



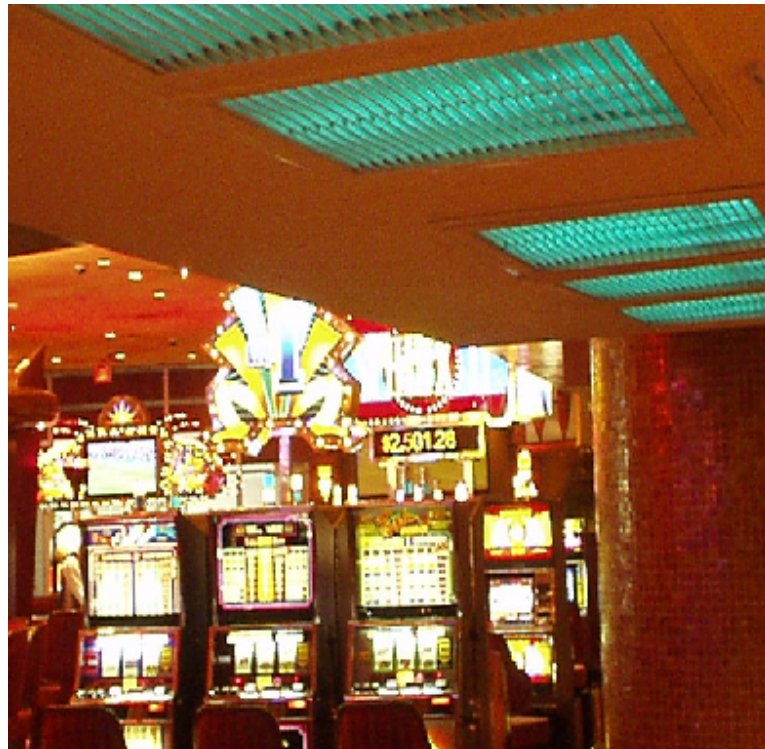
CREATING CLEAN AIR TO BREATHE



2008DT APPLICATIONS GUIDE

INTRODUCTION

The Genesis Air 2008DT is a ducted-in unit used to reduce the levels of Volatile Organic Compounds (VOC's) and viable airborne biological contaminants. The unit is utilized in the returns of an Air Handling System (AHU). The 2008DT uses one Genesis Air PCP Standard panel. It is suitable for spaces up to 4000 ft³. For recommended unit configurations, consult the 2008 GAP Product Calculator supplied with packet. Contact Genesis Air if you do not have one. All Genesis Air products incorporate 3-step GAP technology: MERV Filtration, UVGI Lamps and Photocatalysis.



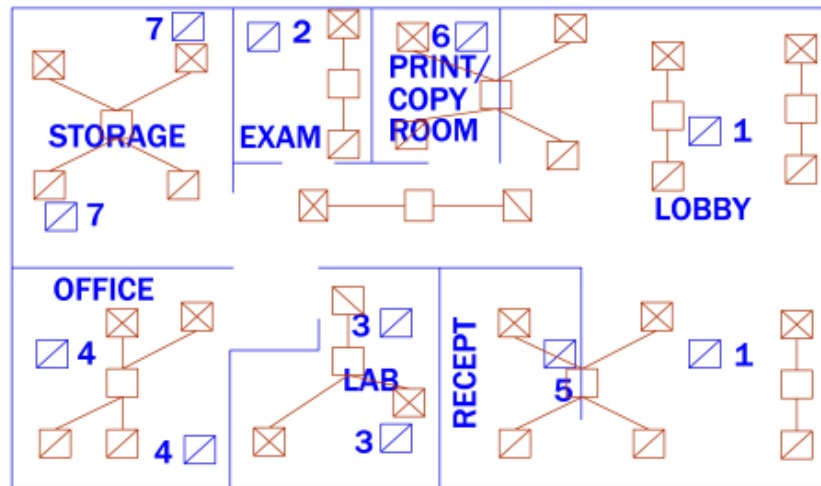
EXAMPLES OF USE

The 2008DT is suited to treat isolated contaminants before returning to the air handler. Examples of uses are in public restrooms, laboratories, smoking lounges, casino floors and any or all return grilles when no space is readily accessible in the air handler. This includes wall-mount return/filter grilles.

