



Breathe easy.

Gaylord Industries
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To: Consultants, Designers and Specifiers

THE #1 REASON FOR SMOKE LOSS IN EXHAUST HOODS IS MAKE-UP AIR!

DO YOU WANT A GUARANTEE SO IT WON'T HAPPEN ON YOUR PROJECT?

Many kitchens suffer from the improper design of make-up air; more specifically the way the air is brought into the kitchen. The improper introduction of make-up air is the #1 cause of smoke loss in kitchen ventilation. The effects can impact health, sanitation and fire safety and when it goes bad the blame gets volleyed around because the solution is often complex and expensive. Sound familiar?

Fortunately there is a solution, in fact a **GUARANTEE**, and it comes from GAYLORD INDUSTRIES every time you included the following verbiage in your project specifications:

MAKE UP AIR FOR THE EXHAUST HOOD SHALL BE INTRODUCED INTO THE KITCHEN THROUGH PLENUM BOXES DESIGNED, ENGINEERED AND SUPPLIED BY GAYLORD INDUSTRIES. PLENUM BOXES SHALL BE MODEL "PBW" AND BE LOCATED AND INSTALLED BY THE APPROPRIATE CONTRACTOR ACCORDING TO THE APPROVED SHOP DRAWINGS PROVIDE BY GAYLORD INDUSTRIES.

This GUARANTEE is a great value because it puts the responsibility for proper performance squarely on our shoulders, which is exactly where it should be. As our tag-line says, Breathe Easy...We have the solution for you.

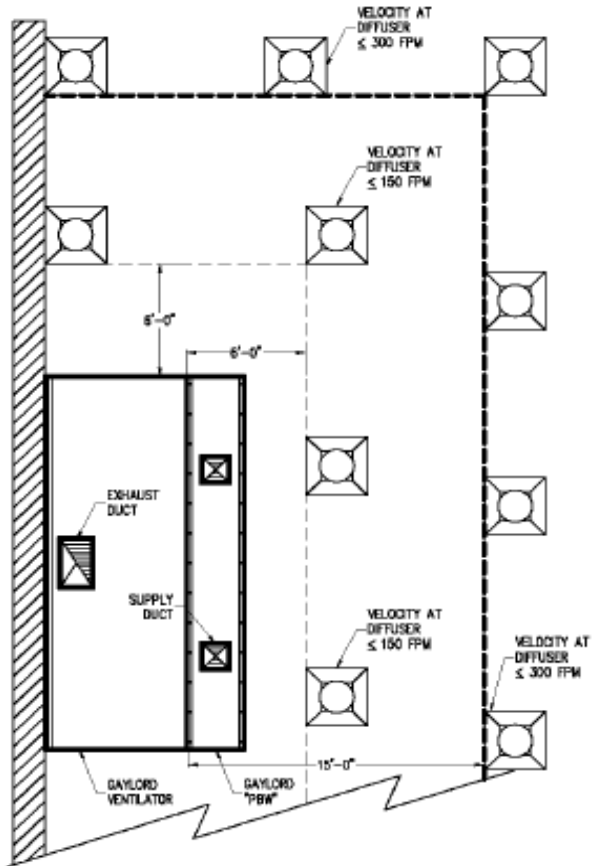
Thank you for including the GAYLORD Model "PBW" make-up air plenums in your specifications and passing this GUARANTEE on to your customers.

A better working kitchen by working together ... it's more than a concept, it's a GUARANTEE!



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Gaylord Capture Performance Guarantee

Gaylord warrants the Capture Performance of the ventilator, only if the Exhaust Air Volumes are correct, per the Exhaust Air Volume Guidelines, and the Make-up Air Volumes are correct and the make-up air is delivered correctly, per the Make-up Air Delivery Guidelines as stated below.

