



# MIST COLLECTORS NOTHING ESCAPES



**ARO series  
Multi-Stage Oil Mist Collectors  
Versatile and flexible to cover all  
applications.**

**ARO-400  
ARO-600  
ARO-1100  
ARO-1400  
ARO-2000  
ARO-2500  
ARO-4000**

**Mist Eliminators at the best ...** Engineered to overcome many of the short falls of other technologies and designs. The design minimizes the reliance on replaceable filters, provides exceptional fluid drainage, suitable for high mist applications, exceptional air quality, low maintenance and low life-cycle cost.

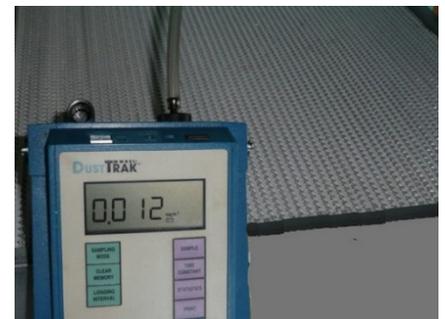
**Mist eliminators that will contribute to the bottom line...** After all, an unclean plant is an expensive plant, to company & employees. Contaminated air causes health problems, absenteeism, increased equipment & facility maintenance, all translates to production and profit losses.

**Mist eliminators that exceeds plant air quality by broad margins...** Don't be misled by efficiency claims, it is easy to be 99% efficient by removing large droplets, yet exhaust air remains above today's air quality demands. Exhaust mist measurement is what matters.

**Clean air...** typically less than 0.050 mg/m<sup>3</sup>, recommended plant limit 0.5mg/m<sup>3</sup>.  
*Let our sales experts show you.*

## **AEROEX Advantages**

- Multi-Stage separation
- Fibre bed filters
- Removes mist, smoke and bacteria.
- Up to 95% of mist separated without replaceable filters.
- Unique 1<sup>st</sup> and 2<sup>nd</sup> separation stages.
- Washable filters.
- Life cycle greater than 10 years, 1<sup>st</sup> & 2<sup>nd</sup> separation stages.
- Fluid readily drains to reduce evaporation and odors.
- Low life cycle costs.



*Leading edge technology for metalworking emissions solutions*

## Engineered to overcome the shortfalls of other designs



**Multi-Stage**  
*Progressive separation*  
**Depth filters**  
*Reduced potential of plugging*  
**Fibre bed filters**  
*High efficiency*  
**Cross flow design**  
*Fluid quickly drains back to sump*

*Long filter life*  
*Low operating costs*  
*Low maintenance*  
*Clean air*

The innovative **1<sup>st</sup> stage** “ME” Mechanical Element separates 90 – 95% of the mist and solids. The fluid drains quickly, reducing evaporation and odors. No other product is this effective and uses no consumables.

The **2<sup>nd</sup> stage** “AG” agglomerator filter is a unique depth filter, layers of stainless steel wire mesh weaved with oil attracting fibers. Efficiency is high as the air travels through a bed of coarse and fine fibers at low velocity. Channels between each layer provide exceptional fluid drainage. The media is very durable, it even looks bullet proof, lasting 10 – 15 years on most applications. Can be washed. *Used only on coolant applications.*

The **3<sup>rd</sup> stage** “CM” Coolant Mist filter is depth loading fibre bed filter that captures small mist particles. For oil applications, **3<sup>rd</sup> stage** “OM” Oil Mist fibre bed pack is an innovative two stage depth loading filter. Typical life 1 – 3 years.

Final **4<sup>th</sup> stage** “HF” HEPA filter captures sub-micron mist, smoke and bacteria. Efficiency 95% @ 0.3 micron is standard, optional 99.9% @0.3 microns.

Our HEPA filters are made exclusively for oil mist with heavy duty microglass media. No other product holds as much oil or lasts as long. Typical life is 2 – 4 years.

**Why Multi-Stage**, separation is done best in progressive stages. Compare a 2 stage collector, the first filter efficiency must be high to protect the final filter. The potential of the first stage filter plugging is high. Alternatively if the first filter efficiency is low, the final filter plugs.

**Why Depth Loading Filters**, the air travels through a depth or bed of filter media up to 1 inch thick. The risk of plugging is low, yet efficiency is high. In a pleated face loading filter, separation is on the surface of a very thin layer of filter media, the pores can plug very quickly.

**Why Cross Flow Design**, provides optimum separation and oil drainage. In up-flow mist collectors, the oil must drip directly into the air flow and even the filter below.

| Model    | cfm  | hp   | Voltage         | Dimensions (inches) | Weight (lbs) | Inlet (inches) |
|----------|------|------|-----------------|---------------------|--------------|----------------|
| ARO-400  | 450  | 0.75 | 115/230/460/575 | 32 x 21 x 36 ht     | 220          | 6              |
| ARO-600  | 700  | 1.0  | 115/230/460/575 | 43 x 21 x 36 ht     | 230          | 6 or 8         |
| ARO-1100 | 1100 | 1.5  | 230/460/575     | 40 x 25 x 42 ht     | 330          | 8 or 10        |
| ARO-1400 | 1400 | 2    | 230/460/575     | 49 x 25 x 42 ht     | 340          | 10             |
| ARO-2000 | 2000 | 3    | 230/460/575     | 50 x 25 x 49 ht     | 390          | 12             |
| ARO-2500 | 2500 | 5    | 230/460/575     | 55 x 25 x 50 ht     | 605          | 12             |
| ARO-4000 | 4000 | 7.5  | 230/460/575     | 65 x 28 x 77 ht     | 1200         | 18             |

See model leaflet for additional specifications

Distributed by:

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