

AMACS FGD Vane Mist Eliminators

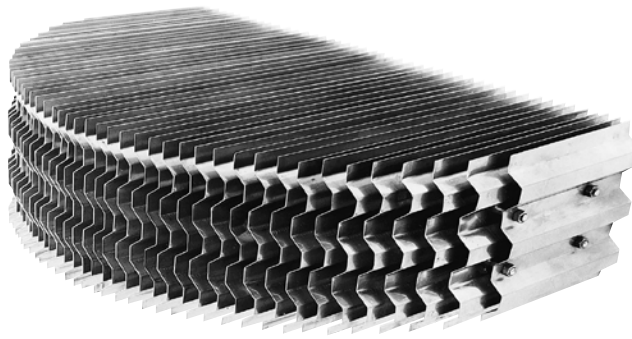
For FGD Scrubbers in Power Plant Applications

Design Specifications AMACS Vane blade profile is developed specifically for potentially fouling lime and slurry applications. They create a low pressure drop and provide high efficiency performance due to the essentially open design incorporating rods and spacers in conjunction with specially designed corners to eliminate dead spots. The absence of collection hooks or grooves in this vane design make it highly resistant to plugging and easy to wash either manually or with an automatic system.

With each of its three passes, the AMACS vane profiles capture liquid droplets through impaction separation of the droplets. A specially designed corner as opposed to a smooth contour improves liquid drainage by minimizing creepage of the droplets along the leading edge.

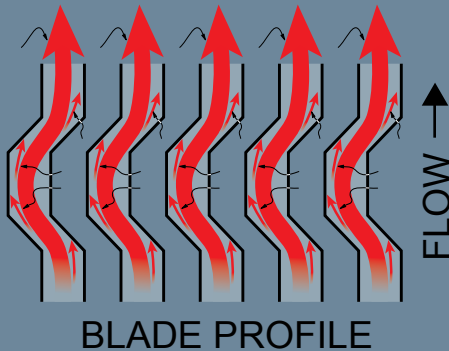
Materials of Construction

- All metal alloys
- Thermal set plastics (injection mold)
- FRP (Fiber reinforced plastics) using standard or special resins



Applications

- FGD absorbers
- Scrubbers
- Evaporators



Mechanical Specifications

- Blade profile height: 5" or 8"
- Profile depth: 1/2" - 3/8"
- Blade thickness: 26 Ga.
- Blade spacing: 1/2" - 3/8"



Installation

Proper sealing is necessary to avoid bypass and to optimize separating efficiency. AMACS provides drawings to ensure the correct support ring size, support beams and hold down bars are used.

Experience

AMACS has over 70 years of combined experience in designing Vane mist eliminators for a wide range of applications. Our installed base is large and worldwide. Call our engineers for your next project or replacement.

Performance

Vane efficiency and pressure drop are measured at AMACS test facilities in Houston TX. Efficiency range from 15-40 micron droplet removal at 99%, wet pressure drop ranges from 0.1 to 1.0 (WC)

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