

MONROE

Coalescing Oil Mist Collectors



- Efficient two stage design
- Coalescing primary stage
- Oil, mist, smoke and vapor removal
- Efficiencies up to 99.9% on 0.3 micron
- Capacities from 500 to 80,000 CFM
- Low energy requirement
- Continuous draining during operation
- Low maintenance
- Ergonomic considerations

Self-Contained, Single Unit Design

The Monroe Coalescing Oil Mist Collector is designed to collect and remove airborne oil mist, smoke and sub-micron vapors generated by operations such as high production machining and cold forming. It is a multiple stage collector that has proven capabilities exceeding 99% efficiency on many installations.

After installation of a Monroe Coalescing Oil Mist Collector, high production machining areas using water soluble, synthetic or mineral coolants can discharge clean, filtered air back into the work area, reducing climate control costs.



Broad Range of Industrial Capacities

The Monroe Coalescing Oil Mist Collector is available in capacities from 500 CFM to over 80,000 CFM in a single unit, and may be integrated with existing ductwork and ventilation systems.

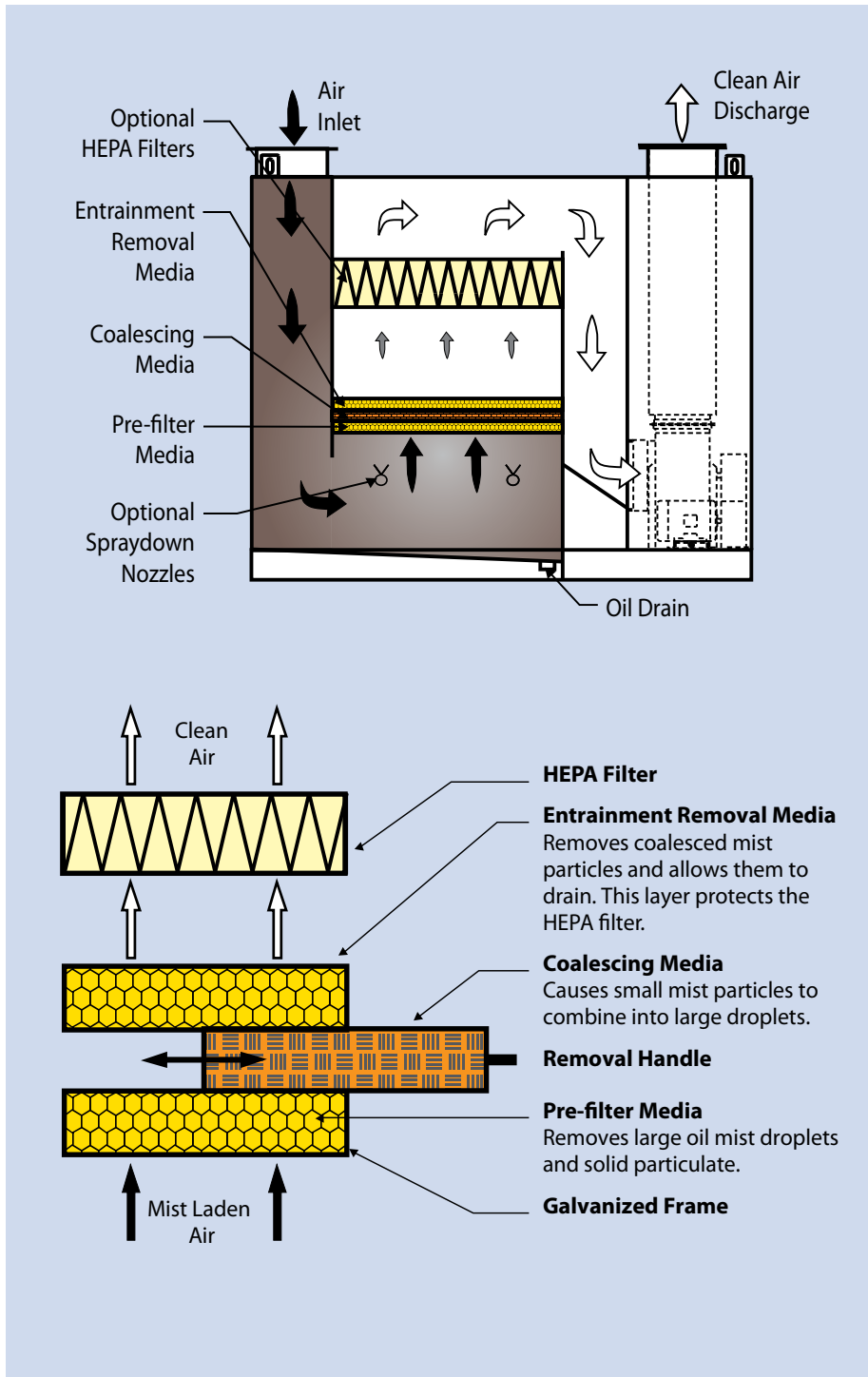
Designed for Minimum Maintenance

The Monroe Coalescing Oil Mist Collector is designed for continuous draining during operation, resulting in typical filter media life of 4,500 hours or more, even under heavy inlet loading.

Design Leadership

The Monroe Coalescing Oil Mist Collector, with longer operating cycles and higher collection efficiency, outperforms all other collectors. Because of slower internal velocities through the collector, media replacement and maintenance labor costs are reduced. Collected oil mist and solids are continuously drained from the media without shut-down, significantly prolonging filter life and lowering overall operating costs.

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Special Features

Heavy gauge steel is used for most installations, but special construction materials are available to meet specific applications. Welded seams and built-in lifting hooks provide rugged durability.

Large, easy to open access doors, each with air-tight seals, for all service-able areas.

An AMCA rated fan on the outlet side of the collector with either a direct coupled motor or a "V" belt drive.

Quiet operation. Flexible duct connections, fan mounting isolators, sound attenuators and fan enclosures are available.

Integral pressure gauges are available to indicate when filter maintenance is required.

Complete electrical controls to meet customer requirements are available.

Many Configurations Available

Monroe Coalescing Oil Mist Collectors are available in various configurations to meet your needs. Units can be suspended from the ceiling or other supporting structures to conserve floor space.

Monroe Environmental designs and builds air/gas cleaning and odor control equipment including:

- Packed Bed Scrubbers
- Venturi Particulate Scrubbers
- Dry/Carbon Adsorbers
- Dry Dust Collectors
- Oil Mist Collectors
- Complete Engineered Systems



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