

MONROE

Compact Oil Mist Collectors



- Multiple stage collection system
- Oil, mist, smoke and vapor removal
- Efficiencies up to 99.9% on 0.3 micron
- Capacities from 500 to 1,000 CFM
- Low energy requirement
- Continuous draining during operation
- Low maintenance
- Ergonomic considerations
- Vertical and horizontal configurations

Self-Contained, Single Unit Design

The Monroe Compact 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 Compact 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 system costs.



Open door showing separator screen element (bottom), fiberglass ASHRAE box (middle) and HEPA filter (top).



Broad Range of Industrial Capacities

The Monroe Compact Oil Mist Collector is available in capacities from 500 CFM to 1,000 CFM in a single unit which may be floor, truss or machine tool mounted.

Designed for Minimum Maintenance

Air flow to filter media ratio is held low to prevent saturation blocking. This eliminates downtime due to collector malfunction and minimizes periodic changing of filter media.

The Monroe Compact Oil Mist Collector is designed for continuous draining during operation.

Design Leadership

The Monroe Compact Oil Mist Collector, with more filter media, longer operating time between filter changes, and higher collection efficiency, outperforms all other collectors in its class. 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

12 & 14 gauge steel is used and built-in lifting hooks provide rugged durability.

A large, easy to open access door, with air-tight seals, for all serviceable areas.

An AMCA rated fan on the outlet side of the collector with a direct coupled motor.

Quiet operation. Under 80 dBA sound levels.

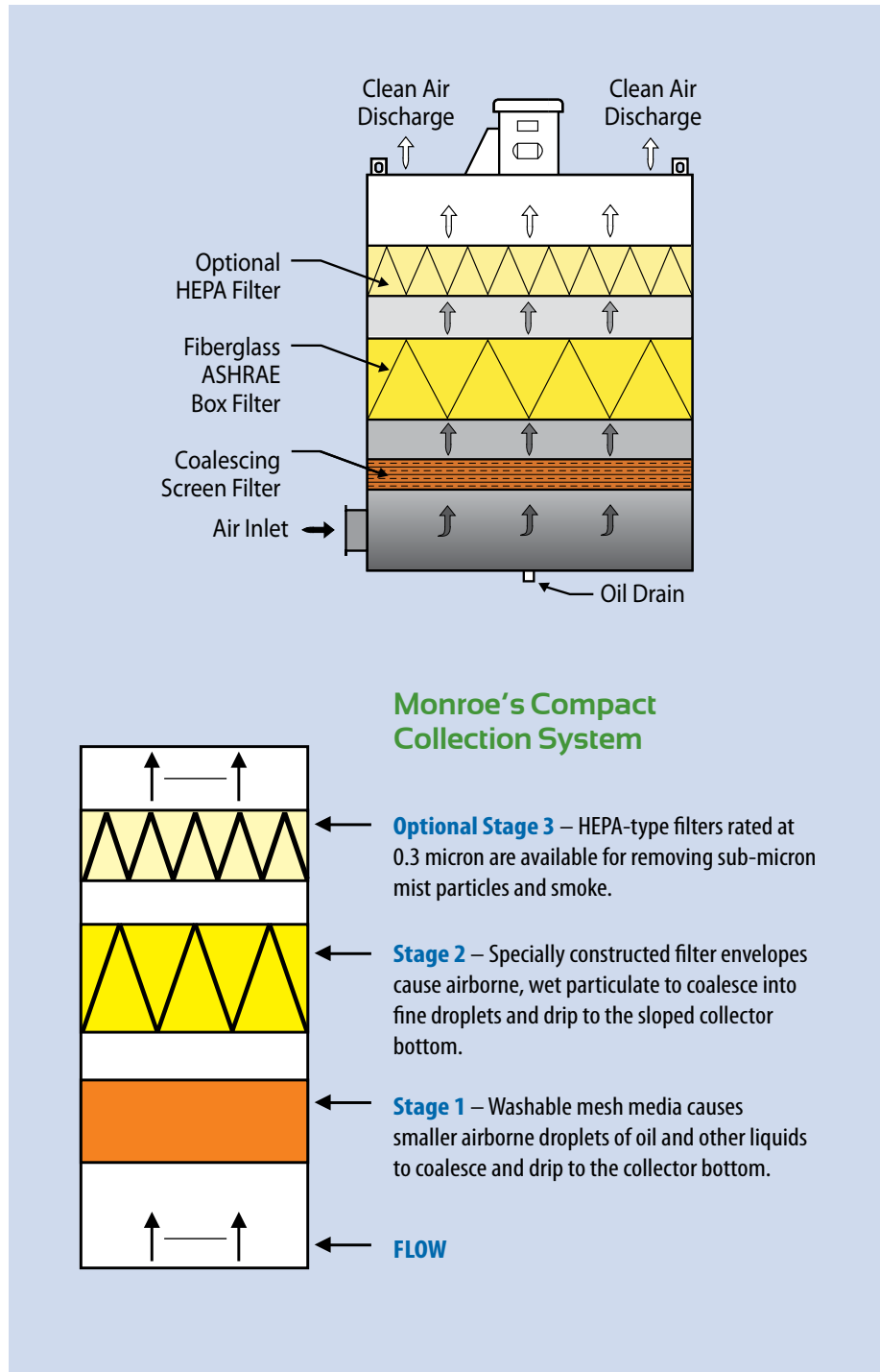
Integral pressure gauges are available to indicate when filter maintenance is required.

Complete electrical controls to meet customer requirements are available.

Capacity range from 500 to 1,000 CFM.

Vertical and Horizontal Mounting Configurations Available

Monroe Compact Oil Mist Collectors are available in various mounting 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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