



2011 INNOVATIONS ENERGY SAVING VENTILATION

In-Line Fans With Temperature Sensor



TT 100...315 U series
Up to 1051 CFM

VK 100...315 U series
Up to 837 CFM

VENTS TT...U and VK...U series fans ideal solution for intake and exhaust ventilation of premises where controlling the air temperature is necessary. (E.g. greenhouses). Fans have built-in temperature and speed control which changes the impeller's rotation speed automatically depending on the desired temperature. Temperature settings range from 70°F to 95°F. On the front cover a LED light indicates when the thermostat operates. The fans can be installed either vertically or horizontally and are compatible with 4", 5", 6", 8", 10", and 12.4" diameter ducts. The fan's body is made of high quality, UV resistant ABS plastic.

The temperature sensor is built directly into the fan. (Temperature probe is installed in the fan where the airflow passes through).

The temperature sensor is equipped with 12 ft cable. (The probe can be placed in the heat controlled area, duct system, or any other location within the 12 ft distance).

Operation

Temperature in greenhouses can rise to 95°F or above which makes ventilation necessary. When the temperature exceeds the previously set temperature the speed controller starts the fan on the set speed. As the air temperature drops below the set temperature the control switches the fan off. As soon as the air temperature rises again and the temperature sensor exceeds the previously set temperature, the motor automatically switches to the set speed. As a result, the fans only run when needed.

New Design Fan Series



Vitro Star
Up to 145 CFM

Z Star
Up to 145 CFM

The **Vitro Star, Z Star, LDA Gold and LDA Chrome** represent VENTS' newest innovation of residential fan line. Steel and glass decorative cover create an appealing design. By combining great form and function the fans are perfect for any interior. Main features are humidity sensor, timer, and LED light. High quality materials ensure durability, high performance, and safe operation. Suitable for wall or ceiling mounting. Either horizontal or vertical installation is possible. The fans are compatible with 4", 5", and 6" diameter ducts. Low noise characteristic with an high airflow capacity. Elegant designs in a variety of styles and finishes.



LDA Gold
Up to 109 CFM

LDA Chrome
Up to 109 CFM

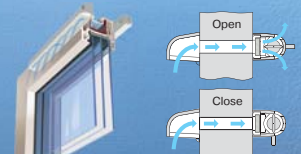
Passive Window Vent



Window Vent PO 400

PO 400 window vent is designed for continuous air exchange and supply of outdoor air to residential and non-residential premises. PO 400 window vent can be built into different window frames and are ideal for various premises such as apartments, cottages, or office buildings.

The airflow can be redirected to different positions to provide maximum comfort.



