

SALES, DESIGN, CONSULTING,
MANUFACTURING
AND SERVICE OF HEAT VENTILATION AND
AIR CONDITIONING PRODUCTS.

AIR HANDLING UNITS

FROXVENT TECHNOLOGIES

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“Clear sky, clean water, clean air, and a beautiful earth is our commitment for the next generations.”

— Amit Ray

VISION

Improving the Indoor Air Quality and maintain wonderful environment to the next generation through by our Innovative technologies.

OBJECTIVES

- Satisfying customer through optimal design, timely delivery and service.
- Educating customers for the adaption of new technologies.
- Achieve results in all continual improvement activities.
- Support employees to handle ethics in working through training & team work.
- Enhance with the organization to deliver expecting need and results.



OUR CORE VALUES

- Compact Machine design.
- Perfect Product solution.
- Looking scope for Energy recovery and efficiency.
- Economical price in market.
- Comfortable payment terms.
- Uncompromising product Quality.
- Fastest delivery in Market.
- Good after sales service Support.
- Sustained customer relationship more than business.



Agenda...

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Introduction

Short introduction about the froxvent technologies.

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Application and Product types.

Suitable application and products types

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Components Specifications

Internal Components detailed specifications

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Product Images

Froxvent product Images

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Business contact

Contact details for enquiry



INTRODUCTION



Dear all,
Greetings for the day,
Its pleasure to introduce ourselves as Froxvent Technologies,

Due to climatic change and air pollution through out the world the indoor air Quality is getting poor day by day. We are in the serious phase to take over the issues to maintain good indoor air Quality and maintain good environment to the next generation.

To resolve the issues froxvent technologies also stepped down into the field to maintain good Indoor air Quality through by supplying of Heat Ventilation and Air Conditioning products like Fresh Air handling Machines, Clean Air handling Machines, Ventilation Machines, Fan, coil and filter Machines, Energy Recovery Machines, Dehumidified Air handling Machines, Wet Air scrubber Machines, ESP - Dry Air Scrubber Machines and Exhaust Machines.

We are into the Sales, Consulting Design, Manufacturing and Service of Heat ventilation and Air conditioning Equipment and allied products.

We study and understand the problem and based on the measures, we design and manufacturing suitable equipment to meet customer requirement and improve the Indoor Air Quality parameters such us Temperatures, Relative humidity, Filtration levels and Energy reduction.

www.froxvent.com

Regards

APPLICATIONS



We are into the Sales, Consulting Design, Manufacturing and Service of Heat Ventilation and Air Conditioning products applications are listed below.

Comfort air conditioning – Administration Offices, Institutions, Hotels, Shopping malls, Theaters, Restaurants and Private villas.

Clean room – Automotive industries, Pharma industries, Hospitals, Operation theaters, Tablet storage rooms and laboratories.

Ventilation – Basement ventilation, Car and bike parking smoke ventilation and exhaust, Industrial hoods, Kitchen hoods and storage rooms.

RH and temperature Control area – Mushroom cultivation, Paper industries, Pharma industries, Automotive industries, Plastic molding industries, Chemical handling industries, Material storage areas.

Energy recovery – Green buildings.

Our products are suitable for Electrical controls systems, Data centers, laboratories and Cold storages and Control systems,



PRODUCTS CLASIFICATION

A. Horizontal Floor mounted AHU

- 900 to 55000 CFM Air flows machines.
- Casing thickness with 25 to 46 mm.
- Outer skin will be 0.6mm to 0.8mm Precoated, Powder coated and Preplastic.
- Inner skin will be 0.6mm to 0.8mm Precoated, Powder coated and Plain G.I.
- Panel Insulation ISO/Poly Puff Injected panels with the density of $42\pm 2\text{Kg/m}^3$.
- Will be provided with both Thermal and Non thermal Break aluminum profiles.
- 100mm Height Powder coated G.I base will be provided.
- Based on customer requirement constructions will be added accordingly like Mixing boxes, Prefilter, Fine filter, HEPA Filter, Cooling coils, Heaters, UV lamps, HRW, Humidifiers, Blowers, Motors and Dehumidifiers.

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Intelligence in Cooling and Heating



PRODUCTS CLASIFICATION

B. Vertical Floor mounted AHU

- 900 to 8800 CFM Air flows machines.
- Casing thickness with 25 to 46 mm.
- Outer skin will be 0.6mm to 0.8mm Precoated, Powder coated and Preplastic.
- Inner skin will be 0.6mm to 0.8mm Precoated, Powder coated and Plain G.I.
- Panel Insulation ISO/Poly Puff Injected panels with the density of $42\pm 2\text{Kg/m}^3$.
- Will be provided with both Thermal and Non thermal Break aluminum profiles.
- 100mm Height Powder coated G.I base will be provided.
- Based on customer requirement constructions will be added accordingly like
 - Mixing boxes, Prefilter, Fine filter, Cooling coils, Blowers, Motors Heaters and UV lamps,
- Our machines are durable to run for more than 15 years.