Exhaust Air Volume Guidelines:

1. The amount of air exhausted by the Gaylord Ventilator shall be between 100% and 110% of the values shown on the Plan View for the Exhaust Ducts for each ventilator

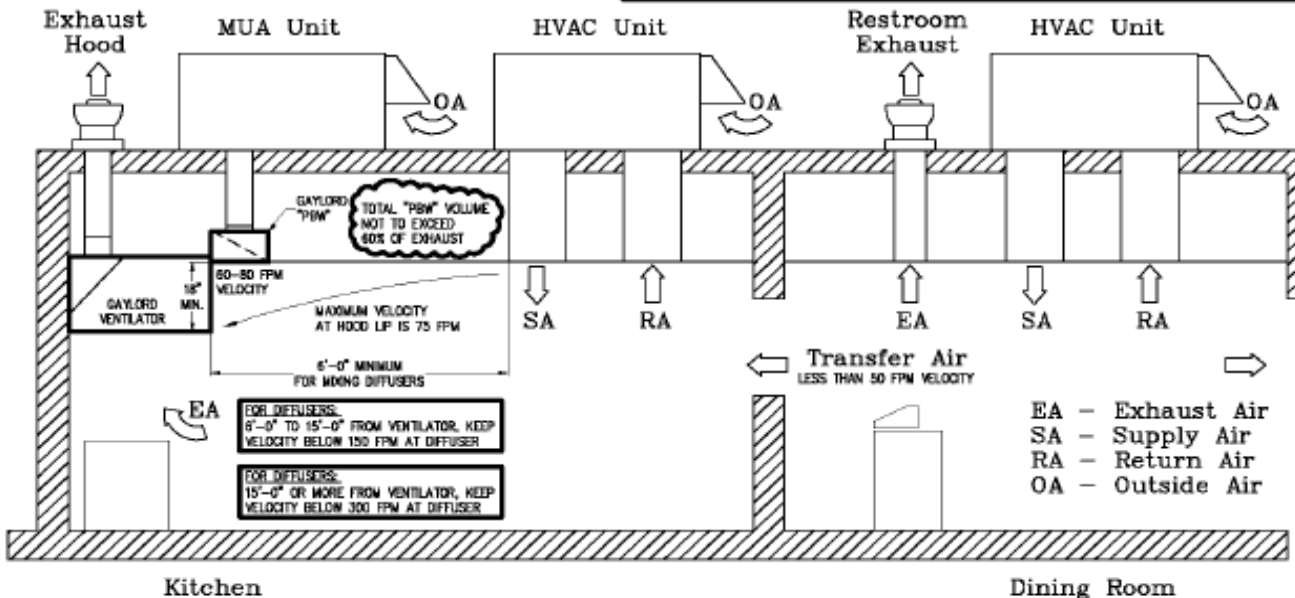
Make-up Air Delivery Guidelines:

1. Gaylord "PBW" Plenum boxes shall be included for each ventilator
2. The amount of make-up air delivered through the Gaylord "PBW" plenum boxes shall be between 90% and 100% of the values shown on the Plan View for the Supply Ducts for each ventilator
3. The make-up air delivered using Gaylord "PBW" plenum boxes shall not exceed 60% of the exhaust volume of the ventilator
4. Ceiling diffusers shall be at least 6'-0" from all sides of the ventilator and the velocity at the diffuser shall not exceed 150 Feet per Minute (FPM)

OR

5. Ceiling diffusers shall be 15'-0" from all sides of the ventilator and the velocity at the diffuser shall not exceed 300 Feet per Minute (FPM)
5. The maximum velocity of the make-up air from Transfer Air, Diffusers, etc. shall not exceed 75 FPM at the ventilator lip
6. Cross drafts from pass through windows, hallways, or other openings shall not exceed 50 FPM
7. All forms of make-up air introduction (PBW, Transfer Air, Diffusers, etc.) must be evenly distributed around each ventilator to prevent unequal pressurization
8. Kitchen pressurization shall not exceed -0.02"W.G. relative to the dining or adjacent spaces, as stated in NFPA-96 and ASHRAE Standard 154
9. For more information on acceptable methods of Make-up Air Delivery reference ASHRAE Standard 154.

Following these guidelines will result in proper capture and containment at the ventilator and enact the Gaylord Capture Performance Guarantee. If jobsite conditions cannot accommodate these guidelines, consult factory for alternative design.



TYPICAL DESIGN