

Uni-Wash, Inc.

The Industrial Ventilation Group
Serving Industry Since 1974

1.800.610.6010

www.uniwashinc.com



Product Selection Guide

DUST COLLECTION AND
VENTILATION EQUIPMENT

Manufactured under ISO 9001 specifications

WET TYPE DUST COLLECTORS are designed for the capture of wettable and sinkable contaminants. These systems employ a unique, patented five-stage filtration system for scrubbing particulate out of the air and collecting it as wet sludge. Efficiencies are ideal for a variety of plant or foundry processes, including metal grinding and deburring operations, buffing and polishing, food processing, ceramic dust and combustible metal processes.

UNI-WASH™ Wet Type Dust Collectors

The UNI-WASH orifice/impingement type Wet Scrubbers are self-contained systems in 15 standard sizes from 500 to 30,000 CFM. Primarily used on trunk line operations, several processes may be ducted to one collector. Integral fan assemblies, pressure sensor type water level control, interior under-coating, and stainless steel scrubber sections are standard. Automatic sludge conveyors are available. There are no nozzles, piping or water pumps to clean, repair or replace. Compact designs require minimum floor space.



UNI-WASH ULTRA™ Wet Type Dust Collectors

The Uni-Wash ULTRA System provides an additional nozzle scrub stage and automatic sludge removal through a pump separator and recirculating water system. In addition to the standard five-stage impingement scrub method, strategically located nozzles spray the continually filtered, recirculating water against the contaminated airstream to provide a sixth "ULTRA" filtration stage. The automatic sludge removal, as well as the recirculating water system, is entirely self-contained. This unique design provides effective capture of contaminants smaller than 3 microns. Finely divided metallic dusts, graphite and chrome process dusts, warm forming applications, and other processes where dust "fines" are continually released as a result of the process will benefit from a Uni-Wash ULTRA Wet Type Dust Collector.



Wet type dust collectors may be required by the NFPA for the capture of combustible dusts such as aluminum, magnesium, titanium, zirconium and lithium.

UNI-WASH™ Wet Type Down Draft Benches

Ideal for hand-held operations, the UNI-WASH Down Draft Bench wet type dust collector is available in the standard DDB Series and the low-cost DDBC Series. Units draw contaminated air away from the product and the worker at approximately 300 fpm standard face capture velocity. Single or multi-station units are available to 12,000 CFM. These units are easily moved, providing an effective solution for changing job shop operations. The DDB Series offer ergonomic options for ease of use and worker comfort, including sound insulation, lighted hood assemblies, hand tool & electrical connections, nested ball-bearing turntables, foot rests and tiltable work surfaces. The DDBC Series feature a basic open work area, easily accommodating large items in many finishing processes. Both configurations offer identical source capture capabilities and can be customized to an extreme variety of applications.



DDB Series Configuration



DDBC Series Configuration

CARTRIDGE MEDIA COLLECTORS use a variety of filter media technologies to meet the filtration efficiency requirements of most types of industrial process dust, smoke and fume applications, as well as powder coating, hand bagging, mixing and grinding applications. These controlled air systems singularly answer commonly requested requirements for ease of filter replacement, extended filter life and low-cost installation. In many instances, the cleaned air may be returned to the plant for substantial energy savings.



INTERCEPT™ Horizontal Cartridge Dust Collectors

INTERCEPT Cartridge Collectors have standard features such as integral fan assemblies, single door cartridge access, particle diffuser racks and programmable pulse-jet filter cleaning for filter purging without down-time. Thirty standard horizontal sizes are offered to 70,000 CFM. These cartridge collectors offer efficiencies up to 99.97% (down to .5 micron). INTERCEPT systems are typically utilized in trunk line process dust collection operations. Custom designs are available to meet specific requirements.



INTERCEPT V-Series™ Vertical Cartridge Dust Collectors

The unique INTERCEPT V-Series Cartridge Collectors offer removal efficiencies up to 99.97% for most industrial and foundry dust applications. Modular system design allows for unit capacity and size configuration to meet exact customer specifications. Single cartridge plenum access and three pulse filter cleaning options are standard on all systems. Integral fan assemblies are standard on models up to 12,000 CFM. All systems utilize the CAM-LOC positive filter seal locking mechanism.



