

# AERPRO Enterprises, Inc.

## Models MistPRO 500 & 850

For small enclosures from: SWISS TURNING - SCREW MACHINES  
TURNING CENTERS - VMC'S - HMC'S - GEAR CUTTERS

**IMPROVE WORKING & SAFETY CONDITIONS BY REMOVING IN-PLANT OIL MIST**



### How the AERPRO Model MistPro works

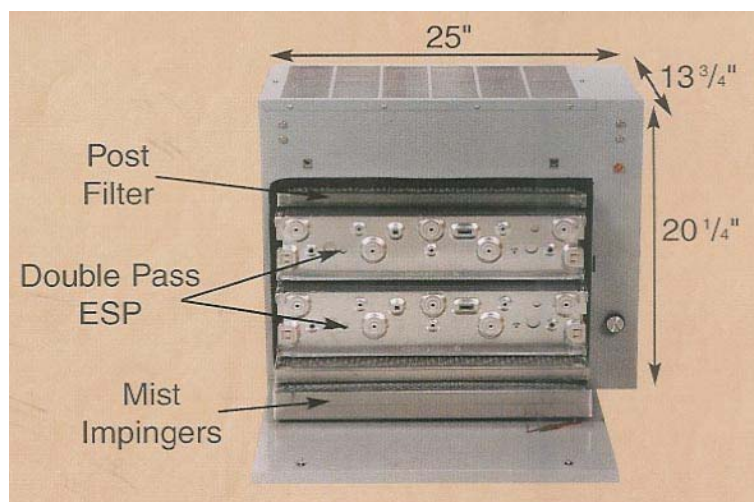
The AERPRO Model **MistPro** was developed to capture mist and smoke from metal working fluids while providing minimum maintenance for high pressure (600 – 1000 PSI) applications. The mist/smoke laden air is drawn first through a mechanical impinger to filter out large particulate.

The air stream is then drawn through an electrostatic cell where 95 – 97% of all sub-micron particulate is removed. The air stream continues upwards through a *second* electrostatic cell where the efficiency reaches **99+%** (ASHRAE 52.1). The air exits through a fourth stage filter prior to discharge out the top of the unit.



### Features & Benefits

- **Efficiency up to 99%**
- **Double pass ESP Cell**
- **Minimum maintenance**
- **Self-cleaning**
- **Extreme low power usage**
- **21<sup>st</sup> Century Electronics**
- **Performance guarantee**
- **Small footprint**
- **Low Profile**
- **Light neutral gray powder coat finish**
- **Four year warranty**



# AERPRO's MistPRO FEATURE & BENEFIT DETAILS

**Minimum maintenance:** Very low maintenance can be expected when collecting straight oil mist. Maintenance cycles can approach one year between cell and filter washing. It is not abnormal that the AERPRO Model MistPRO can go one year between cleaning cycles. Unlike most mist collectors, there are no filters to purchase, only occasional cleaning.

**Self-cleaning:** The MistPRO vertical air flow in conjunction with the variable speed control, allows for the unit to be virtually self-cleaning since the collected fluids drip down and clean or rinse the previous section.

**Extreme low power usage:** Media filters require 2 – 9" of static pressure across the filters. The Model MistPro requires less than ½", which translates to less than 250 watts of usage. Multiple machine units can save hundreds and even thousands of dollars annually over other units.

**21<sup>st</sup> Century Electronics:** Unlike old style electronic air cleaners, the snap and crackle has been eliminated due to advanced electronic circuitry. This proprietary design aids in the long maintenance cycles.

**Performance guarantee:** If after 60 days, you are not satisfied, return the unit for full credit.\*

\*(Unit must be cleaned and shipped prepaid in original shipping container.)

## Specifications:

Airflow - (50 – 650 CFM on Model 500), (50-900 CFM on Model 850)

Dimensions - 25" W x 13 ¾" D x 20 ¼" H

Sound level - 58 – 69 dBA

Weight - 82 lbs. (96 lbs. shipping)

Construction - Cabinet is 16 Ga. Welded with powder coated chemical resistant paint

Filtration:

1<sup>st</sup> Stage - 3" Mechanical impinger

2<sup>nd</sup> Stage - Electrostatic cell 53 ft<sup>2</sup> of collection area w/minimum gradient 20,000 volts/sq. in.

3<sup>rd</sup> Stage - Electrostatic cell 53 ft<sup>2</sup> of collection area w/minimum gradient 20,000 volts/sq. in.

4<sup>th</sup> Stage - 1" thick post filter

Blower - A Backward inclined and vibration free motorized impeller rated @ 500 or 850 CFM @ 1 ½"

Power - Solid state, dual voltage self-regulating power supply. 115/1/60 @ 2 amps



## Options:

Source capture inlet plenum

Machine mount stand

Ceiling hanging kit

Flex duct and clamps

Floor Stand

5<sup>th</sup> Stage HEPA absolute final filter 99.97% @ 0.3 microns

AerPro also manufactures downdraft tables, WetAer wet dust collectors, Sentry Soldering/Fume Collectors, 800 CFM/1500 CFM Shaker bag dust collectors, and Vertical and Horizontal media collectors from 350 –12,000 CFM.



*Distributed by*

Another AerPro Product from:

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