

Eliminate Hot Air Stratification and Save Big Energy \$\$\$

Airmax Down Draft Filtration Modules Solve These Manufacturing Facility Problems

- Cement Dust
- Paper Dust
- Reduce Humidity
- Wood Dust
- Grinding Dust
- Fiberglass Dust
- Oil Mist
- Overspray
- Body Shop Particulates
- Bakery Dust
- Metal Dust
- Boat Building Particulates
- Stone Dust
- Plastic Dust
- Powders

Features:

- 10 Micron Filtration (more if needed)
- Located at floor level for easy access to filters
- Re-useable filters
- Down Draft air flow (Ceiling to floor)
- Contamination forced to stay at floor level away from your lungs
- Eliminate eye problems
- Control Dust migration
- Homogenized temperature floor to ceiling
- Eliminate hot & cold spots
- Lower Humidity
- Save Huge energy \$\$\$
- Many sizes 3,000 cfm - 6,000 cfm - 12,000 cfm - 18,000 cfm - 30,000 cfm
- Portables units are also available



Airmax has been helping manufacturers to solve air quality concerns for 30 years.



The Airmax Down Draft Filtration system has a filtered intake at floor level to recover the waste stratified heat at the ceiling, reduce heat loss through the roof and to filter and capture the airborne particulates in the area. These units in-take cold air from the floor, filter it, and discharge clean air at ceiling level. A blanket of cold air is now formed on top of the hot stratified air at the ceiling. This process helps to eliminate heat loss through the roof. As the cold air sinks toward the floor, it mixes with and forces the hot air back toward the floor. With a positive air pressure at ceiling level and a negative pressure at floor level, the temperature in the room is soon homogenized to near equal temperature, floor to ceiling.

Your employees will now be working in a clean air environment, the building will be much cleaner, and the elimination of hot air stratification will save big energy \$\$\$

The Airmax system is specifically designed for your application. The exact length of the ducting runs, the size and placement of the air discharge ports are all engineered to maximize the effect of the Airmax installation. Airmax will make a field visit to gather all the pertinent information to design and fabricate a system specifically for your building. Every unit is designed to work in concert with the other units to maximize the heat recovery in all of the manufacturing & warehouse areas.



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**AIRMAX
INTERNATIONAL**

P.O. Box 5206, Manchester, NH 03108
1-800-AIRMAX-1 • www.Airmax.net

Comfortable employees are happy employees... ...lower cooling and heating bills mean happy owners!

Airmax has been helping manufacturers to solve air quality concerns for 30 years.

By using the basic principles of air pressure and the physical laws of nature, air distribution and control are easily solved by AIRMAX

The AIRMAX ventilation system, with its flexible ducting, distributes air evenly throughout the building, giving you much greater control of air distribution.

- Fumes are exhausted at the floor level.
- Cool make-up air is brought in at ceiling height and dispersed evenly over a long path through holes punched in the tube at 10 o'clock and 2 o'clock. (Engineering results determine number of holes, size and exact locations.)
- More air is brought in than is exhausted, creating a slight positive pressure. Wasted stratified heat is used to preheat the cool make-up air.

Air flow is now from the ceiling to the floor, trapping fumes at floor level and forcing them down and toward the production exhausts, keeping heated air where it's needed. The building is now at a positive pressure, eliminating drafts, and reducing worker discomfort, complaints and illness.



Airmax Has Solved Serious Air Distribution Problems in Hundreds of Large and Small Facilities



- FUMES
- HOT AND COLD SPOTS
- HUMIDITY
- INEFFICIENT HEAT TRANSFER
- PARTICULATES
- HEAT LOSS
- DUST
- DRAFTS
- STRATIFICATION

All of these problems have been solved with air control systems, custom engineered and installed by AIRMAX.

In all cases, AIRMAX provided an additional benefit...



HUGE REDUCTIONS IN ENERGY COSTS

"Since the cold weather arrived, we have been running the system in the re-circulating mode. We have benefited from the system's ability to maintain building heat and evenly distribute the warm air throughout the facility. This has resulted in substantial reductions in heating costs. I believe that the reduction in dust levels has reduced allergy symptoms experienced by some employees."

- P.F.B., CPP, Sr. Manager, Safety & Security, PC Connection Services

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