

**WELDING ARMS • CARTRIDGE COLLECTORS • CYCLONE COLLECTORS •
DOWNDRAFT TABLES • PORTABLE SYSTEMS • BOOMS & PAC'S • HOODS •
STACKS • FILTRATION • FANS • EXHAUSTING PLENUM**



**PHS - Portable HEPA
with Welding Arm**



**MNX Series -
Cartridge Collector**



**Cyclone Collector,
with After Filter**



**MNX-DDT
Downdraft Table**



**15000
PAC**



**Slotted Fume
Hood**



**15000
Internal-
Support Arm**



**15000-TT
Tube-Type
Arm**

PHS, PCFS • Portable HEPA/Cartridge Collectors

Portable filtration units are offered in both cartridge (PCFS) and HEPA (PHS) configurations. A variety of media options are available for both. Monoxivent fume arms (7' or 10') are commonly added to these units for direct source capture.



Left: PHS (HEPA)
Above: PCFS (Cartridge)



Typical applications include: welding/maintenance shops, school shop environments, and other locations where a permanently installed system is not practical.

The systems include: steel cabinet construction, internal air distribution, dirty/clean air chambers, seal-tight doors, easy filter access, control panel lights, hours of operation counter, and a high-efficiency HEPA filter or high-capacity cartridge type filter (with pre filter).

MNX-DDT • Downdraft Tables

Monoxivent offers two standard downdraft tables, as well as custom designs to meet a variety of applications. The MNX-DDT's are self-contained dust collectors designed as a workstation for capturing contaminants used in grinding and finishing operations.

The MNX-DDT-2000 has a 3-HP motor and has a performance up to 2,000 cfm. The MNX-DDT-3000 has a 5-HP motor and has a performance up to 3,000 cfm. The MNX-DDT-2000 has a bed measuring 52"x52", while the -3000 measures 52"x78".



The models have a powerful 200 fpm minimum downward airflow capture, hinged side-wing panels, built in fluorescent light, filter cartridges featuring nanofiber technology, a MERV 13 filtration efficiency rating, and an ergonomic design.

The unit is constructed of 12 and 14 gauge steel. Large particles are collected in the 1.4 cubic foot capacity dust drawer(s).

The media in each cartridge incorporates an outer layer of ultra fine Nanofibers that intercept small particles at the surface of the media. Cartridge dimensions are 13.8" wide and 26" long. Independent laboratory testing has determined that the cartridges have a Minimum Efficiency Reporting Value (MERV) of 13 based on the ASHRAE 52.2-1999 test standard (higher ratings available upon request). The cartridges also achieve start up efficiencies of 99.9% on 0.2-2 micron dust particles, earning a rating of "C" as determined by the BIA European Institute for Occupational Safety.

MNX Series Collectors Cyclone & Cartridge



Monoxivent's dust collector range covers a wide variety of applications, including: dust types from fine to large particulate transfer and light applications. Sizes are available up to 19,000 cfm. Primary offerings are cartridge type and cyclone type collectors, ideal solutions within the industrial market.



The cartridge systems are offered in a 4- to 24-cartridge range and feature a nanofiber filter media that combines both large and small fibers to trap more particulate sizes without restricting airflow.

Collectors provide a safe/clean environment, comply/exceed OSHA, EPA, state regulations, are easy to install, and offer quite/efficient operation. These systems may be used indoors or outside and improve overall plant cleanliness.

Velocity Stacks

In addition to source capture, Monoxivent provides custom stacks for fume discharge in chemical and other industries.

The stacks discharge the particulate at an elevation that allows for discharge of the fumes. The stacks shown, at right, are 40' in height.



Industrial Fans

D SERIES BLOWER (Top/Right):

Monoxivent's D Series fan is a direct drive, radial blade type blower. The housing and wheel are constructed of cast aluminum. The standard motor configuration is TEFC, however other motor options are available. Wall mount brackets are standard or the D Series may be configured to connect directly to a hose reel or welding arm.



BI BLOWER (Bottom/Right):

Monoxivent's BI Series fans are AMCA certified. The belt drive utility blower meets today's demand for efficient and dependable ventilation. It is offered from 70-18,500 cfm. The fan has eight discharge positions. Clockwise or counter-clockwise rotation is available.



Slotted Fume Hoods

Slotted Fume Hoods are available in a vast array of sizes with numerous accessories. Side skirts are a common addition. The hood also may be connected to a welding table. A stainless steel finish may be furnished. Also, large sizes are an option: 6' wide x 8.5' height, with a 10" outlet is shown (below).



