



Realvents

Wind Turbo Rooftop Natural Eco Air Ventilators



The Best & Natural way to Exhaust
Industrial Pollution & Cross Ventilation



NO

Electricity

Maintenance

Noise

Back Draft

Rain water

Birds

Dust



Real Green Engineers Private Limited
(An ISO 9001 - 2008 Certified Company)

#1/2, R.A. Complex, Kammasandra Road, Electronic city, Bangalore-560 100

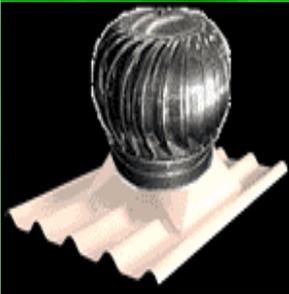
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WIND TURBINE ROOF VENTILATOR/ECO AIR VENTILATOR

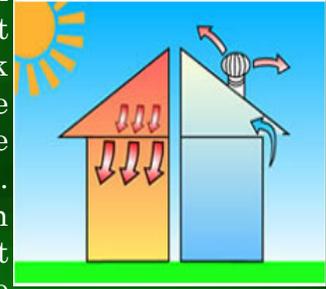
We, **Real Green Engineers Private Limited (An ISO 9001 – 2008 Company)**, are leading manufacturer & exporters of high performance Wind Turbine Rooftop Natural Eco Air Ventilators. Our products are manufactured under stringent quality check at every stage of production. The material & all major components used for manufacturing are tested, treated, formed and assembled as per the existing industrial specification and standards. We focus upon on time delivery of high quality, durable products along with superior client services, which offers our client a competitive edge & create value for their business.



Wind turbo Air Ventilators does not require any Power or Electricity, continuously in motion with the natural wind, spins with the slightest breeze, creating an upward draft which draws stale, damp or hot air out of the attic by removing moisture laden air in the winter and extremely hot attic air in the summer. Wind driven ventilators are designed and engineered to exhaust industrial pollutants such as smoke, dust, poisonous gases, fumes, heat, humidity, odor and many more invisible irritants from the covered area / industrial sheds.

Wind turbo Roof Ventilator provide energy free cooling and fresh air through out the year 365 Days 24 X 7. Eco Ventilators functions and performs with the unlimited wind energy, thus saving Precious energy & Operating Cost, maintenance etc. Running cost of the motorised exhaust fans can be eliminated by implementing or wind operated turbine ventilator as it do **NOT REQUIRE ELECTRICITY, MOTOR, WIRING or MAINTENANCE.**

During summer months temperatures in roof spaces & ridges can reach very high and this heat radiates downwards causing discomfort inside the shed/working areas and forcing air conditioners to work harder in offices. Even the effectiveness of ceiling insulation can be reduced by the additional heat load & Industries emitting excessive heat can even damage roof sheathing, felt and composition shingles. Natural Air ventilators spins with the slightest breeze, creating an upward draft which draws hot air, fumes, odor and other pollutant particles upwards, creating invisible convection current, and in the process extract smoke, dust, hot air together with pollutant particles which has become hot due to the buildings exposure to long hours of sunlight radiation and manufacturing processes and due to other pollutants particles within the building. As the stale and hot air is extracted by the Air ventilators, it is replaced by fresh air at ambient temperature entering through the natural openings thus completing the air change correction cycle current & improving the internal cross ventilation & increasing the life of the roof and machineries.



SUMMER
Without Ventilation, heat from the roof Radiates into the building and can also limit the effectiveness of insulation and damage roof sheet.



Winter
Without Ventilation Moisture laden Air rise & condense the roof as dampness is trapped

During the winter, water vapour & other particles are drawn into roof space, can condense to form lot of of moisture. This can render insulation ineffective, cause mildew on walls and ceilings and contribute to a damp environment. As the stale and damp air is extracted by the ventilators, it is replaced by fresh air at ambient temperature entering through doorways & other natural openings thus completing the air change correction cycle & improving the internal environment with better cross ventilation.

Needless to say, fresh air makes people feel more energetic and productive whilst stale, damp or hot air makes us feel tired, lethargic and less productive.



