

DIVERSIFIED AIR SYSTEMS, INC.

MINI ELECTRONIC MIST COLLECTOR

- ***Collects Mist, Smoke, and Fumes***
- ***Ceiling, Platform, or Machine Mount***
- ***Low Cost, Compact Cabinet Design***



- ***Washable, Reusable Filters, Quiet 69 dBA***
- ***650 CFM, 120/1/60 Standard***
- ***Saves Energy by Cleaning and Recirculating Air***
- ***High Efficiency, Up to 95% Efficient on 0.03 Micron Particles***

Superior technology generating substantial operating savings

MINI ELECTRIC MIST COLLECTOR

How It Works

Our Mini Electronic Mist Collector utilizes the principle of electrostatic precipitation. Air is drawn by the motor/blower through metal mesh filters which trap large particles. Smoke and mist particles, some as small as 0.01 microns, pass into a strong electrical field (ionizing section) where the particles receive an electrical charge. The charged particles then pass into a collector plate section made up of a series of equally spaced parallel plates. Each alternate plate is charged with the same polarity as the particles, which repel, while the interleaving plates, which are grounded, attract and collect oil/coolant mist, and smoke. Clean air is then returned to the atmosphere.

Features & Benefits

- High Efficiency: Up to 95% efficient on 0.03 micron particles.
- Cleans and re-circulates indoor air.
- Ceiling, Platform or Machine Mounting: Eliminates the need for elaborate duct work and saves floor space.
- Efficient Wiring Capability: Unit can be wired directly to the machine tool control to operate only when the machine tool operates.
- Compact cabinet design.
- 6-foot cord and plug fits standard 120VAC outlet.

Our Mini Electronic Mist Collector is designed to collect oil/coolant mist and smoke at the source. It will not only help you to comply with OSHA standards, but also help to improve employee safety, protect equipment and reduce plant maintenance costs. Its small size lends itself to be mounted directly on the machine tool for source capture of contaminants such as water-soluble, synthetic and petroleum based coolants and smoke.

Applications

- Screw Machines & CNC Machining Centers
- Surface and Centerless Grinders
- Turning Lathes
- Parts Cleaning Systems & More

Ideal For Your Machine Tool:

- | | |
|---------------|--------------------|
| • Anca | • Mikron |
| • Haas | • Fadal |
| • Chiron | • Tornos |
| • Tsugami | • Mazak |
| • Kitamura | • Mitsubishi |
| • Makino | • Tree |
| • Matsuura | • Mori Seiki |
| • Miyano | • Okuma |
| • Kia | • Marubeni Citizen |
| • Daewoo Puma | • Star |



Note: Specifications listed above may be modified to suit application. contact D.A.S. or representative for information.

Diversified Air Systems, Inc.

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Toll free: **(800) 264-8958**

Tel.: **(502) 267-0333** • Fax: **(502) 267-4241**

Website: www.diversair.com • email: info@diversair.com

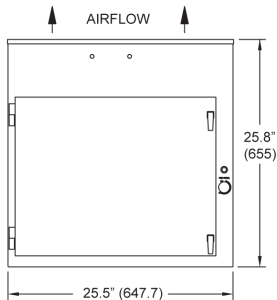
MINI ELECTRIC MIST COLLECTOR

Unit Information

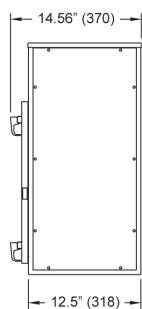
Mini Mist Collector

Dimensions	25.5" x 12.5" x 25.8"
Inlet Opening	17.75" x 10.50"
Outlet Grill	18.88" x 12.24"
Cabinet Construction	18 Ga Steel, Welded and Painted
Weight	104 lbs.
Shipping Weight	125 lbs.
Motorized Impeller, Backward Curved Rating	Rated 756 CFM @ 0" wg.
Unit Performance	Up to 650 CFM
Efficiency	Up to 95% DOP Test Method
Electrical Ratings	120V/60Hz – 2.0 Amps, 210 Watts *6-Foot Cord, Plug Attached
Sound Level	69 dBA Max. @ 6 feet
Pre-Filter	(2) Aluminum Mesh, 20.125" L x 12.25" W x 1.875" D
Primary Filters (Double Pass)	(2) Forever Filter, Electronic Ionizer Collector Cell
After-Filter	Standard: (1) Aluminum Mesh, 20.125" L x 12.25" W x 1.875" D Optional: (1) Carbon Filter, 20.125" L x 12.25" W x 1.875" D
Accessory Kits	Bolt-on 99.97% HEPA Filter: 20" L x 12" W x 11.5" D Inlet Plenum with Collar and Drain Fitting Machine Mounting Stand

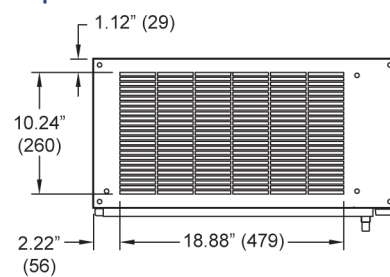
Front View



Side View

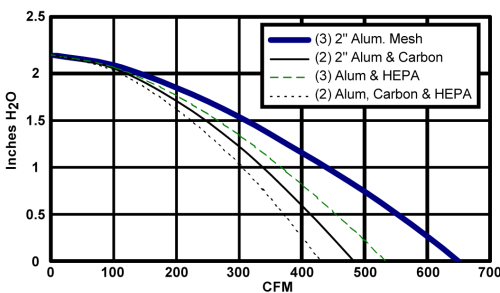


Top View



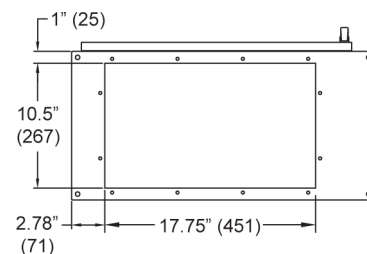
Performance Data

Mini M.E. EAC, 120V - 230V/60Hz



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Bottom (Inlet) View



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