PRODUCTS CLASIFICATION

C. Ceiling Mounted AHU

- 900 to 8800 CFM Air flows machines.
- Casing thickness with 25 to 46 mm.
- Outer skin will be 0.6mm to 0.8mm Precoated, Powder coated and Preplastic.
- Inner skin will be 0.6mm to 0.8mm Precoated, Powder coated and Plain G.I.
- Panel Insulation ISO/Poly Puff Injected panels with the density of $42\pm 2\text{Kg/m}^3$.
- Will be provided with both Thermal and Non thermal Break aluminum profiles.
- 50mm Height Powder coated G.I base will be provided.
- Based on customer requirement constructions will be added accordingly like
Mixing boxes, Prefilter, Fine filter, Cooling coils, Blowers, Motors



PRODUCTS CLASIFICATION

D. Fresh Air and Exhaust Floor mounted AHU

- 900 to 50000 CFM Air flows machines.
- Casing thickness with 25 to 46 mm.
- Outer skin will be 0.6mm to 0.8mm Precoated, Powder coated and Preplastic.
- Inner skin will be 0.6mm to 0.8mm Precoated, Powder coated and Plain G.I.
- Panel Insulation ISO/Poly Puff Injected panels with the density of $42\pm 2\text{Kg/m}^3$.
- Will be provided with Non thermal Break aluminum profiles.
- 50mm Height Powder coated G.I base will be provided.
- Based on customer requirement constructions will be added accordingly like
 - Mixing boxes, Prefilter, Fine filter, Blowers and Motors.
- Our machines are durable to run for more than 15 years.



PRODUCTS CLASIFICATION

E. Energy Recovery Floor mounted AHU

- 900 to 50000 CFM Air flows machines.
- Casing thickness with 25 to 46 mm.
- Outer skin will be 0.6mm to 0.8mm Precoated, Powder coated and Preplastic.
- Inner skin will be 0.6mm to 0.8mm Precoated, Powder coated and Plain G.I.
- Panel Insulation ISO/Poly Puff Injected panels with the density of $42\pm 2\text{Kg/m}^3$.
- Will be provided with Non thermal Break aluminum profiles.
- 50mm Height Powder coated G.I base will be provided.
- Based on customer requirement constructions will be added accordingly like

Mixing boxes, Prefilter, Fine filter, HEPA Filter, Cooling coils, Heaters, UV lamps, HRW, Humidifiers, Blowers, Motors and Dehumidifiers.

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FROXVENT TECHNOLOGIES

(Manufacturing of Commercial Air conditioning Products)

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SPECIFICATION DETAIL

CONSTRUCTION FEATURES

BASE CONSTRUCTION

- Galvanized Iron material is used for base construction since it is non susceptible due to Corrosion.
- 120 GSM Galvanized Iron with the thickness of minimum 1.6mm to maximum 3.0mm used for rigid structure.
- 30mm Diameter Holes provided in the base corner for lift the machine.
- 100mm to 150mm Height Base corners and 100mm to 150mm Height C Structures frames are fasteners joined.
- Intermediate C Structure frames will be provided depends on load requirement.

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PROFILE CONSTRUCTION

Hollow channel aluminum profiles are used for frame construction since it is non susceptible due to corrosion.

Based on requirement will provide both thermal break and non thermal break profiles.

Based on requirement will provide unique anodized finish profiles used for color stability products.

Thermal break is an insertion of an insulating material, such as polyamide, which

COMPONENTS SPECIFICATION

B. MOTORS

Electric motors are of IEC standard in squirrel cage, totally enclosed fan cooled (TEFC), B3 foot mounted, IP 55 degree of protection and class F insulation.

Motor efficiencies available include EFF2 (IE1) standard efficiency; EFF1 (IE2) high efficiency and IE3 Energy efficiency are also available with VFD compatible.



COMPONENTS SPECIFICATION

A. MOTORS .

Our Blowers are AMCA Certified blower for our Air handling units such as,

- SISW Blower – Forward curved, Backward curved.
- DIDW Blower – Forward curved, Backward curved and Aerofoil curved.
- Plug Fans - Backward curved.
- EC Fans
- Tube Axial Fans
- DIDW Blower with Motor.



To maintain good indoor air Quality through by handling of return air and fresh air should be filtered based on the application and specific requirements. Apart from that lot service activities need to be carried out for the air handling equipments and system periodically to maintain proper indoor air Quality.

To maintain god environment air quality through by handling of polluted air from industrial exhaust and kitchen exhaust should be properly process before leaving to the environment.

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