vert.	300-500	44.5 (113)	16.4 (42)	15.4 (39)	175 (79)	64.9	0.25 (0.2)	115V / 1PH / 60 Hz.	2.9
MSH-11-H	1	Horz.*	750-1500	22.5 (57)	30 (76)	22.4 (57)	192 (87)	73.5	1.45 (1.1)	230 V / 1 PH / 60 Hz.	5.0
MSH-11-M-H	2	Horz.*	750-1500	22.5 (57)	44.6 (113)	22.4 (57)	275 (125)	73.5	1.45 (1.1)	230 V / 1 PH / 60 Hz.	5.3
MSH-11-V	1	Vert.	750-1500	32.3 (82)	22.5 (57)	22.4 (57)	192 (87)	73.5	1.45 (1.1)	230 V / 1 PH / 60 Hz.	5.0
MSH-11-M-V	2	Vert.	750-1500	46.9 (119)	22.5 (57)	22.4 (57)	275 (125)	73.5	1.45 (1.1)	230 V / 1 PH / 60 Hz.	5.3

* Horizontal units available in left to right or right to left airflow arrangements

**Sound level at 5'

SHM SERIES

Machine Mount Media Mist Collectors

SmogHog® is the most recognized and trusted name for effective removal of mist and smoke within the metalworking industry. Our mist collection technologies have been cleaning the air and recycling machine fluids for companies around the world for nearly fifty years. The SmogHog® SHM Machine Mount is a self-contained coalescing media mist collector designed to be mounted directly onto a machining center saving floor space, reducing installation complexity of duct runs, and decreasing operational cost.



SHM-05



SHM-08

Filter Technology and Performance

PEACH Saturated Depth Coalescing™ media provides best in class filtration efficiency, removing over 99% of contaminants, and delivering long filter life.

Flexible Configurations

Engineered to order per your requirements combined with the flexibility to mount the unit on the top or side of the machine along with inlet locations on three sides to save time and money during installation while providing optimal performance in your plant.

Technical Expertise

Our application engineers and technical experts recommend solutions that are right for your application. We have the broadest portfolio of equipment with the knowledge to understand the full scope of the issues faced in the plant and which technology will be most effective in solving mist and smoke challenges.

Control Technology

The SHM easily integrates with machine tool controls for automated operation. The SHM-08 Advanced unit includes a remote touchscreen controller and Electronically Commutated (EC) blower for automated airflow control to help consume less energy than conventional blowers, therefore greatly reducing operational costs.

Easy Service and Maintenance

Designed with service and reliable operation in mind. The patent pending filter design offers a tool-free, easy to service system that simplifies maintenance and are just a few features that will save you time and money.

PEACH

Saturated Depth Coalescing™ Technology

PEACH Saturated Depth Coalescing™ technology provides an open 3D depth matrix structure which allows liquids to saturate the media depth and grow to fullest potential then drain with gravity when the droplet is ready, all while maintaining a low differential pressure.

The PEACH media is a 100% proprietary synthetic, multi-layered media that is engineered specifically for capturing and draining oil mist and coolant contaminants. The unique fiber structure of PEACH media separates the liquid droplets from the airstream in three distinct manners. Multiple airflow paths increase the virtual filtration area of the media extending the opportunity for contaminants to be removed.

The benefits include high-efficiency, extended service life, and lower pressure drop over extended periods of time.

Options and Accessories

- ASHRAE 95% or HEPA After Filters
- Remote On/Off Disconnect Switch
- Side Mount Bracket
- Drain Loop Trap
- Mounting Vibration Isolators
- Flex Duct and Duct Accessories



Three Airflow Paths Remove Over 99% of Contaminants

Radial

Air passes directly through the thickness of the media impacting the fiber structure removing contaminant.

Axial

Media structure forces a large percentage of airflow to take a stair-step path improving particle removal.

Helical

The wrapped structure of the fiber matrix creates a corkscrew air pattern that increases dwell time resulting particle capture.

Options and Accessories

Model	Qty	Surface Area (ft²)	Airflow (CFM)	Cabinet Dimensions (in)			Voltage	Full Load Amps
				Width	Depth	Height*		
SHM-05C	4	17.2	300-500	30-1/8	23-19/32	35-7/16	208-230, 460V/3PH/60Hz	2.9 - 2.7. 1.6
SHM-08C	6	25.8	500-800	37	23-19/32	35-7/16	208-230, 460V/3PH/60Hz	3.9 - 3.8. 2.6
SHM-08C Advanced	6	25.8	500-800	37	23-19/32	39-15/16	208-230, 460V/3PH/60Hz	3.9 - 3.8. 2.6

*Add 6.5" for after filter option. Based on side inlet configuration and drain sump

CLEAN AIR. IT'S WHAT WE DO®

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

Our commitment is backed by continuous investment in research, leading-edge technology and product development, our people whom are the most knowledgeable in the industry, and a product portfolio that is proven to deliver results. We have been solving problems for you, our customers across the globe for over 50 years.

Industrial Applications

- Abrasive cut-off sawing
- Carbon black
- Cast iron machining
- Coolant mist
- Drilling
- Dry chemicals
- Graphic dust
- Grinding
- Lint
- Offset powder
- Oil mist
- Paint pigments
- Paper dust
- Pharmaceutical powder
- Spices
- Welding
- Wood dust

Important – Understand and follow NFPA guidance in selecting equipment for your intended application, including required safety devices and testing your dust to determine combustion hazards. At your election, we can coordinate sample collection and testing.

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and Generation Division**
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