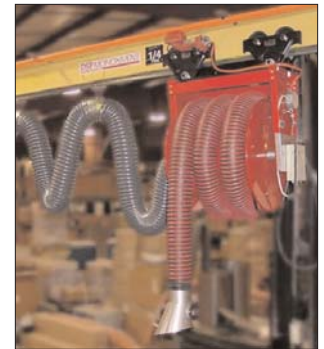
Rectangular Welding Hoods

These rectangular hoods measure 5' x 7' each. Seven of these hoods were connected to make a 35' wide system. The hoods were constructed of 16-ga. galvanized and feature a powder-coat finish, along with a custom internal baffling feature.



Monoxivent "Custom Shop" for Industrial Solutions

Monoxivent's custom shop will help customers every step of the way, from initial design to delivery.



A team of experienced product managers and fabricators assist in the design phase. Your custom requirements are then met in Monoxivent's state-of-the-art 50,000-sq. ft. facility.



Some custom examples include:

- Oversized hose reels (5'-7' drum width)
- Custom Hoods/Welding Tables
- Rail and Gantry Systems for Fume Control
- Hose Reels on Booms
- Custom Collectors
- Custom Booms, PAC's (pivoting articulated cranes)
- And More!

Clockwise: Swivel Boom - Hood, Motorized Hose Reel on Boom for Welding Application, Custom Conveyor for Exhausting Plenum, one of the company's Laser Cutting Centers in the specialty fab shop.



Above: SFH with table and side skirts

Left: Oversized SFH - 8.5' tall, 10" outlet

Below Left: Stainless steel SFH with side skirts

Below: Set of three connected SFH's



15000 Series • Welding Arms, Booms

Monoxivent's Swivel and Articulating Boom Arms allow for longer reach, offering an extended range of motion. The arms provide safe and versatile solutions. The systems eliminate welding smoke, dust, and other hazardous airborne particulate.



Monoxivent systems provide the most effective way to protect the work environment by capturing the particulate at the source, before entering the breathing zone. The 15000 Series is available with a wall mounting bracket or may feature a duct mount or portable mount.



The 15000 also is available with a Swivel Boom and Hood or as a tube-type arm. The 15320 is Monoxivent's telescopic arm, while the PAC (Pivoting Articulated Crane) Series is available with either an arm/nozzle configuration or with a 24" hood.



15000 Series Arms Summary

- 15000: internally supported arm; 7', 10', 14' length; 6", 8" diameter (also available as 15000-EXT with external support for arm and unrestricted airflow)
- 15000-TT: tube-type arm; swivel mounting joint, 2 aluminum support tubes, 3 segments of weld-proof hose with an adjustable suction nozzle; 7', 10', 13' length; 4", 5", 6", 8" diameter.
- 15000-SB: swivel boom with arm; boom offered in 7', 10', 13' lengths (also available as PAC - pivoting articulated crane)
- 15320: telescopic arm; 4' to 7' range



*Top - Bottom:
Swivel Boom and 15000 Arm,
Tube-Type Arm, 15320 Telescopic
Arm, 15000 Arm with Blower,
15000 Arm with PAC.*

Monoxivent Overview



Monoxivent is guided today, as it has been for over 50 years, by Monoxivent's original values: a commitment to product quality, customer service, innovation, business integrity, and a high regard for individual contributions.

Monoxivent, founded in 1953, has grown from a small shop to a thriving corporation that looks to carry its momentum into the years ahead.

The company, which specializes in source capture systems and products, competes with the nation's elite in regard to vehicle and fume exhaust solutions.

The manufacturing capabilities of Monoxivent include a complete line of vehicle exhaust extraction systems, hose reels, overhead and underground exhaust systems, source capture flex arms, portable filter units, wall mount filter systems, cartridge collectors with air pulse cleaning, cyclone dust collectors, free hanging filter units, and custom design build services for special requirements from our customers.

Monoxivent prides itself in developing and offering products that meet the demand for "user friendly systems." The design has been based upon direct communication with end users, listening to their needs and improving upon various ideas and concepts. This method of design caters to the users of our systems, thus making the purchase of Monoxivent products a wise investment.

CONTACT MONOXIVENT'S TEAM OF DESIGN EXPERTS FOR YOUR CUSTOM APPLICATION!

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MONOXIVENT

Monoxivent offers a complete line of source capture equipment to facilitate a full-range of applications in reference to vehicle and welding/fume exhaust elimination. Monoxivent also offers an extensive range of custom fabrication capabilities. Monoxivent is served by a highly-trained nation-wide network of representatives.

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