

Choose

the **Best Ventilator**  
to suite your needs



### **TURBO** VENTILATORS

Wind driven, they are used world wide because of their low capital cost, zero running cost, adaptability, high capacity per vent and overall reliability.

Constructed with stainless steel and aluminium, they are completely weather proof and maintenance free.



### **Power Ventilator**

Designed for easy installation without loading the roof structure, they ventilate continuously with low power consumption.

The product has unique stale air extract capacity and is able to work under hazardous conditions.



### **Stainless Steel Ventilator**

Completely made of stainless steel including the base plate, these are extremely strong with life span lasting generations.

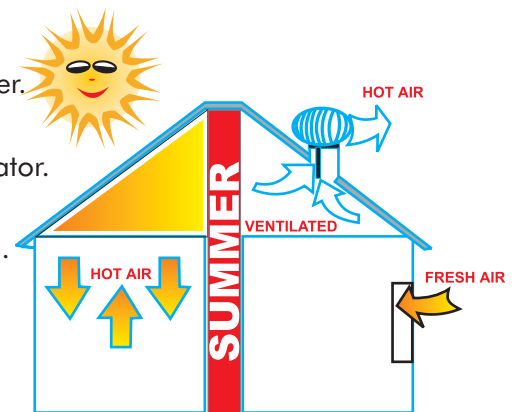
The attractive and elegant finish with designer angle adjuster throat and matching base plate make lasting impression for years to come.

Ventilators

# Turbo Ventilator



- Strong, light weight construction
- Manufactured from high grade aluminium and stainless steel
- Manufactured to provide long and trouble free operation in Industrial and Commercial applications.
- Weather proof and storm proof.
- Virtually maintenance free.
- No operating cost since it runs on wind power.
- Rigid roll formed curved vanes.
- Slight breeze is adequate to rotate the ventilator.
- (Only 2mph of wind velocity is required)
- 80% depreciation on product as per IT norm.
- 10 years warranty on the ventilator head



Factories, warehouses, workshops and even houses are frequently constructed without an efficient natural ventilation system. Providing of doors and windows is not adequate since stale hot air does not disperse by itself.

The turbo ventilator operates by harnessing the full velocity of the wind to induce airflow by centrifugal force. It spins even at 2mph wind speed. During rotation the centrifugal force created draws the air in the turbines towards the spinning vanes and out of the turbine. The airfoil vanes act as cups, catching the wind at the windward side of the turbines. Simultaneously air is forced out at the leeward side creating continuous airflow; giving rise to ventilation. Air drawn out by the ventilators is continuously replaced by fresh air from outside the building through the building opening. Since the turbine is rotating continuously, the airflow is also continuous resulting in effective ventilation. Turbo ventilators also help to prevent condensation by extracting moist air and in the case of fire will extract smoke and fumes. Turbo ventilators are easy to install and are available with FRP bases to match your roofing profile.

Turbo ventilators are available in stainless steel and aluminium construction with throat diameter of following sizes: 12", 14", 20", 24". Larger sizes up to 40" can also be made available on request.

# Power Ventilator



- Can work in Corrosive conditions
- High exhaust capacity
- Does not stress roof structure
- Available in Metal, GI, SS and FRP
- Adaptable to any profiled roof
- Low electrical consumption

The new range of powered ventilators introduced by Citadel are designed for easy installation on the roof without loading the roof structure and work effectively with low power consumption. The product range has unique stale air extract capacity and are able to work in special condition.

The Power Ventilators are aesthetically designed and in all there are 3 models:



- a. Economy model Kool Boss this model is a low cost affordable unit with critical parts of metal including the motor and others of metal and the rest in FRP. This gives an advantage in the weight of the unit which is very less at only around 35 kgs. Thereby no change needs to be made to the roof structure while installing these units.

The base of the unit is in FRP and can be made in the same profile as the roof this make it very easy to install the units on the roof. The motor is only 1/2 hp and the electrical consumption is also very low.



- b. The second model is a more sturdier one and very well designed. This is available in different exhaust capacities and in GI/Stainless steel as per the client requirement.

This model is rigid and is well protected from rain and wind, easy to install any where and on any kind of roof. There is also very little maintenance cost in this model. Here again the base plate is in metal and in the roof profile to seat easily on the roof.



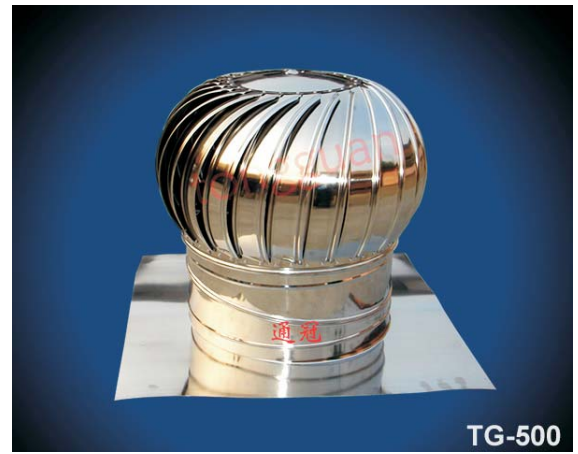
- c. The 3rd model is again available in stainless steel and GI make with different capacities. This product has some unique features - it can operate in special conditions such as factories with acid, chemical vapors etc.

Factories where heavy gases, fumes and heat are generated by machinery, schools, hospitals, Movie Theater, factory canteen, labs these are the areas where power ventilators can become most useful. With this launch the Company is now able to provide a more comprehensive solution for the ventilation needs of industrial units.

# Stainless Steel Ventilator



TG-300



TG-500

In line with the innovative character of the company, Citadel is now going a step ahead to launch aesthetically designed Stainless Steel ventilators in the market.

This unique range of ventilators in SS 202 and SS 304, is extremely strong and has more life span than the normal aluminium ventilators. These ventilators have specially designed body with attractive finish, angle adjuster throat and the base plate, all constructed in SS making it strong and resistance to elements.

Stainless steel ventilators double curved vanes are specially designed for maximum weather durability, maximum wind driven 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.

Acidic areas , chemical plants, factories, pharmaceutical plants, these are the areas where stainless steel ventilators can be more useful.

- Extremely Strong & Resistant to elements
- Very attractive finish
- Complete Ventilator including base plate in Stainless Steel
- 15 Years Warranty
- Expected Life more than 25 years
- Available in SS 202/304/316/316L
- Attractive Prices

Citadel Architectural Solutions Pvt. Ltd., is a company known for its innovative roofing products and turnkey solutions for the construction and industrial sectors. We are pioneers in the field of natural ventilators fitted on industrial roof sheds offering a 'one time solution' for ventilation, absolutely free of maintenance and running cost. Owing to our tie-ups with an international manufacturers we offer the best state-of-art-products in India.

Our brand "TurboVents" is the largest selling wind operated ventilator in the country with more than 70,000 operating units currently all over India. This feat has been achieved in less than 6 years and Citadel counts among its customers the Who's Who of the Indian industry ranging from MNC's to large Indian Corporates. The Company is also OEM supplier to major pre-engineered and metal building suppliers like Tata Bluescope, Interarch and Lloyds Insulation. The company also operates through a large dealer network of 40 across the country.

At Citadel we offer turn-key services right from the drawing board to installation and commissioning. Being both the supply and installation company gives us an edge to provide you a complete solution at any stage of your project.

Website: [www.citadelarch.com](http://www.citadelarch.com)



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