



MIST ELIMINATORS

NOTHING ESCAPES



**Wide range, versatile and flexible
to cover all applications.**

ROX-400
ROX-600
ROX-800
ROX-1100
ROX-2000

Mist Eliminators at the best ... Engineered to overcome many of the short falls of other technologies and designs. The design minimizes the reliance on 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 0.020 mg/m³, recommended plant limit 0.5mg/m³.
Let our sales experts show you.

AEROEX Advantages

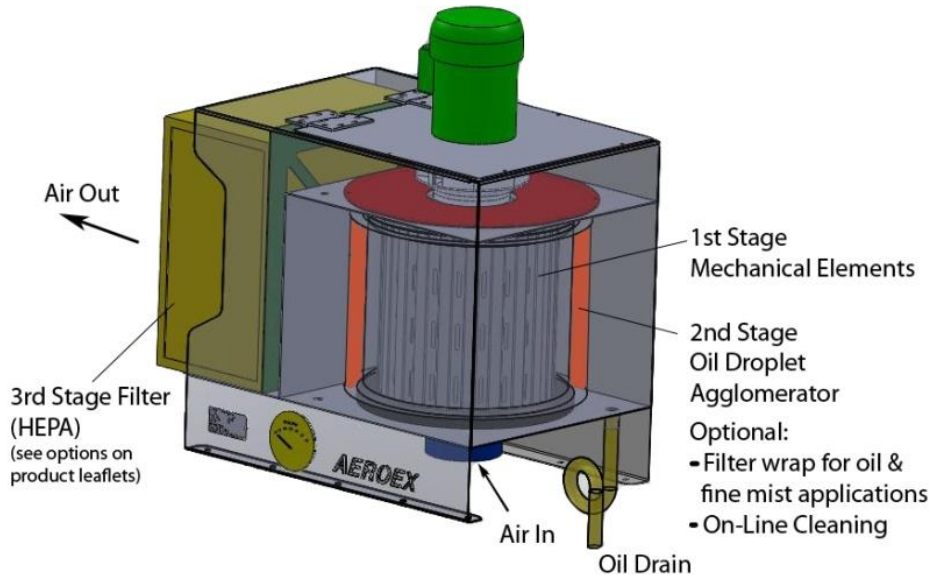
- Removes mist, smoke and bacteria.
- 90 – 95% of mist separated without filters.
- Unique permanent 2nd stage oil droplet agglomerator filter.
- Life cycle greater than 10 years, 1st & 2nd separation stages.
- Fluid readily drains to reduce evaporation and odors.
- Low life cycle costs.
- Machine mount, central systems & ducted exhaust.



Leading edge technology for metalworking emissions solutions



Engineered to overcome the shortfalls of other designs



**1st and 2nd stages...
revolutionary separation
technique !**

- **High separation efficiency**
- **Long Life cycle >10 years**
- **Cross-flow design**

The innovative **1st stage** mechanical elements separates 90 – 95% of the mist and solids. The fluid drains out of the air flow, reducing evaporation and odors. No other product is this effective and uses no consumables.

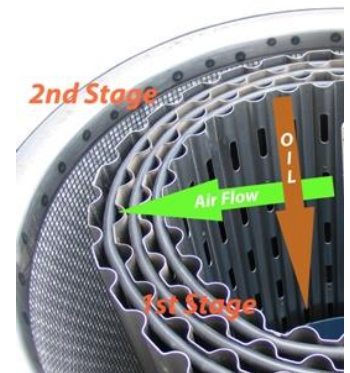
The **2nd stage** oil droplet agglomerator is an unique depth filter, layers of stainless steel wire mesh weaved with oil attracting fibers. Efficiency is high as the air travels through a bed of coarse and fine fibers at low velocity. Channels between each layer provide exceptional fluid drainage. Optional is an On-Line Cleaning System for flushing out congealed coolant concentrate and fine solids. Alternatively, the media can be cleaned in place with coolant or water hose. On most applications, cleaning is only every 2 – 5 years. The media is very durable, it even looks bullet proof, lasting 10 – 15 years on most applications.

Optional 2nd stage filter wraps:

Single wrap for high coolant mist or cast iron fines.
Double wrap for straight oil applications.

The **3rd stage filter** is a policing filter to capture sub-micron mist, smoke and bacteria. A selection of filter options are available from 90% ASHRAE (MERV 14) to HEPA 99.97% @ 0.3 microns. Our HEPA 95% @ 0.3 microns is 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.

Cross Flow Filter Design of 1st & 2nd stages provides optimum separation and oil drainage. In up-flow mist collectors, the oil must drip directly into the air flow and even onto the filter below. This can greatly reduce air flow and filter life



Model	cfm	hp	Voltage	Dimensions (inches)	Weight (lbs)	Inlet (inches)
ROX-400	400	0.5	115/220/460/575	26/34 x 21 x 36 ht	210	6
ROX-600	600	0.75	115/220/460/575	26/34 x 21 x 36 ht	210	6
ROX-800	800	1	230/460/575	40 x 25 x 44 ht	330	8
ROX-1100	1100	2	230/460/575	40 x 25 x 44 ht	330	8
ROX-2000	2000	3	230/460/575	58 x 26 x 52 ht	450	10

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