FEATURES:

- **Doesn't require power or electricity**
- **Economical and environmental friendly**
- **Rigid & Durable Design Structure**
- **Can withstand wind speed of 180 km/Hr.**
- **Weatherproof & storm proof**
- **Reduces carbon footprints**
- **No operating cost**
- **Virtually maintenance free**

Roof Ventilators are specially designed and manufactured as per industrial specification and standards and rigorously tested at every stage to ensure durability and performance in extreme temperatures and high wind conditions. We are an ISO 9001 – 2008 certified company and have earned a commendable reputation for reliability, quality and timely delivery due to our adherence to uncompromising standards of quality. We ensure that the highest quality products are delivered to our clients on time with total customer satisfaction at very competitive rates.

The Blades / Vanes are double curved, made of bright aluminum /SS material especially designed for maximum weather durability , Exhaust efficiency and rain spill deflection . Specially designed aerodynamic vanes are strong by structure and light in weight. It is designed to achieve maximum wind energy utilization and performance of exhaust suction. Vanes prevents water entering the turbine by means of under grooves provided for water spill deflection.



The turbine ventilators comes with the a frictionless central shaft which maintains rigidity under heavy stress and other load factors. The design is for revolutionary free floating effect; air movement's lift and separates the turbine from the central shaft, resulting in nearer friction free motion. Air Ventilators Supporting Clamps stabilizes the central shaft to ensure equal weight distribution and reduce stress on fastening joints.

The turbine ventilators Base parts - Base Adaptor, Base flange & Base Ring are made of aluminum / Stainless Steel / FRP (Translucent / Opaque) / Polycarbonate materials as per the customer requirement and are strength tested to ensure structural integrity. Powder coating, Anodizing or epoxy paintings in desired color can be done on request. The ventilators are totally weatherproof which can withstand wind speed up to 180 km/hr and is totally water proof.

Choice of the material (Aluminum or stainless steel), size, number and installation of AIR VENTILATORS depends on various factors such as wind velocity, temperature differential, environmental conditions, Human Density, size of the building, location of the building & profile of the roof, wind obstruction etc. Different sizes of wind turbo ventilators ranging from 14"to 34" are available which are recommended after considering the above facts. Wind turbo ventilators are acknowledged by industrial giant's world wide and most developed countries have moved ahead with wind powered turbine ventilators and found professional and ultimate solution for industrial air ventilation problems.



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ADVANTAGES:

- Does not require any Motor, Power or Electricity.
- Light weight, rigid & durable, can withstand wind speed upto 180 km/Hr.
- Runs on totally Non-conventional Natural Wind Energy 24 X 7, 365 Days.
- Removes entrapped heat, humidity, dust, fume, odor during summer & stale, damp & moisture laden air along with other Pollutant particles in winter.
- Maintenance Free Virtually "Fit & Forget"
- Eco Friendly, Noise Free & Pollution free
- Easy to install on any type of Existing roof or new roofing structure.
- Requires very minimal wind due to stack effect & frictionless, Noise free design
- Light weight, rigid & durable - made from aluminum, Stainless Steel & Powder coated as per customer requirement.
- 100% Weatherproof, water, Rain & Leak proof
- Increases Productivity by providing healthier & better working environment.
- Enhances the architectural and aesthetic appearance of the building
- Accelerated Depreciation under IT Act Due to Non Conventional Energy Product
- Saves Precious Energy & utilizes unlimited Natural Wind Energy.
- Increases the life of the roofing sheet and machineries.

We possess state-of-the-art production unit that is backed by Hi-tech machines. We are constantly exploring new advancements in technology that provide real benefits to the products we design & manufacture. The Technical know-how coupled with the vast experience of our experts helps in culminating unrivalled products.

Wind turbo ventilators are acknowledged by industrial giant's world wide and most of worlds most developed countries have moved ahead with wind powered turbine ventilators and found professional and ultimate solution for industrial air ventilation problems.

Having a wonderful product and purpose, we are confident of solving your existing ventilation problems. Do call us, email or visit our website today as your industry deserves the best.



REPRESENTED By:

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