INTERCEPT HP-Series™ High Pressure Cartridge Dust Collectors

INTERCEPT HP-Series Horizontal Cartridge HIGH PRESSURE Dust collectors are utilized in a wide variety of industrial vacuum pressure applications. These systems are individually designed to support the required pressure level. A selection of cartridge media is available to match the precise application. System volumes are determined based upon media and air-to-cloth ratio requirements. Motor controls and flap gates are available as convenient options on this, and other INTERCEPT systems.

INTERCEPT V-4000™ Vertical Cartridge Down Draft Bench Dust Collectors

INTERCEPT V-4000 Cartridge Down Draft Benches are self-contained, self-cleaning, dust-free ventilated work benches designed with operational features similar to all INTERCEPT systems. These stations are ideal for use in hand-held operations such as grinding, deburring and bag dumping. An optional spark arrestor filter is available for use in welding and grinding operations as needed. Available with features and options to adapt to the most demanding customer requirements. The V-4000 Down Draft Bench does not require connection to ductwork and can be moved to a new location with minimal effort as work cell configurations change.



WDT-3500 INTERCEPT™ Horizontal Cartridge Walk-Around Down Draft Work Tables

The WDT-3500 is a fully portable horizontal cartridge dust collection system ideal for use in mixing, bagging, sanding, grinding, or other hand-held operations requiring access to the entire perimeter of the product being serviced. No hard-piping is required allowing full access to the entire work table area. The WDT-3500 can be repositioned frequently as work processes change. High source capture velocities ensure a safe breathing zone for the worker. Integral fan assemblies, purge controls, and a unique diffuser system are included.



CONTAMINANTS which cause hazardous working conditions and jeopardize product quality are captured at the source and removed from the work environment while the operation continues uninterrupted.

2000-SC/3000-IP SERIES INTERCEPT™ Ceiling Hung Cartridge Collectors

Designed for source capture and free air ventilation, the SC/IP Series INTERCEPT systems are ceiling mounted and are utilized where floor space is not available for location of standard configuration cartridge collectors. The SC Series features two SIDE-ARM flexible arm connections with complete rotational capability, allowing full flexibility of work station positioning below the unit. The IP Series in-plant free air ceiling mounted unit is used in cases where source capture of process airborne pollutants is not convenient. Multiple IP Series INTERCEPT units are mounted in a strategically patterned configuration, providing complete air filtration and recirculation of clean air throughout the plant environment.



ENVIRO-CELL™ Environmental Work Cells

Enviro-Cell Vertical Cartridge Work Cells are work spaces designed to isolate and capture contaminants where welding, grinding, sanding and mixing operations are conducted. Fugitive dust and smoke are removed from the open production area and contained within the booth. The Enviro-Cell eliminates the need for central dust collection systems and provides a clean, safe working environment. These Booth Back Sections are completely contained and the work area is continuously cleaned. The system offers filtration capabilities of 99.97% efficiency down to .5 microns. Air discharge is recirculated back to the environment to aid in energy savings.



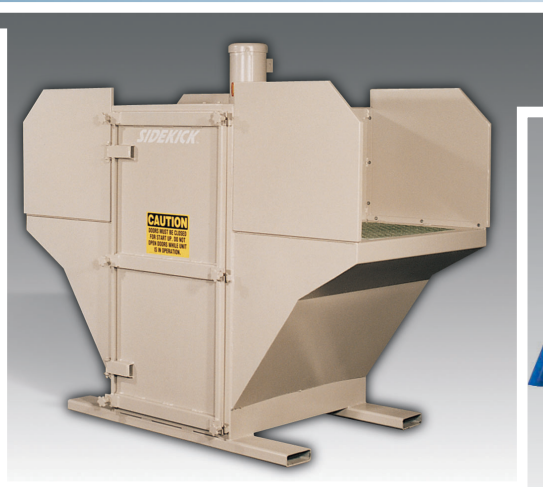
BY DESIGN, the air volume performance of the SIDEKICK is higher than most portable dust collectors, and exceeds OSHA Air Flow Standards by more than 20% for single station welding, cutting and brazing operations.

SIDEKICK™ Portable Cartridge Dust Collectors and Down Draft Benches

A self-cleaning, vertical cartridge collector in a portable configuration, the SIDEKICK is available in standard single or dual cartridge units with volumes from 500 to 1440 CFM. SIDEKICK Portable Down Draft Cartridge Work Stations are also offered for processes requiring small self-contained, portable work benches. The SIDEKICK may be configured with the SIDE-ARM flexible exhaust arm(s) or hard-piped for permanent installations. These systems can be widely customized for a variety of bag dumping, welding, cutting, brazing or other portable, hand-held operations.



