



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/m³, recommended plant limit 0.5mg/m³.
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 1st and 2nd separation stages.
- Washable filters.
- Life cycle greater than 10 years, 1st & 2nd 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 **1st 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 **2nd 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 **3rd stage** “CM” Coolant Mist filter is depth loading fibre bed filter that captures small mist particles. For oil applications, 2 high efficiency “OM” fibre bed filters are used..
 Typical life 1 – 3 years.

Final **4th 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 | 2 | 230/460/575 | 47 x 25 x 42 ht | 340 | 8 or 10 |
| ARO-1400 | 1400 | 2 | 230/460/575 | 47 x 25 x 42 ht | 340 | 10 |
| ARO-2000 | 2000 | 3 | 230/460/575 | 48 x 25 x 51 ht | 390 | 12 |
| ARO-2500 | 2500 | 5 | 230/460/575 | 53 x 25 x 50 ht | 605 | 12 |
| ARO-4000 | 4000 | 7.5 | 230/460/575 | 74 x 25 x 79 ht | 1200 | 18 |

See model leaflet for additional specifications

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