



## Frequently Asked Questions and Answers for Customers

### 1. What is Turbovent?

Turbovent is a wind driven roof ventilator that operates without any energy consumption. It is ideal for industrial ventilation.

### 2. How does Turbovent work?

Turbovent is a type of axial fan that works with the power of wind as well as 'stack effect', the difference in interior and exterior conditions.

### 3. What factors do you take into consideration while providing ventilation?

Type of industry, geography, process, climatic conditions, building design, roofing material etc are just a few factors that we consider before suggesting an engineered ventilation solution. We suggest alternative options too if your requirements does not necessitate roof ventilators.

### 4. How do you calculate the number of ventilators?

The number of ventilators is not calculated using a single common equation. Different industries have different requirements, so apart from the size of your factory and air changes required, we also take into consideration the type of process conditions, location of equipment, human and process comfort levels etc. Above all using the experience and intuition developed from decades of providing ventilation solutions.

### 5. What is the lifespan of your ventilators?

Turbovent if installed scientifically is known to run for more than a decade under proper conditions. (No drastic change in process or building conditions)

### 6. How is this long lifespan possible?

Turbovent is a customized ventilation solution where decades of experience combine with precise engineered techniques. This results in longer working life for the ventilators. For example a corrosive industrial environment will have different type and quantity of ventilators so as to ensure longer life.

7. What is the difference between Turbovent and other similar products in the market?

Turbovent is not just a product but a thoroughly designed ventilation solution that takes into account all your requirements, your process and environmental conditions. Just placing random ventilators may prove harmful rather than solve your ventilation problems. Turbovent is a customized, precision engineered solution while others are just off the shelf products.

8. What expenses does Turbovent require?

Apart from the initial cost of the product and installation, Turbovent has absolutely no recurring expenses. No maintenance if installed properly and no energy consumption.

9. What are precision engineered systems?

Any system that is designed constructed or erected with painstaking attention to detail and with knowledge of every aspect of the system and the factors that are advantageous and detrimental to the same. There is a constant quest for perfection and an attitude that fosters breakthrough technology. Also precision engineered systems are devoted to quality, performance and unlike mass produced systems, custom made to suit the required criteria. Results can be guaranteed with precision engineered systems.

10. How do you design a precise engineered ventilation system?

Every minute factor apart from the primary factors such as volume to be ventilated, equipment present, climatic conditions etc is taken into consideration. This may even include the workers positions, the change in temperatures throughout the day, the neighboring sites, your future expansion plans, the humidity requirements and much more. All these are factored into the solution; the ventilators are manufactured accordingly (with respect to material used, adapter design, installation technique etc). The installation is also carried out precisely according to these factors resulting in a system that provides results, lasts long and works at maximum efficiency under the given conditions.

11. Why does industrial ventilation differ from residential ventilation?

Area to be ventilated, amount of people, dust, fumes, building materials are just the primary differences. Industrial ventilation also has to take into account the process conditions so that your equipment, materials or products are not damaged. Using solutions or techniques apt for residential ventilation in the industrial scenario will not provide results and in the longer run may prove dangerous.

12. How does Turbovent differ from other process ventilation in the market?  
Turbovent is backed by expertise and experience coupled with a technology that is sustainable, efficient and economical. Upto 30% savings in energy costs can be obtained when compared to other process ventilation systems. No repeat servicing or upgrading is required. Just fit and forget.

13. What is the material of construction?  
Turbovent can be constructed in a variety of materials. It is readily available in aluminium and stainless steel or custom made according to the clients requirements in copper, titanium etc.

14. What are the unique construction advantages of Turbovents over other products in the market?  
Our custom welded adapters are unique and not available anywhere else, they ensure efficiency and long life. Turbovent is also designed to withstand winds of up to 140km/hr. It can be custom made in a variety of materials too.

15. Are wind driven ventilators popular in other countries?  
USA, China, Malaysia, Australia, Middle eastern countries, Turkey and the warmer European countries etc are some places that use wind driven roof ventilators for both industrial, commercial and a few residential purposes. This ventilator is more applicable in warmer climates.