Configuration for
Models PSK 55, PSK 74
and PSK 100



Configuration for
PSKB Series
Down Draft Bench



Configuration for
Models PSK 1000
and PSK 1440

WET MACHINING, wet grinding and cutting require mist collection to contain airborne process contaminants.

PLANT FACILITIES ARE CLEANER, sensitive equipment and controls are protected, and worker comfort and safety are enhanced when Mist Collectors are directly connected to an operation as a source capture device. MachineMaster and MachineMaster Junior Oil and Water Mist Collectors provide continuous duty “single source” capture of machining oil, coolant mist, water mist and other air pollutants in vapor or particulate form.



MACHINEMASTER™ Oil and Water Mist Collectors

MachineMaster Systems effectively remove contaminants by drawing them through a vertical, upward flow pattern of complex filter stages. Of modular configuration, larger MachineMaster systems are easily installed on self-supporting leg sections next to an existing operation, or they may be wall or ceiling mounted. Gravity assists in continuous drainage of the filter media and allows for longer filter life. MachineMaster systems are available in 2000 to 12,000 CFM configurations from stock. Varying Motor/Blower Cells, Triple Impinger Cells, HEPA Filter Cells and Carbon Filter Cells will increase efficiency and allow for capture of excessive water/fluid mist, smoke and odors. Built of mild steel and finish painted, MachineMaster Mist Collectors provide a total solution for control of oil or water mist pollutants.



JUMBO PERFORMANCE in Junior Sized Cabinetry



The MachineMaster Junior Mist Collector is an affordable, yet powerful choice for smaller mist collection operations.

MACHINEMASTER JUNIOR™ Low Volume Compact Mist Collectors

MachineMaster JUNIOR systems provide source capture of contaminants on wet machining operations such as fully enclosed grinding centers, screw machine applications and EDM processes. Units may be direct-mounted on top of equipment, or installed on self-supporting legs next to existing operations. Multiple operations may be ducted to a single unit. Units of lower CFM may be expanded to the maximum allowable system capacity without changing exterior unit housing. Finish painted units can ship from stock in 600 or 1000 CFM capacities. The 1000-HP High Pressure JUNIOR is available, along with optional Carbon and HEPA Filter Cells.

**WELDED AND FINISH
PAINTED inside and
out to stand up against
the toughest industrial
processes**

MACHINEMASTER MP-400™ Single Station Oil & Water Mist Collectors

The MachineMaster MP-400™ Series single station oil and water mist collectors provide source capture of contaminants on wet machining operations. The MP-400 unique inlet diffuser knocks down the majority of large liquid droplets. These droplets are removed from the airstream and drained away, back to the operation or collected as process fluid, thus avoiding re-entrainment in the process airstream. The Three Stage Filter options may vary based on specific job needs. Multiple operations may be ducted to a single unit. The MP-400 may be direct-mounted on top of equipment, or installed on self-supporting legs next to existing operations. The MP-400 is designed using the same rugged features of the larger MachineMaster collectors. Units ship from stock!





TORNADO™ Cyclone Collectors

A COST EFFECTIVE ALTERNATIVE to cartridge or filter media collectors, cyclone collectors are dry mechanical collectors utilizing centrifugal force for dust filtration. Cyclone collectors may be used in series with each other, as a pre-filtration system in front of higher efficiency systems, or for product reclamation. Optional After-Filter system attachments offer increased efficiencies. Cyclone collectors are applicable to many operations, including material handling, waste disposal, process dusts and combustible metal dusts. The TXE Series High Efficiency TORNADO Dust Collectors are available in 38 sizes from 440 to 26,400 CFM. The TXE Series TORNADO is capable of capturing abrasive particulate with air flotation tendencies, such as metallic grindings, talcs, mineral and ore dusts. Systems can be equipped with exhaust fans, after-filters, weather caps, abrasion resistant liners, special coatings and can be custom designed for specific applications.

