



PFI

POONAM FIBRE INDUSTRIES

ATTRACTIVE | SOLID | RELIABLE

turbo

air ventilators



- Absolutely zero recurring cost
- Maintenance free
- Eco-friendly & Zero noise level
- Aesthetic & Attractive look
- No requirement of Electricity, Generator or Fuel
- Runs only on Natural wind velocity
- Satisfied & Pleasure Atmosphere in your premises



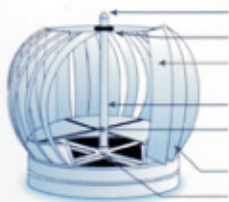
Working Principle

Poonam makes Turbine Air Ventilator work on wind velocity which creates centrifugal action that ultimately spins the blades of ventilator. This results in internal air being extracted and fresh air coming inside. The beauty of this ventilation system is even at negligible wind velocity, the roof ventilator will keep on rotating due to its fly wheel type design. The design allows the rotor cage to rotate continuously and keep ventilating on the go. That means, fresh air for you round the clock.

A translucent and opaque colour fibre sheet base which allows of natural light in to a building premises. Suits all roof types, adjusts to slopes. Easily installed to deep rib profiles.

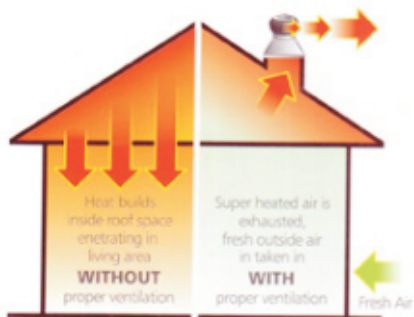


Ventilators Details

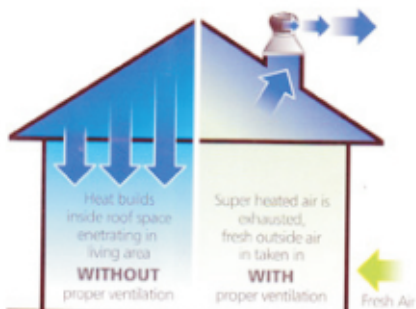


- Stainless steel thrust bearing.
- Ensured permanent alignment. Unique inverted cap design.
- Corrugated foil formed vanes provide strength, rigidity, positive air flow and weather ability.
- Typhonic roller bearing system, housing precision upper & lower bearings.
- Excludes dust, grit and foreign matter and retains unique lubrication in a fully replaceable unit.
- Fabricated from aluminium / stainless steel.
- Aluminium turbo ventilators with stainless steel / aluminium spiders and shaft (Assembly are available upon request)

Ventilators Working System



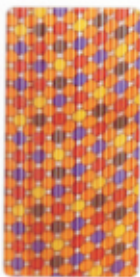
Hot & Dry Season



Cool & Wet Season

F.R.P. Roof Light Sheets

- Available in various colours, transparent and opaque.
- Useful for domes and pyramids.
- High strength.
- Light weight.
- Easy to fabricate.
- Excellent finishing
- Weather proof.
- Corrosion resistant.
- Long life.





About Ventilator

Size	21" mounting
	24" mounting
Weight	21" mounting - Approx 4-50 to 5.50Kg.
	24" mounting - Approx 6-00 to 6.50Kg.
Blade	Total 36 No. 24 Gauge Aluminium Blade
Frame	MS Galvanized Frame
Top cover	Stainless Steel / Aluminium
Ring	Stainless Steel / Aluminium
Mounting	Stainless Steel / Aluminium

Recommended Air Changes

Type of building	Air changes per hour
Boiler room	15-60
Engine room	12-30
Factories (Light)	10-20
Factories (Heavy)	20-40
Chemical plant	30-60
Transformer room	12-30
Foundry	10-30

Technical Specification

Wind Velocity	5KM/HR	10KM/HR
Temperature Diff. in C	3-5	3-5
Dia of Ventilator	Exhaust Capacity	Exhaust Capacity
21" Mounting	1250 cfm*	2000 cfm*
24" Mounting	1300 cfm*	2150 cfm*

About Fibre Sheet

Thickness	1.5 mm
Length	1800 mm (6 Feet)
Wide	Standard Roof
Type	Single Piece
Available	In standard and translucent and opal requested colour

How to specify size & determine number of ventilators

*Note:- Number of ventilator depend upon area size and height of premises

To determine number of ventilators required:

$(\text{Volume of shed} \times \text{no. of air changes}) / 60$ / Exhaust capacity of ventilator.

Volume of shed = length x width x height



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Rajkot, Gujarat, India

Mfg. F.R.P. Roof Lights, F.R.P. Doors, Bath Tubs & Kitchen Sinks, Turbo Air Ventilators, Solar Water Heater.

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Dealer

