

SMARTAIR SOLUTIONS™

Spraybooth Ceiling Filter Design

The new **SMARTAIRE SOLUTIONS™** Spraybooth Ceiling Filter design controls supply air downdraft and distribution within an automotive paint spray booth.



Quality

Paint over spray is efficiently contained, reducing paint repairs.
Enhances uniform paint application and film build consistency.
Allows ideal airflow and distribution to be customized for each zone.
Pleated filter element and grid design eliminates dirt bypass.

Energy

Decrease supply fan speeds for lower airflow in unused portions of the booth.
Decrease supply fan speeds for lower system pressure drop.

Materials and Labor

Reduces paint waste.
Reduces maintenance labor for filter changes.
Reduces maintenance labor for booth equipment cleaning by controlling overspray.
Replaces ceiling filter and diffusers for most existing spraybooth designs.
Replaceable pleated filter element has a life of five years plus.

Availability: The new SMARTAIRE SOLUTIONS™ Spray Booth Ceiling Filter is available from *OMEGA Productive Services, Inc.* for new construction and retrofit installation.

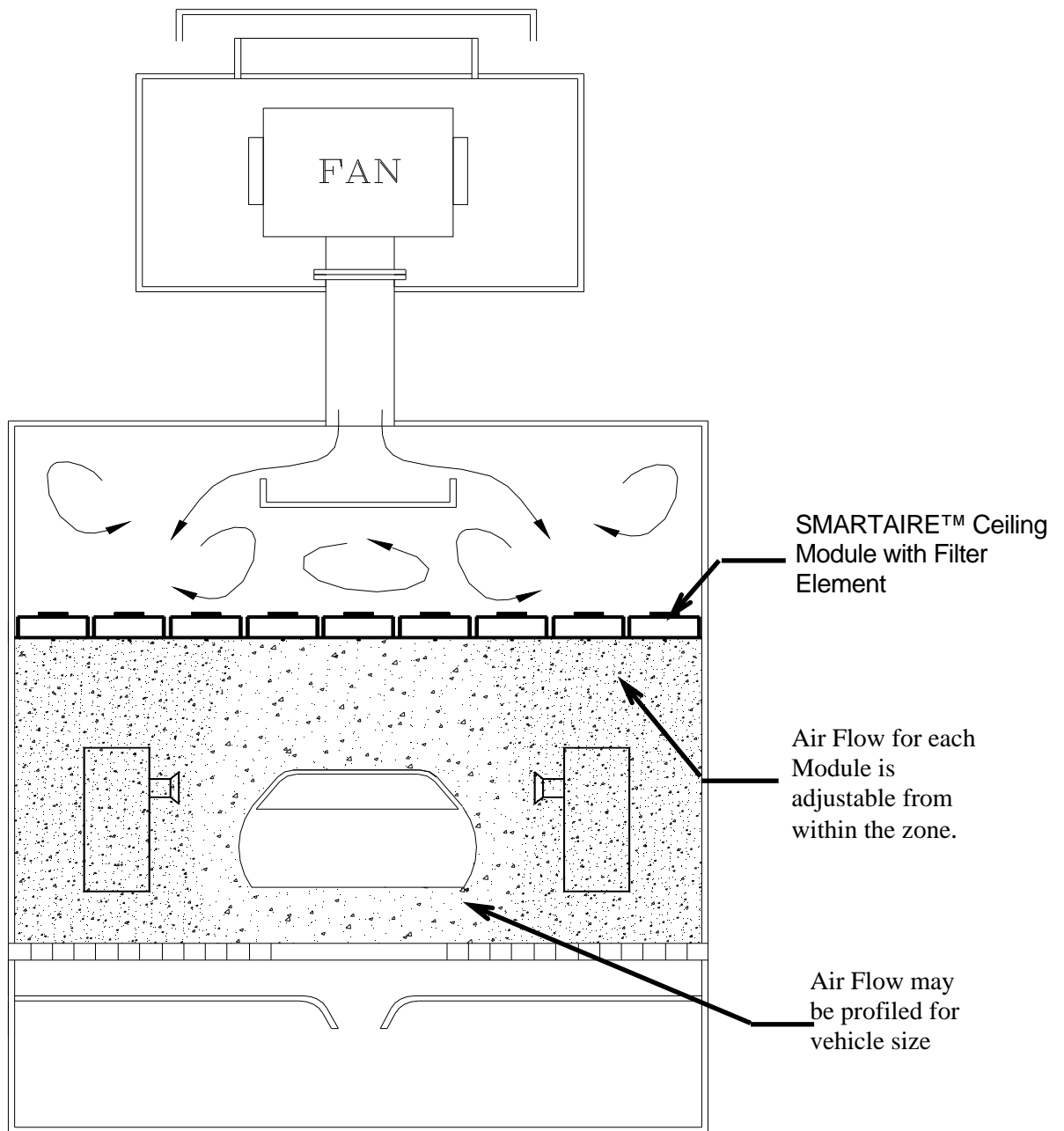


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Phone (248) 409-1062 Fax (248) 409-0001



New Spray Booth Ceiling and Ceiling Retrofit using
SMARTAIRE SOLUTIONS™
 for Improved Air Flow Distribution



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SMARTAIRE SOLUTIONS™ FACT SHEET

Pricing:

- Depends on how the product is applied. Option include:
- Full ceiling or partial ceiling.
- New or retrofit installation.
- Could replace secondary filters and/or Viledon diffusion media.
- Difficulty of retrofit, or local conditions.

Availability:

- Marketed only through OMEGA as an engineered product.
- Hardware available in 6 to 8 weeks after engineering approval.
- Typical installation time from 1 weekend to a shut down period.
- Typical total project time 12 to 16 weeks.

Payback:

- Significant reduction in spraybooth hardware costs for a new installation due to shallow 4 foot plenum, no diffuser baffles or perforated plates, no custom ceiling sheet metal for diffusion media.
- For retrofit projects, operating cost savings in paint, energy, filters, and cleaning labor will drive projects with 1 to 2 year pay back periods.

Performance:

- 95 % ASHRAE air filtration efficiency, with zero bypass. (Equivalent to MF90 secondary filters)
- Provides true laminar air flow over the part to enhance painting efficiency.
- Low air pressure drop over the life of the filter, 0.4 to 1.2 inch WC.
- Filter life in excess of (5) five years.
- Air flow profiling capability over the standard 2' by 2' or 2' by 4' grid.
- Downdraft range 40 FPM to 100 FPM.
- Fire rating to FM standard.
- Diffusion media option available for filter protection from paint overspray and cleaning debris.



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