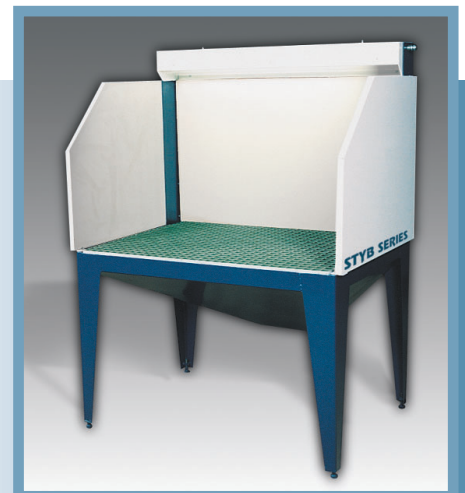


C-CLEAN™ Cartridge Filter Cleaning Station

The C-CLEAN fully contained glove box Cartridge Filter Cleaning Station is an ideal system for cartridge maintenance in fluid media applications and where manual cleaning is preferred in dust collection applications. Fan, motor and filter are all contained within one housing. Filter rack, gloves and compressed air tools and fittings are all included. Dust filter cleaning is performed by simply supplying compressed air to the station from the back of the unit at the connection provided. Solid construction with view ports for job function and an additional inspection port provide operator accessibility while protecting the operator and workplace.

STYB SERIES™ Ventilated Work Stations

Stationary Bench Work Stations may be utilized in conjunction with most major brands of properly sized dust collection systems to provide additional ventilated work areas for hand grinding, polishing, sanding, cutting or other hand-held shop operations. Fiberglass work surfaces, leveling screws, duct connection ports, and a unique internal baffle assembly provide uniform surface velocities for worker protection. Aluminum partitioning between work stations, electrical service, clean-out doors, and service shelves are convenient options.





SHAKEMASTER™ Shaker Type Dust Collectors

The SHAKEMASTER is an affordable system designed for smaller applications that require manual bag cleaning systems, like wood shops. The envelope bag design is available in capacities of 1500 and 3000 CFM. Units are precision manufactured of heavy-gauge steel with an industrial acrylic finish. Convenient tote containment within the machine and easy access for disposal keeps the process dust off the shop floor and away from the work environment, operators and products.



SHAKEMASTER JUNIOR™ Compact Shaker Type Dust Collectors

The SHAKEMASTER JUNIOR system is a compact version of the larger capacity shaker dust collector. The JUNIOR is designed exclusively for individual machine applications or for connection to multiple, small operations. Utilizing a manual shake-down pocket filter, and offering standardized performance of 750 CFM, the SHAKEMASTER JUNIOR is ideal for removing airborne contaminants in most small shops.



SIDE-ARM™ Flexible Exhaust Arms

The SIDE-ARM SA6/SA8 Series Flexible Source Capture Exhaust Arms collect process generated airborne particulate at the point of contaminant generation. This exhaust arm is designed specifically for processes where hood movement is necessary. Conical inserts within the hood hardware provide increased velocity at the point of capture, maintaining efficient performance in situations where the source capture device may not be placed in an optimum position to the process or where the hood is located with longer ducted distances from the ventilation equipment. A variety of orientations and mountings are offered. SIDE-ARM systems can be attached to most brands of portable air cleaning and ventilation systems, including the SIDEKICK line of Portable Cartridge Collectors.



BINPACK™ Cartridge Bin Vent Dust Collectors

Ideal for a variety of operations-- from food processing to raw aggregate blending -- the BINPACK Vertical Cartridge Bin Filtration Systems respond to the need to ventilate large holding bins and keep them under a negative pressure. The standard single cartridge BINPACK source capture system offers single door cartridge access, integral fan assembly, motor controls, and automatic purging. A larger, two cartridge BINPACK system is also available.

Need on-site consultation? Uni-Wash has a network of qualified ventilation engineers around the nation - Call today for your local Uni-Wash Agent. 800-610-6010

Preventive Maintenance Kits

While our machines are built for long life, certain consumable parts do require regular inspection and replacement. A properly maintained machine is more dependable, safer, and lasts longer. Guarantee a long life for your new equipment with our Preventative Maintenance Kit (PM Kit).

Why a Uni-Wash Preventive Maintenance Kit?

Since we built your machine, we know exactly which filters and specific consumable parts you need. You can purchase these select items in a PM Kit at a reduced price with free shipping. The bottom line is efficient, dependable and cost effective performance of your dust collection system.