DIMENSIONAL DATA

The Genesis Air 2008DT is made to fit into drop-tile ceiling grids, using a 24"x 24"x 11" space. Bear in mind that an adjustable elbow may be necessary to attach duct to the top of the unit, which will add height to the return. The 2008DT weighs 25 lbs.

INSTALLATION EXAMPLE



LOCATION OF DT'S EXAMPLE
LOCATION OF DT-FP'S EXAMPLE

Rationale:

1. Reduce the threat from airborne contaminants at common entry point, such as mold, bacteria, viruses, and odors.
2. Reduce the possibility of potentially immuno-compromised people from airborne risks.
3. Reduce noxious odors and vapors from entering into the returns of the air handler.
4. To provide a safer environment for staff and personnel.
5. The receptionist area is the staff's first point-of-contact with potential bio-hazards.
6. Local VOC source.
7. If this is a dock with forklifts, these are large sources of VOC's and other contaminants that can be re-circulated into the air handlers.

Of course, use good judgment. Find out what is in each room, and what must be removed. The use of any stand-alone system, such as a 2008DT-FP, will reduce the overall load of contaminants entering the air handlers. **Note: The 2008DT may be mounted in any return orientation: Sidewall, ceiling or floor.**

PCP STANDARD DATA

Each Genesis Air PCP Standard used in the 2008DT series has nominal dimensions of 20" x 20"; actual dimensions are 1/2" less than nominal. All PCP Standard units are 6" deep nominal; actual dimension is 5 13/16". The catalyst is pleated at one pleat per inch. Three lamps are spaced 6" from each other, then centered over the width of the panel.

LAMPS

Genesis Air lamps do not produce ozone! The lamps provide a minimum intensity of 775 microwatts/cm² (5 milliwatts per square inch) at 10.77 centimeters (4.24”) to activate the catalyst effectively. To maintain tested performance, lamps may not be substituted with another manufacturer’s products. These lamps provide UV-C wavelengths @ 254 nm. All lamps must be replaced yearly (9000 hrs) to maintain intensity requirements. Genesis Air Teflon-coated lamps contain trace amounts of mercury, encapsulated within the lamp and therefore reducing risk to the consumer or ecosphere.

FILTRATION

The Genesis Air 2008DT is equipped with one 20”x 20”x 4” MERV 13 filter. These filter grilles must be placed near the source of contaminants to be effective, i.e. in the smoke layer in a casino.

POWER

Ballasts are matched to the specific length of lamp. To maintain tested performance, ballasts may not be substituted with another manufacturer’s products. The ballasts must be specified either 120v or 240v, 60 Hz.: contact Genesis Air for other voltage/frequency requirements. The ballast operating temperature range is -20°F to 158°F. The 2008DT draws 0.75A at 120V.

SAFETY

Genesis Air includes a safety kill switch on all units. The switch breaks power to the lamps and fan.

GENESIS AIR QUICK REFERENCE

	2008DT-FP	2008DT	2008B	2008LB	2006D&L	2008GS	2008RGS	2008 PCP STANDARD	2008 PCP DROP-IN	2008CU
Small spaces	X	X			X		X	X	X	X
Medium spaces	X	X		X		X	X	X	X	X
Large spaces			X	X		X		X	X	
Fan-powered	X		X		X	X	X			
Multiple panels standard					X	X				
Multiple panels optional			X	X				X	X	

Located in:

AHU/RTU								X	X	
Returns		X		X				X	X	X
Supplies		X		X				X	X	X
Trunk lines				X				X	X	
Stand-alone units	X		X		X	X	X			

CONTACT INFORMATION

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