



DAMAIR INDIA (P) Ltd,  
Faridabad is the only  
manufacturer of Ventilators in  
Northern India. Demand of  
Ventilators is growing day by

day being the power saver item. Ventilator does not require any power to rotate. Its rotation is by air pressure. It is fitted on top the industrial shed and exhausts all fumes generated in the working area of shed. ventilator is eco friendly.

DAMAIR VENTILATOR is a State Of Art double effect [Air Ventilator](#) giving Free Day Light and Free Ventilation.

In an effort to reduce the power consumption towards the ventilation of buildings, we offer eco ventilators, combining the latest technology and innovation. A **turbo ventilator**, manufactured by us, runs on wind energy. Besides, it is maintenance-free and adaptable to any roofing. Our air ventilators are strong, durable and weather-proof. These allow the sunlight to enter through the roof vent, and thus, cut the lighting cost. Perfect substitute of exhaust fans, the turbo ventilators are suitable for all types of buildings, be it commercial or residential.

The Zero Power Air Ventilator is most cost effective substitute to the Exhaust Fan which consumes electric power and requires maintenance. Its maintenance free fit and forget system.

Selection Procedure-

No. Of VENTILATORS =  $L \times W \times H$  ( building in ft ) x No. Of Air Changes/ CFM x 60

Size of ventilators = 600mm (Throat Diameter)

Exhaust Capacity.

Wind Velocity (mph)	3			8			10			
	3	5	10	3	5	10	3	5	10	
Temp. Diff.										
Model No.	Stack (Height in Ft.)	* Exhaust Capacity in C.F.M.								
ATV-L / STV-L	10	939	1000	1102	1436	1498	1600	1792	1858	1958
	20	1005	1084	1216	1503	1582	1714	1859	1938	2070
	30	1058	1154	1314	1556	1652	1812	1915	2010	2478
	40	1107	1216	1394	1605	1714	1896	1961	2070	2731

### Principles:

Convective Thermal Currents

Centrifugal force to exhaust

Turbo design creates suction

Larger the diameter of ventilator higher is the capacity & effectiveness

### Construction:-

Strong, Light Weight Construction

Slight breeze enough to rotate the ventilator

Available in high grade aluminum, anodized aluminum, stainless steel or epoxy coated for corrosive areas.

UV stabilized FRP base with integral venturi dome

### Working Procedure:



The DAMAIR INDIA works by utilising the velocity energy of the wind to induce air flow by centrifugal action. The centrifugal force caused by the spinning vanes creates a region of low pressure area which draws and throws out hot air from below and fresh cool air from outside comes in. The Convective Thermal currents are given boost by venturi dome to further enhance the rotation of the Ventilators.

Type of Building	Air Changes per hour
Boiler Room	15-60
Engine/DG Room	15-45
Compressor Room	15-30
Factories	10-30
Process House	15-30
Packing Room	10-30
Transformer Room	12-30
Warehouses	5-12
Paint Shop	15-36