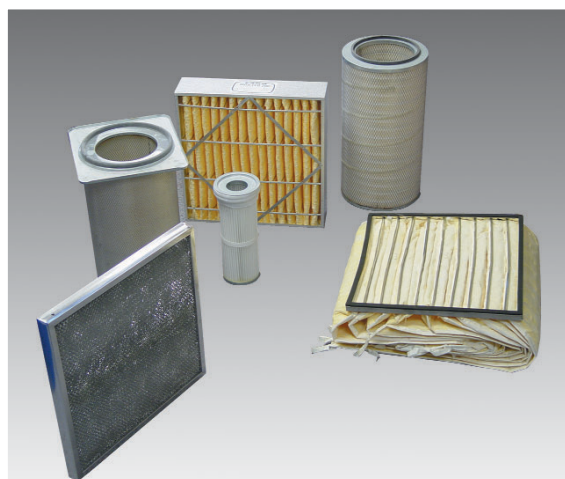
- **Eliminate down-time** - have wear and tear parts on hand when needed
- **Avoid Inflation** - buy at today's prices
- **Save \$\$** - PM Kit **discount** and **free shipping**
- **Remove pollutants** - keep your machine running as it was intended
- Receive **maintenance reminders** via fax, phone, or e-mail



Filters and Other Replacement Parts

We provide a full line of replacement items for all Uni-Wash machines including filters, mist eliminators, valves, belts, bearings, conveyor parts, and water level controls. Let our qualified technicians quote the proper media type and quantity to properly match your process.

- Mist Eliminators
- HEPA Filters
- Motor/blower parts
- Spun Bond Polyester Filters
- Fans
- Felted Polyester Filters
- Cartridge Filters
- Cellulose Filters
- Minipleat V-Bank Filters
- Conventional Bags
- Panel Filters
- Pleated Bags
- Pocket Filters



Common Uses for Uni-Wash, Inc. Dust Collection Systems

Ceramics

Material Handling
Fettling Grinding

Chemicals

Material Handling
Crushing, Grinding
Weighing, Screening

Rubber & Plastic Products

Mixers
Grinding and Buffing
Plastic Material Handling
Plastics Finishing

Rock Products and Metal Mining

Material Handling
Crushing and Screening

Pharmaceutical & Food Products

Mixers, Grinders
Weighing, Blending
Bagging, Packaging
Coating Pans

Coal Mining & Power Plants

Material Handling
Dedusting, Air Cleaning Drying

Foundry

Abrasive Cleaning
Shakeout
Nonferrous Melting

Metal Working

Production Grinding
Tool Room
Cast Iron Machining
Welding Smoke

Miscellaneous

Fiberglass
Wood Products

Uni-Wash Dust Collection systems provide workable, cost efficient solutions for most industrial process applications. Consult your local representative for technical information on your specific air pollution control problem. Dust sample analysis is available.

**Designers and manufacturers
of industrial strength dust
collectors since 1974.**

Uni-Wash, Inc. -- The Industrial Ventilation Group -- has provided process ventilation solutions to industry for more than 25 years. The Uni-Wash wet collector product line has been manufactured since 1938, allowing our engineers to set new standards in innovative system design and to develop the most trusted and efficient wet type dust collectors on the market today. Our complete and diversified cartridge dust collectors utilize the latest design technology in order to provide the most dependable and efficient systems available.

Our unique design capabilities focus on customizing any of our standard systems to solve specific airborne process contamination control problems. Our staff of design engineers is prepared to resolve your ventilation problems through minor system modification or by developing a completely new design that works for you.

For complete information on the Uni-Wash, Inc. family of air pollution control and ventilation systems, please visit our website at: www.uniwashinc.com

UNI-WASH™

**WET TYPE DUST COLLECTORS
WET TYPE DOWN DRAFT BENCH COLLECTORS
STATIONARY DOWN DRAFT WORK TABLES**

INTERCEPT™

**HORIZONTAL, VERTICAL & HIGH
PRESSURE DUST COLLECTORS**

INTERCEPT V-4000™

**VERTICAL CARTRIDGE DOWN DRAFT
BENCHES**

INTERCEPT WDT-3500™

**HORIZONTAL CARTRIDGE DOWN
DRAFT WALK-AROUND WORK TABLES**

SIDEKICK™

PORTABLE CARTRIDGE DUST COLLECTORS

ENVIRO-CELL™

ENVIRONMENTAL WORK BOOTHS

MACHINEMASTER™

OIL & WATER MIST COLLECTORS

TORNADO™

CYCLONE COLLECTORS

SHAKEMASTER™

SHAKER TYPE DUST COLLECTORS

SIDE-ARM™

FLEXIBLE EXHAUST ARMS

BINPACK™

BIN VENTS

PULSEMAX™

CARTRIDGE FILTERS



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Local Representation:

The product of engineering and experience:
Efficiency, Affordability and Dependable Performance