Air Flow Window Vent PO 400

Through-the-Wall Ventilations



MA Garage Kit

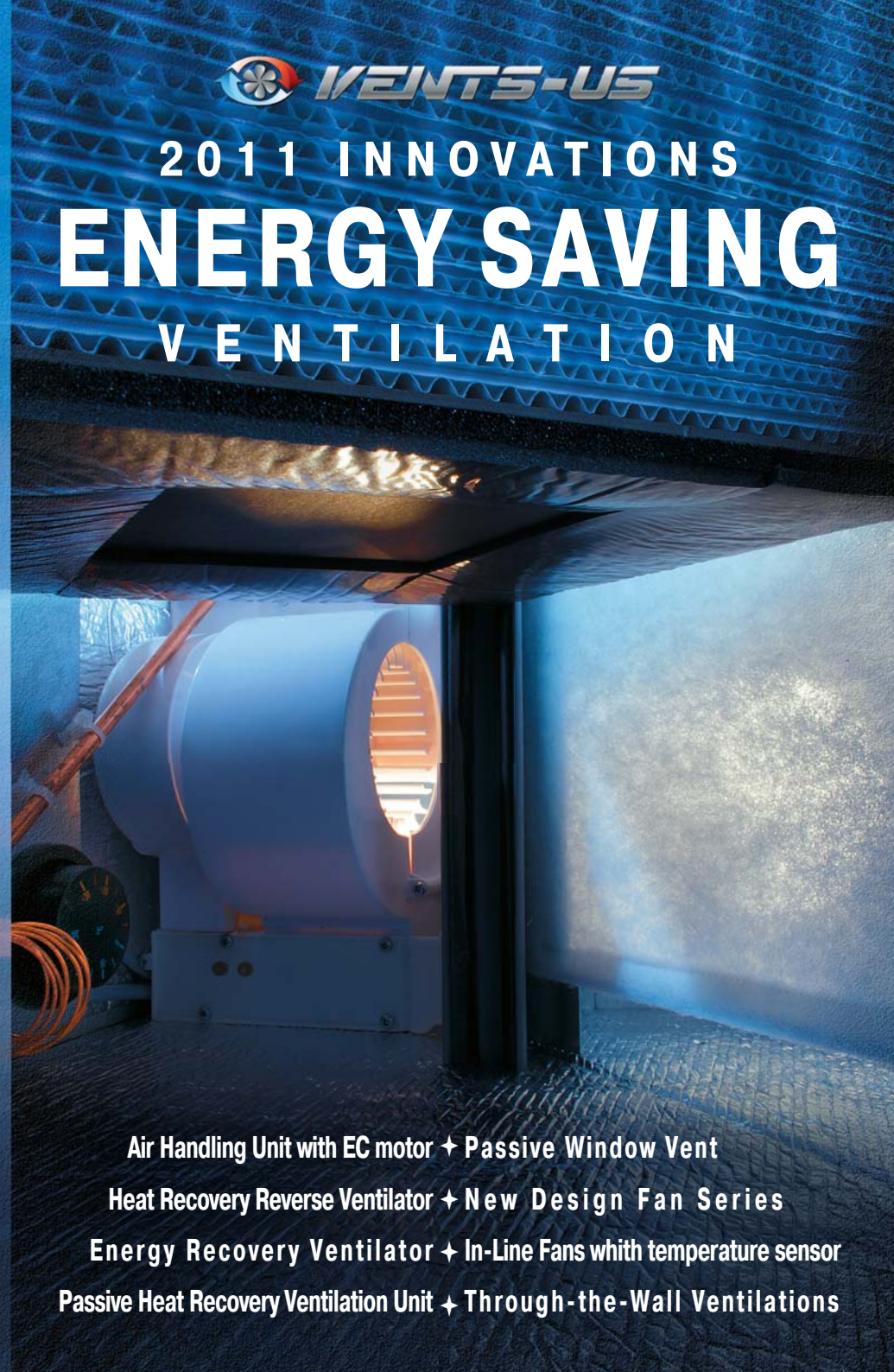
LD Garage Kit

VENTS LD & MA through-the-wall ventilation kits provide efficient ventilation solution for small to medium size premises such as garages or similar facilities. Technically advanced, cost effective, and high efficiency ventilation kits are economical ventilation solution for wide range of applications where centralized ventilation is not applied. Designed for continuous or intermittent operation.

VENTS through-the-wall kit consists of an LD or MA fan, 19.5" PVC telescopic duct, and external grille with gravity louvers. Suitable for 5" and 6" diameter ducts.

Features:

- Perfect solution for removing fumes and vehicle exhaust from your garage
- Suited for simple retrofit or new construction installations
- Silent operation
- Includes washable, reusable foam filter
- Air Flow
 - LD 5" through-the-wall kit: 71 CFM
 - LD 6" through-the-wall kit: 98 CFM
 - MA 5" through-the-wall kit: 92 CFM
 - MA 6" through-the-wall kit: 158 CFM



Air Handling Unit with EC motor + Passive Window Vent

Heat Recovery Reverse Ventilator + New Design Fan Series

Energy Recovery Ventilator + In-Line Fans with temperature sensor

Passive Heat Recovery Ventilation Unit + Through-the-Wall Ventilations



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Air Handling Unit with EC motor



VENTS VUT H EC

VENTS VUT H EC air handling unit features EC motor, with air capacity up to 88.3 CFM, and sound and thermo-insulated housing.

Application:

The air handling unit is designed for supply and exhaust ventilation systems and provides effective ventilation solutions. Ideal for ventilating houses, apartments, offices and well suited for hospitals, hotels or similar premises. The digitally controlled VUT H EC air handling unit is supplied with forward curved impellers that are powered with highly efficient, electronically commutated (EC) direct current external rotor motor.

Advantages:

- ✦ The supply and exhaust airstreams are powered by highly efficient, electronically commutated (EC) motors
- ✦ Compatible with 5" air ducts
- ✦ Two built-in, G4 cleaning level filters ensure filtration of exhaust and incoming air
- ✦ Recovery efficiency is up to 95 percent
- ✦ Low energy consumption
- ✦ Environmentally friendly

Operation

The heat transfer module of the VUT H EC transfers heat from the outgoing stream to the incoming stream while the airstreams never mix. The fresh air stream is automatically preheated, or pre-cooled, depending on the season.

