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VentilationUSA provides heat recovery products to reduce winter operating costs

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If you operate a commercial, industrial facility or warehouse, winter can be very costly. Why? HEAT RISES.

Just look-up at the ceiling during the winter and imagine how much money is being wasted. Yes the ceilings of all facilities are constantly being overheated in order to get comfortable temperatures at the floor.

The heating system is chugging away, but all the heat is stratified at the ceiling, with much of the heat being lost out the upper walls & roof structure. This is a constant battle for facility owners since cold air is heavy and heat is lighter rising up to the roof which increases heating bills.

The proven solution is to work with the weights of the air in the space. The unique de-stratification system of VentilationUSA simply creates the perfect air movement to save energy. The colder air at the floor is constantly drawn into the filtered base fan unit located on the floor. The colder air is then distributed up to the ceiling and dispersed the entire length of a facility with fabric ducting. This creates a downdraft air flow pattern while lowering heat loss out the roof.

This air movement pattern has multiple benefits. The colder air mixes with and cools the high stratified heat at the ceiling which in turn starts to fall towards the floor. The ceiling is over pressurized with colder air that reduces heat loss out the roof membrane. Since the fan unit is on the floor all the air in the space must return to the filtered base unit. This downdraft airflow pattern means all the heat is sent to the employees work zones, without any annoying drafts. The system works regardless of racking, production machinery or product storage that would restrict air flows. There are no high velocity air currents to kick up dust on the floor which in turn creates a cleaner environment.

VentilationUSA's proven de-stratification system works off air pressure and not highly forced air movements like conventional ceiling fans. The colder air that is distributed across the ceiling acts as an insulation barrier to stop heat loss out the roof.

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