

Patent Pending



Demister XL

Self-Contained Oven and Fryer Exhaust Filtration System; Eliminates Grease and Particulate Build-Up

Food processors using ovens and fryers to cook their product often encounter significant maintenance and housekeeping issues with grease and particulate carryover in the exhaust stream. This is a significant issue in heavy breading applications.

The Demister XL Filtration System uses a multi-stage process of velocity reduction, change in air direction, water spray scrubbing, and demister pad filtration to filter grease, oil, breading and particulate from the exhaust air stream. There are no moving components in the demister vessel, and it is easy to clean. The filters are automatically rinsed while in production and the waste materials are continuously washed away resulting in consistent filtration performance. The internal Water Recirculation System reduces water consumption and operating costs. Demister pad filters can be completely cleaned without being fully removed from the unit. This exhaust filtration system also limits the number of roof cleanings, reduces pest control issues, extends the life of the roof and reduces maintenance costs.



Filters foamed and cleaned without removal



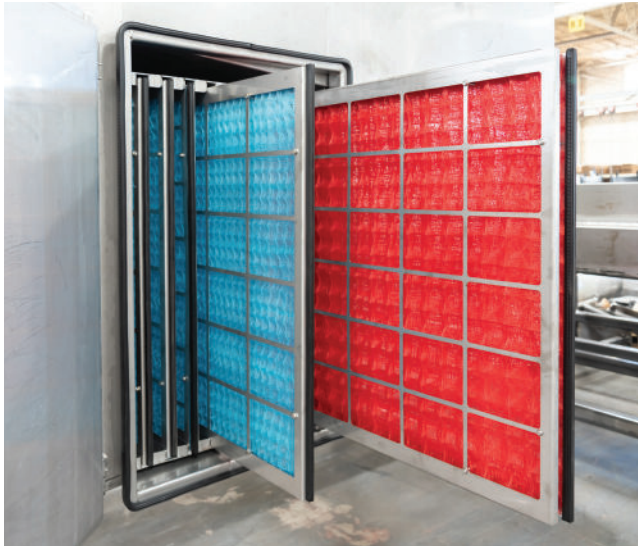
Periodic water spray

- Excellent solution for exhaust from heavy breading applications
- 99% efficient for particles 5 micron and greater
- 80% efficient for 3 micron particulate

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Filters



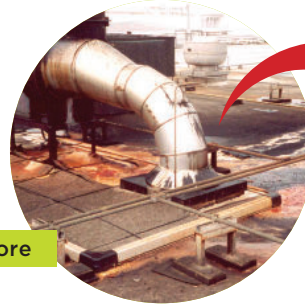
- Filters are rinsed periodically during production to maintain effectiveness
- Water recirculation system is incorporated to save water
- Demister foaming and cleaning process for filter media
- Control logic ensures unit always has water source to maintain filtration efficiency

Combined with a Venturi Exhauster

Reduces Maintenance and Eliminates Downtime by Removing the Impeller from the Exhaust Air Stream

- Consistent dependable exhaust performance
- Blower handles ambient air
- Duct can be thoroughly cleaned without damaging the blower

Eliminates grease and oil accumulation on roof



Venturi Exhausters for cooking exhaust applications