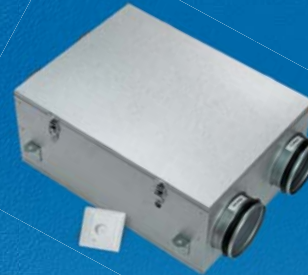
The air handling unit can recover up to 95 percent of the heat from the outgoing airstream. It can dramatically reduce the energy needed to heat outdoor air to a comfortable indoor temperature.

The filters prevent pollen and dust from entering the house. It purifies the air by removing contaminants and particles.



Air flow

Energy Recovery Ventilator



VENTS VUE 150 P mini

Vents VUE 150 P mini is a compact supply and exhaust room ventilation unit with heat recovery for permanent air exchange in small and medium-sized residential and public premises. Built-in heat exchanger reclaims heat from the extract air to warm up the fresh, filtered supply air. The unit is installed above drop ceilings and mounted to 5" round air ducts. Air capacity is available in three models and is regulated by P3-1-300 speed controller. The basic modification of VENTS VUE 100 P mini includes supply and exhaust fan, plate paper counter-flow heat exchanger, and thermostat. Both inlet and outlet includes G4 filters.

Features:

- ✦ Compact sound and thermoinsulated casing
- ✦ Supply and exhaust fans with air capacity up to 65 CFM
- ✦ Plate paper counter-flow heat exchanger with up to 60-80% efficiency
- ✦ Compatible with 5" air ducts
- ✦ Two built-in G4 filters for purification of intake and extract air
- ✦ Low energy consumption (44 W)
- ✦ Silent operation



Installation Vents VUE 150 P mini in room ducting



Air Flow

Residential Through The Wall Energy Saving Ventilation



VENTS KVP-MA 70

VENTS KVP-70 and **VENTS KVM-VN 58** heat recovery ventilators are intended for residential and commercial use. The units are designed to create air exchange in areas such as apartments, houses, offices, hotels, hospitals or similar premises.

The heat recovery ventilator is supplied with ceramic heat exchanger. Filters are installed on both sides of the heat exchanger to prevent dirt or debris from getting into the unit. The unit features decorative grille and it is equipped with external vent hood to avoid letting water or any foreign object entering the unit.

The VUT H EC air handling unit has four modes of operation:

1. Exhaust mode at low speed:
VENTS KVP-MA 70 24 CFM
VENTS KVM-VN 58 20 CFM
2. Exhaust mode at maximum speed:
VENTS KVP-MA 70 41 CFM
VENTS KVM-VN 58 34 CFM
3. Reverse operational mode at low speed:
VENTS KVP-MA 70 24 CFM
VENTS KVM-VN 58 20 CFM
4. Reverse operation mode at maximum speed:
VENTS KVP-MA 70 41 CFM
VENTS KVM-VN 58 34 CFM

The fan switches to exhaust or supply operation mode in every 60 seconds.

Features:

- ✦ Easy wall through mounting. (Length from 9^{1/4} inch to 18^{1/2} inch)
- ✦ Two-speed supply and exhaust reverse motor
- ✦ Four modes of operation
- ✦ Airflow up to 41 CFM
- ✦ Two, built-in G4 cleaning level filters ensure filtration of exhaust and incoming air
- ✦ Ceramic heat exchanger with up to 90 percent recovery efficiency

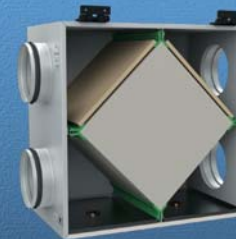


VENTS KVM-VN 58



Control VENTS KVP-MA 70, VENTS KVM-VN 58

Passive Heat Recovery Ventilation Unit



Vents PR 150

Vents PR 150 heat recovery ventilator offers great energy saving solutions. The advantages of PR 150 passive heat recovery unit include low costs and compatibility with any forced air heating system. Connect the Passive Heat Recovery Unit to an inline exhaust and supply fan to provide air supply, i.e. VENTS VK 150.

Operating:

- ✦ The supply fan provides fresh air supply to your house whereas an equal amount of stale and humid air is exhausted outside.
- ✦ Intake fresh air is filtered through the heat exchanger before entering the premises.
- ✦ Stale and humid extract air flows through the cross-flow heat exchanger and transfers the heat energy to the supply air.
- ✦ Warmed up and filtered fresh air is distributed to each room of the house through the ductwork.

Features:

- ✦ Compact sound and thermoinsulated casing
- ✦ Compatible with 5" air ducts
- ✦ Low Installation Cost
- ✦ Plate polystyrene counter-flow or aluminum cross-flow heat exchanger with up to 75% efficiency
- ✦ Two built-in G4 filters for purification of intake and extract air
- ✦ Corrosion Resistant
- ✦ Light Weight



Installation Vents PR 150 in room ducting