

TRION[®]

Indoor Air Quality



Air Boss[®] MP600M
Mist Collector

Air Boss® MP600M

TRION's Air Boss® MP600M industrial mist collector is designed to remove oil mist, coolant mist and smoke at the source to help bring you in compliance with OSHA and EPA standards, improve employee safety and working conditions, protect equipment, plant fixtures and work in process, and reduce plant maintenance.

The MP600M is ideal for source capture of contaminants such as water soluble, synthetic and petroleum based coolants, and grinding dust generated from operations such as screw machines, surface and centerless grinders, CNC, turning lathes, parts cleaning systems, and various other applications.

Features & Benefits

- Cleans and Recirculates Indoor Air:
Reduces expense to reheat or cool air.
- Wall, Platform or Machine Mounting: Eliminates the need for elaborate duct-work and saves floor space.
- Optional HEPA Filter: 99.97% Efficiency on 0.3 micron particles.
- Collects Wet or Dry Particulates: Versatile in a wide range of applications.
- Vertical Design: Increases draining of filters for better collection efficiency.
- Wired Directly to Machine Tool Control:
Operates only when machine tool does.

How It Works

TRION's Air Boss MP600M employs several principles to clean the air. First, the unit draws polluted air through its impinger, which removes micron particles from the air stream by "impaction". Next, the remaining particulates travel through a secondary filter and then through the 95% DOP rated primary filter which collects smoke, mist and other submicron particles from the air stream by "interception". The blower is designed specifically to handle the filtration system at the rated CFM over the useful life of the filter.



General Information

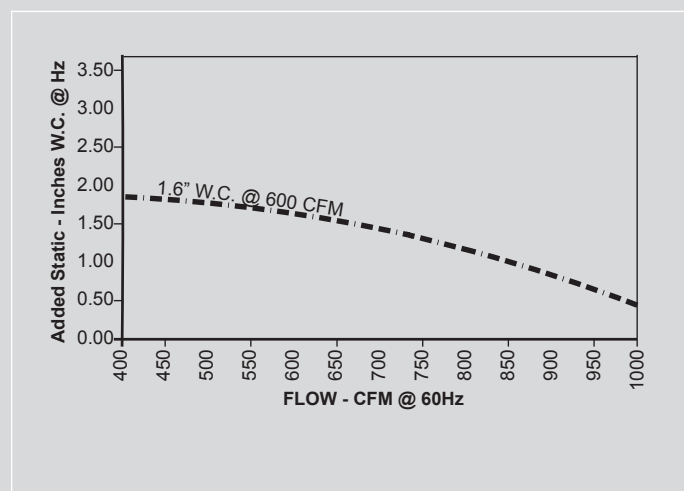
Unit Overview

Model	Air Boss MP600M
Performance	600cfm @ 1.6" TSP
Motor	½ HP TEFC
RPM	3500
Electrical UL and CSA	120V / 60Hz / 1Ph
Current	9.4 Amps
Blower	Forward Curved Direct Drive
Sound	67 dBa @ 5ft
Filters (Standard)	Prefilter
	2" Impinger
	2" Synthetic
Filters (Optional)	Primary Filter
	95% DOP 90ft²
	Aluminum Mesh
Plenum Options	Prefilter
	99.97% HEPA
	6" or 8" Hose Connection, 8" Arm
Weight	75 lbs
Controls	Switch
Dimensions	26" D x 26" W x 35" H

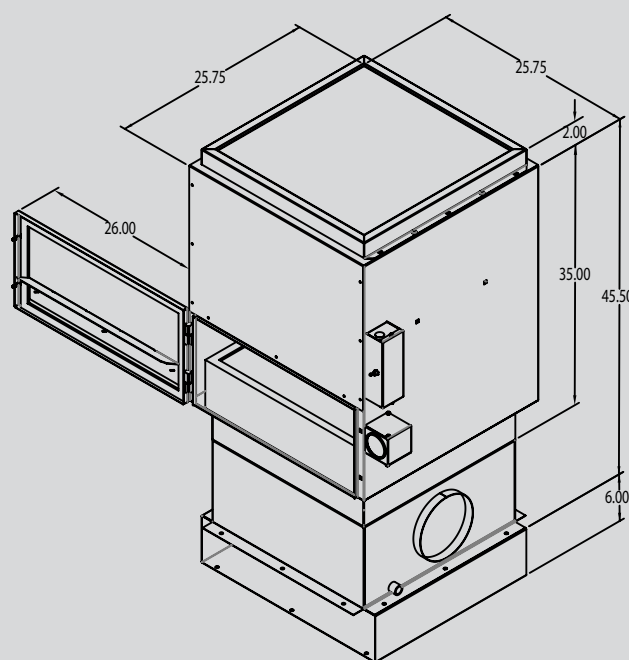
System Performance Curves without Filters

Added Static at Filter	600 CFM (In. W.C.)
99.97% DOP HEPA	1.00
95% DOP	.35
90-95% ASHRAE	.20
80-85% ASHRAE	.15
60-65% ASHRAE	.10
45-55% ASHRAE	.05
Impinger	.15
Aluminum Mesh Prefilter	.05
Glass Prefilter	.00

Note: To determine performance with various filter combinations, add total static of filters (from table) and subtract from specific option performance curves (below).



MP600M Dimensional Data





Our Air Boss® MP600M comes with a three-year limited warranty.



T-Series Electronic Air Cleaner

Learn more about other
TRION industrial products
by contacting your local
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visiting us on the web at
www.trioniaq.com.



Mini M.E. Mist Collector

TRION®
Indoor Air Quality

Indoor Air Quality Since 1947

ISO 9001:2015 Certified

Industry Membership:



T-MP600M-0518

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



**Manufactured with domestic
and foreign components.*

To help serve you better,
please contact us at:

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