



Clean. Easy. RED.

# Model MM800

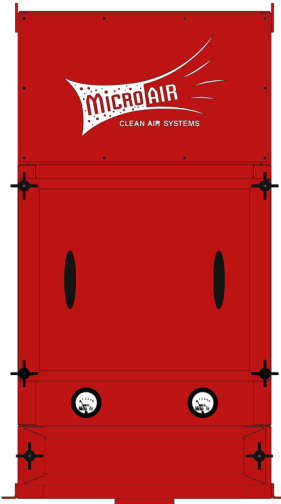
## Specifications and Technical Data

### TYPICAL APPLICATIONS

#### Source Capture of:

- Oil Mist, Smoke From High Speed Machining Centers
- Applications where 1-5 Year Filter Life is Desired
- High Volume Mist Applications - Oil or Water Soluble, Smoke

### Features:



- 800 CFM Actual
- Filter Life 1—5 Years
- New **MISTMAX™** Patented Filter Technology Competes with European Technologies
- Heavy Duty Cabinet - Rugged Construction
- 99.98 % Efficient Without Additional HEPA Filters
- Dual Gauges track static Pressure On Both the Pre-filter and the Primary Filter
- Front Load, Easy Filter Access
- High Capacity Direct Drive Blower
- Start / Stop Switch Std.
- Cam Lock Positive Filter Seal System Ensures No By-Pass

### Options:

- HEPA After-Filter
- Baffle / Mesh Pre-filter Combination
- Mist-X (Chevron) Prefilter
- Floor Stand

## Specifications

OVERALL DIMENSIONS: 54"H X 23.5" W X 24" D

WEIGHT: 320 LBS - ACTUAL; 360 LBS - SHIPPING

**CABINET:** 12 GAUGE WELDED GALVANEALD STEEL WITH EXTERIOR SURFACES GROUND SMOOTH.

**FINISH:** INDUSTRIAL GRADE TEXTURED BAKED CRIMSON RED ENAMEL PAINT INSIDE AND OUT.

**PREFILTERS:** EXCLUSIVE MIST-X PRE-SEPARATION FILTER (20" X 24" X 3")

**STANDARD PRIMARY FILTER:** EXTENDED LIFE, 99.98% HIGH EFFICIENCY, MULTI-LAYER CARTRIDGE STYLE FILTER.

**FILTER ACCESS:** FRONT LOAD THROUGH DOOR FOR EASY ACCESS.

**MOTOR:** 2HP, 208-230/460 VOLT, 60HZ, THREE PHASE, SINGLE SPEED, TEFC, MOTOR.

**BLOWER:** DIRECT DRIVE, HIGH STATIC, BACKWARD INCLINED IMPELLER.

**AIR VOLUME:** 800 CFM ACTUAL .

**FILTER CHANGE INDICATOR:** DUAL MINIHELIC GAUGES - STANDARD.

**ELECTRICAL:** 208/230/460 VOLT, 60HZ, 3-PHASE. PRE-WIRED TO NEMA 4 START/STOP SWITCH.

**INLETS:** BOTTOM 6" COLLAR STD.

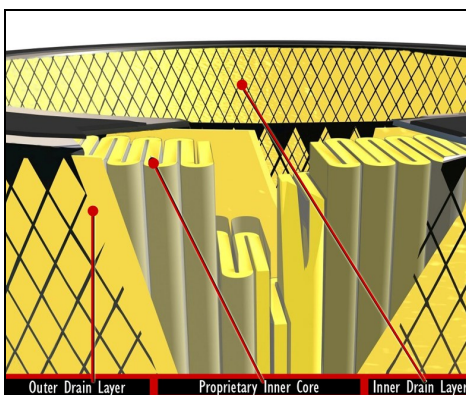
**SOUND LEVELS:** 73 dBA @ 5 FT.

**OIL DRAIN:** 1" NPT PIPE COUPLINGS (FEMALE).

**MOUNTING:** DIRECT TO UNIT OR OVERHEAD. OPTIONAL FLOOR STAND

## HOW IT WORKS

The future of oil mist filtration is here with Micro Air's newest development, the patented, extended life, multi-layered **MISTMAX™** oil mist filter. This new technology incorporates Brownian diffusion techniques (smaller particles randomly combine to form larger, more easily removed particles) along with traditional impingement technologies to provide the newest technological advancement in mist filtration. Depending on the application **MISTMAX™**



filters will provide 1-5 year filter life in applica-

tions such as high-speed machining centers, heat treating, cold drawing, gear cutting etc., operations once deemed too tough for traditional methods of mist collection.

Mist laden air flows through the inlet or inlets into the bottom plenum. The air then turns 90 degrees and goes upward through the exclusive Mist-X pre-separation filter where most of the oil is removed. Finally, the air goes through the two 99.98% efficient **MISTMAX™** filters These special filters remove any remaining mist and smoke. Clean air is then discharged at the top of the unit. Oil, removed from the airstream, drains out the bottom of the plenum.

Specifications subject to change without notice. \*All efficiencies are per ASHRAE 52-76.

**Sold and Serviced**

**by:**

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