CAPTRATE®
Grease-Stop™ Combo Filter

FAN & CLEANING EQUIPMENT REQUIREMENTS

Due to its high efficiency the Grease-Stop™ Combo Filter has a higher pressure drop than standard baffle filters and will require greater fan capacity. The Grease-Stop™ Combo Filters can be used for both new and retrofit applications.

Fan Characteristics (to assure proper capture and containment by hood)

For New Installations

1. Determine the flow rate (CFM) through the hood required for capture and containment.
2. Determine the overall filter area (ft^2).
3. Divide the flow rate by the overall filter area to obtain the average filter face velocity (CFM/ft^2=FPM).
4. Using the table below, determine the pressure drop (inches of H_2O) with the Grease-Stop Combo Filter at the calculated face velocity.
5. Size the fan based on flow rate and pressure drop obtained from the table plus other system losses.

For Retrofit Applications

1- Measure the average face velocity (FPM) of the current filters.
2- Using the table below, determine the pressure drop with the Grease Stop Combo Filter at the measured face velocity.
3- Determine the overall filter area (ft^2)
4- Determine the flow rate (CFM) through the hood by multiplying the measured velocity by the filter area.
5- Determine the required fan capacity based on flow rate and pressure drop obtained above.

If fan does not currently meet requirements, it may be possible to increase the fan capacity by changing the pulley and/or adding a larger motor or it may be necessary to replace the fan. Placing side panels on the hood or redirecting make-up air to eliminate any affect on the cooking plume can also reduce the required flow rate.

Face Velocity (FPM)	Pressure Drop ("H_2O)
150	1.1
200	1.5
250	2.0
300	2.5

Cleaning Equipment

A warewasher or dishwasher with an effective commercial detergent (e.g. Ecolab's Solid Power Plus) is required to properly clean Grease-Stop™ Combo Filters. Some applications depending on cooking emission might need soaking overnight in effective soaking solutions such as Prism[1] or Ecolab[2] soak tank solutions are recommended.

[1] 800-677-7476
[2] 800- 352-5326