



## Mini Mist Eliminator



### DESCRIPTION

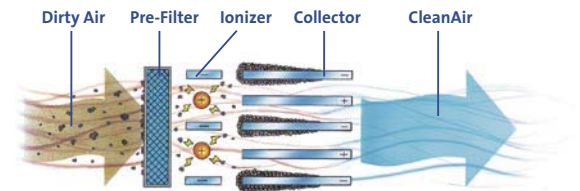
Trion's electronic Mini Mist Eliminator (Mini M.E.) is designed to collect oil/coolant mist and smoke at the source. The Mini M.E. helps you to comply with OSHA standards, improves employee safety and working conditions, protects equipment, plant fixtures and work in progress and reduces plant maintenance costs. The Mini M.E. can be mounted directly on the machine tool for source capture of contaminants such as water-soluble, synthetic and petroleum-based coolants and smoke.

### FEATURES & BENEFITS

- High efficiency – up to 95% efficient on 0.3 micron particles
- Cleans and re-circulates indoor air
- Ceiling, platform or machine mounting – eliminates the need for elaborate duct work and saves floor space
- Can be wired directly to the machine tool control – operates only when the machine tool does
- Compact cabinet design
- 6-foot cord and plug fits standard 120VAC outlet

### HOW THE ELECTRONIC MINI M.E. WORKS

Trion's electronic Mini M.E. utilizes the principle of electrostatic precipitation. Air is drawn by the motor/blower through metal mesh filters which trap large particles. Remaining particles, some as small as 0.01 microns, pass into a strong electrical field (ionizing section) where the particulate receives 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.



Electronic Air Cleaning

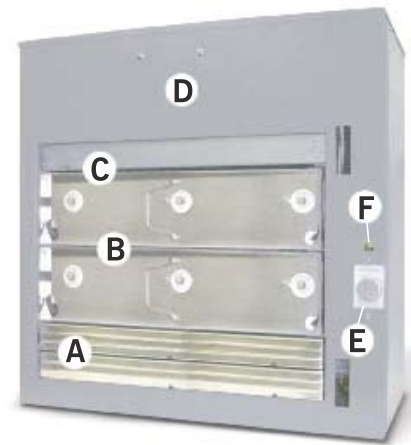
### APPLICATIONS

*The Mini M.E. is ideal for:*

- Screw machines
- Surface and centerless grinders
- CNC machining centers
- Turning lathes
- Parts cleaning systems
- Various other applications

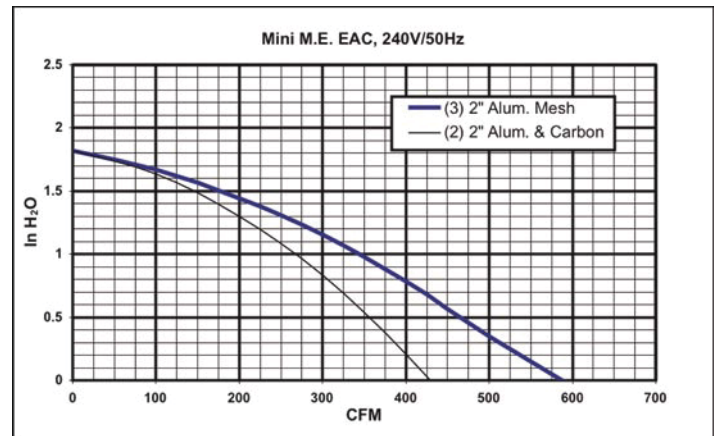
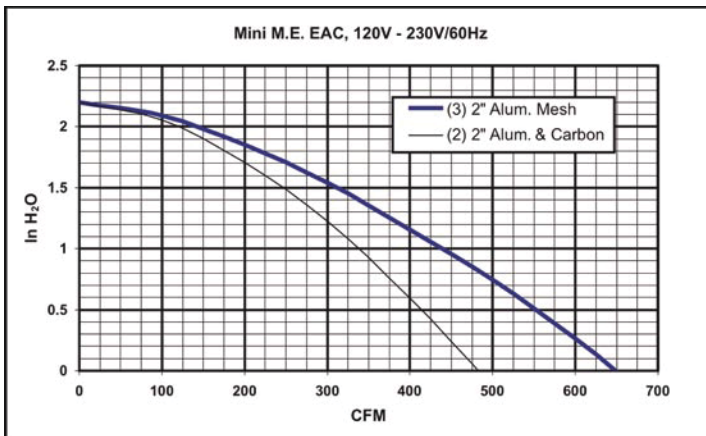
## SPECIFICATIONS

<b>Dimensions:</b>	25.5" x 12.5" x 25.8" (648 x 318 x 655 mm)
<b>Inlet Opening:</b>	17.75" x 10.50" (451 x 267 mm)
<b>Outlet Grill:</b>	18.88" x 12.24" (480 x 311 mm)
<b>Cabinet Construction:</b>	18Ga (1.2mil) Steel, welded and painted.
<b>Weight:</b>	104 Lbs. (47 Kg.)
<b>Shipping Weight:</b>	125 Lbs. (57 Kg.)
<b>Motorized Impeller, Backward Curved rating:</b>	120V and 230V/60Hz – Rated 756 CFM @ 0" wg. 230V/50Hz – Rated 710 CFM @ 0"wg.
<b>Unit Performance:</b>	60Hz – Up to 650 CFM (1100 CMH) 50Hz – Up to 585 CFM (1000CMH)
<b>Efficiency:</b>	Up to 95% DOP test method
<b>Electrical Ratings:</b>	120V/60Hz - 2.0 Amps, 210 Watts 230V/50Hz - 1.0 Amps, 180 Watts 230V/60Hz - 1.0 Amps, 220 Watts *6-foot cord, plug attached with 120V unit
<b>Sound Level:</b>	69dBA Max. @ 6 feet
<b>Pre-Filter</b>	(2) Aluminum mesh 20.125" L x 12.25" W x 1.875" D
<b>Primary Filters (double pass)</b>	(2) Forever Filter – Electronic Ionizer Collector Cell
<b>After-Filter</b>	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
<b>Accessory Kits</b>	<ul style="list-style-type: none"> <li>• Bolt-on 99.97% HEPA Filter 20" L x 12" W x 11.5" D</li> <li>• Inlet plenum with collar and drain fitting</li> <li>• Machine mounting stand</li> </ul>



- A – (2) Aluminum mesh pre-filters
- B – (2) Forever Filters, electronic cells
- C – (1) Aluminum mesh after filter, optional carbon filter
- D – Blower/Motor
- E – Variable speed control
- F – Cell performance indicator light

## PERFORMANCE CURVES



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