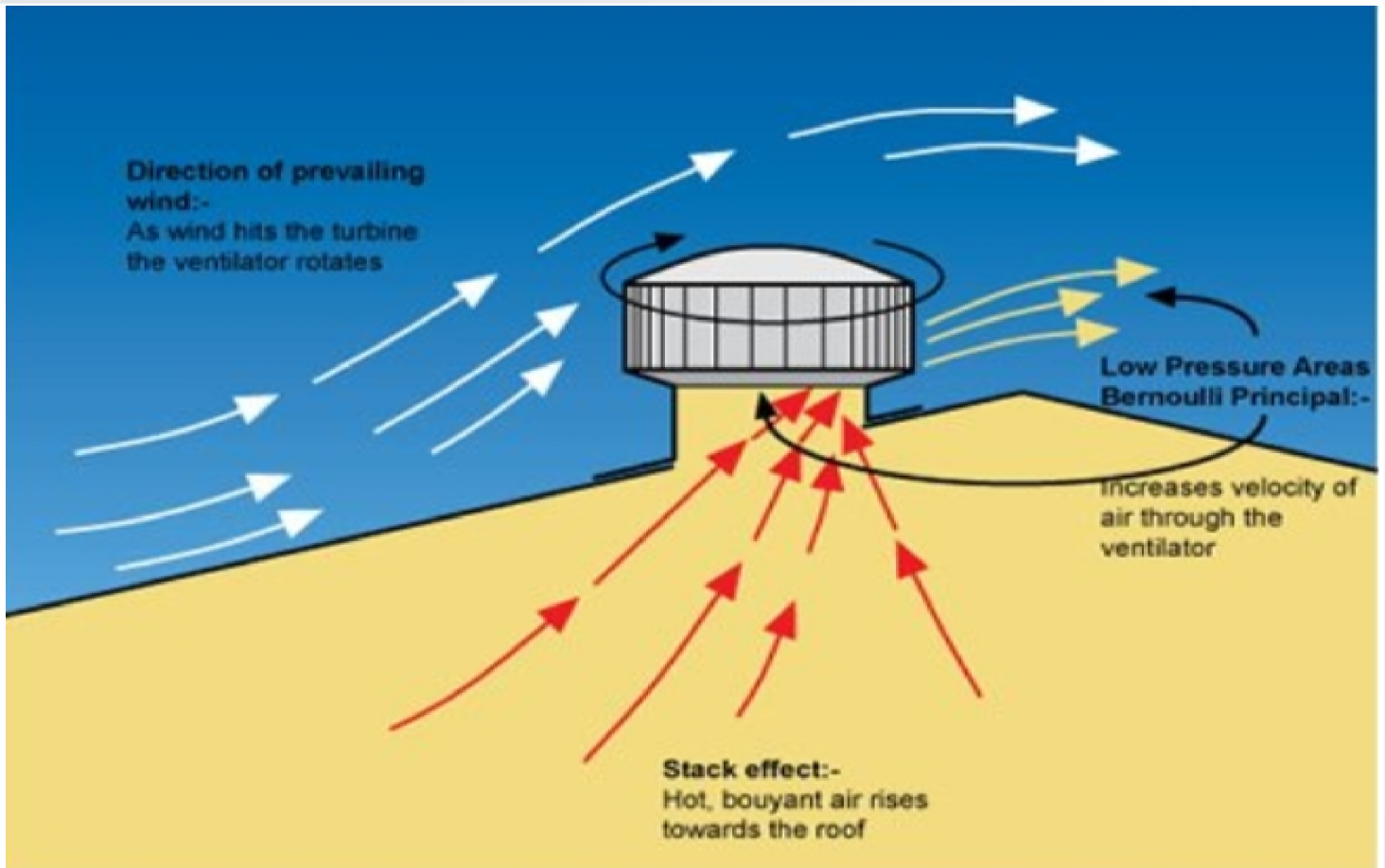


# WI-ROOF TURBINE VENTILATOR



WOLF INTERNATIONAL



Ventilation is simply the process of supplying a continuous flow of fresh air through a space. This is often accomplished by a system of intake & exhaust ventilators.

How does it work?

The Blow-Tech turbine ventilator is a combination of both natural & forced ventilation system. It functions as a natural ventilator when there is a difference in thermal or wind pressure between the inside & outside of the building, which forces the air to move through the opening of the ventilators. It also acts a forced ventilation system when the turbine rotates to create a negative pressure within the factories. Cooler air from the outside will rush into the negative pressure space within the factories in order to maintain an equilibrium condition.



## Features:

- Rigid roll formed curved vanes.
- Weatherproof & storm FRP proof.
- S.S.-304 Top Roof covers to protect from corrosion.
- S.S.-304 Revolving neck for better straight.
- Rotor shaft & Sleeve assembly concealed in aluminum or stainless steel casing.
- Easily field replaced.
- Virtually maintenance free.
- Light weight & durable.
- Available in aluminum & stainless steel.

## Advantages:

- Safe as it does not require electricity. No pollution as it uses natural air.
- Easy to install on any type of roof.
- Lightweight, made from aluminum & base plate is of FRP.
- Virtually maintenance free.
- No noise as using bush.
- Rain proof as turbine ventilator is designed to protect from rain.
- Helps remove stale, damp & hot air- increases workers productivity.
- Saves the energy -The said ventilator operates utilizing the slight energy of the wind, So it saves power cost. Even building that air condition is installed, the hot air, which accumulates above ceiling, will be removed however; the air condition can work at its lesser power consumption.
- Prolongs life of machines-turbine ventilators can extract dampness in the air out of the Building, which results in machine & other electrical system, can work at their fullest Efficiency & prolongs their life.

100% depreciation.

## The benefits of natural ventilation system :

Factories, warehouses, workshops & even community building frequently constructed without an efficient natural ventilation system for the benefit of occupants. And, if the interior of the building gets hot & stale, there's always doors or windows that can be opened to provide for the ventilation.

How ever, stale & hot air doesn't disappear by it self & opening door or windows is simply not sufficient to provide adequate ventilation in most buildings. But by installing turbine ventilators, you can provide an efficient and cost effective system of natural ventilation for the benefit of the buildings occupants.

These wind driven ventilators, unlike doors or windows, draw air upwards, creating convection current & in the process they extract stale air, together with air which has become hot due to the buildings exposure to long hours of sunlight & from manufacturing processes within the building.

As the ventilators extract the stale & hot air, it is replaced by fresh air at ambient temperature entering doorways & opening thus completing the correction cycle current & improving the internal environment.

Needless to say, fresh air makes people feel more energetic whilst stale air causes evaporation to occur which is the natural way of cooling down & reducing the stress on the body.



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