

# TRION<sup>®</sup>

Indoor Air Quality



**Mini M.E.**  
*Mini Mist Collector*

## Mini M.E.

TRION's electronic Mini Mist Eliminator (Mini M.E.) 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.

## Features & Benefits

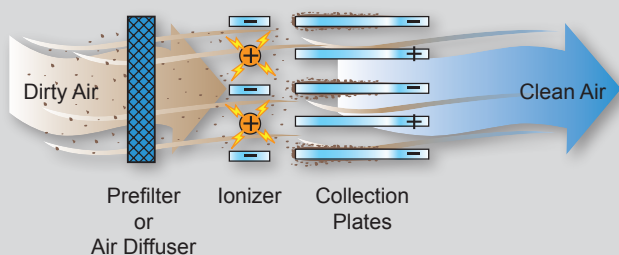
- High Efficiency: Up to 95% efficient on 0.3 micron particles.
- Cleans and re-circulates indoor air.
- Ceiling, Platform or Machine Mounting: Eliminates the need for elaborate duct work and saves floor space.
- Efficient Wiring Capability: Unit can be wired directly to the machine tool control to operate only when the machine tool operates.
- Compact cabinet design.
- 6-foot cord and plug fits standard 120VAC outlet.

## Applications

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

## How It 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. 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.

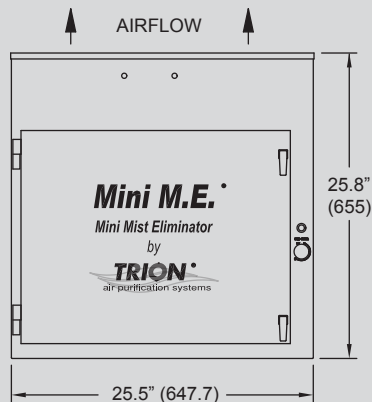


# General Information

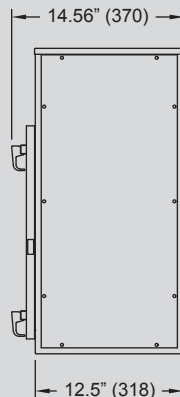
## Unit Information

Mini M. E.	
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

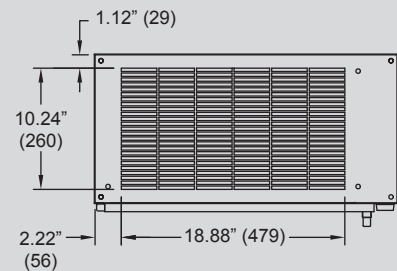
Front View



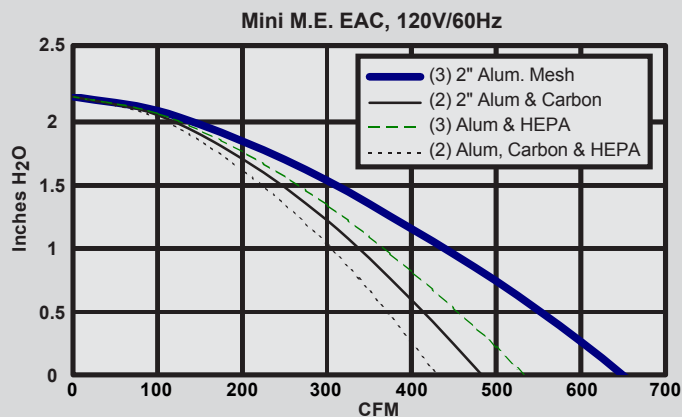
Side View



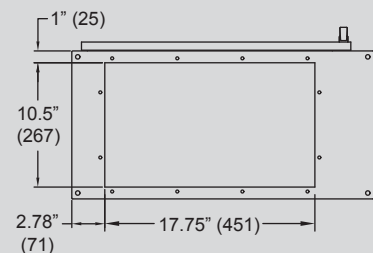
Top View



Performance Data



Bottom (Inlet) View





Our Mini M.E. comes with a three-year limited warranty.



**T-Series Electronic Air Cleaner**

Learn more about other  
TRION industrial products  
by contacting your local  
TRION representative or by  
visiting us on the web at  
[www.trioniaq.com](http://www.trioniaq.com).



**VOMP 600  
Vertical Oil Mist Precipitator**

# TRION®

## Indoor Air Quality

Indoor Air Quality Since 1947

ISO 9001:2015 Certified

Industry Membership:



Proudly Designed,  
Engineered, and  
Manufactured in the USA.\*



*\*Manufactured with domestic  
and foreign components.*

To help serve you better,  
please contact us at:

800-884-0002 (tel)

800-458-2379 (fax)

TRION®

101 McNeill Road  
Sanford, NC 27330  
[www.trioniaq.com](http://www.trioniaq.com)

[customerservice@trioniaq.com](mailto:customerservice@trioniaq.com)

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