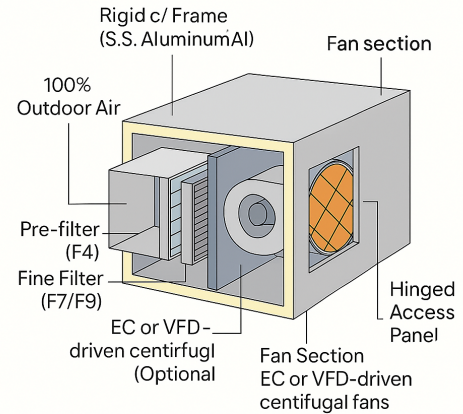


Fresh Air Unit

Engineered to supply 100% filtered outdoor air for healthier indoor spaces

Designed to improve indoor air quality across diverse environments, the Fresh Air Unit (FAU) brings in 100% fresh outdoor air, conditions it to the desired temperature, and filters out pollutants using high-efficiency multi-stage filtration. Whether you're operating a commercial building, hospital, school, or industrial facility, our FAUs ensure your occupants breathe clean, healthy, and climate-controlled air. With optional energy recovery systems, modular construction, and robust certifications like Eurovent, AHRI, and CE, this unit sets the standard for performance, compliance, and efficiency. healthier future.



Features

- 100% Fresh Air Intake
- High-Efficiency Filtration
- Cooling & Heating Options
- Energy Recovery (Optional)
- Easy Maintenance

Benefits

- Improved Indoor Air Quality
- Humidity Regulation
- Health & Hygiene Support
- Energy Savings (with recovery)
- Regulatory Compliance
- Occupant Comfort &
- Productivity

Product Technical Specifications – Product Range

1. Airflow Capacity:

- Typically from 1000 CFM to 60,000+ CFM, based on project needs

2. Air Type:

- 100% Outdoor Air for fresh air supply only

3. Filtration:

- Multi-stage: Pre-filter (G4) + Fine filter (F7/F9); HEPA optional

4. Energy Recovery (Optional):



Product Construction Details

1. Casing/Frame:

- Rigid, galvanized or powder-coated steel Stainless Steel, Aluminum
- Modular, double & single skin panel construction
- Extruded Aluminum Profile Frame Work (Thermal break & Non-Thermal break)

2. Insulation:

- 25 mm to 50 mm thick insulation (Density-40 kg/m³ (48 kg/m³, 64 kg/m³, 96 kg/m³ - Optional) (PUF, Glasswool, Rockwool, PIR)
- Provides thermal insulation and acoustic insulation

3. Base Frame:

- Heavy-duty steel or aluminum base
- Designed for floor mounting and vibration isolation

4. Panels:

- Removable or hinged access doors
- Inner skin: galvanized steel (pre-coated or powder coated), stainless steel, aluminium
- Outer skin: pre-coated, powder-coated steel, stainless steel, aluminium

5. Fan Section:

- EC or VFD-driven centrifugal fans
- Mounted on vibration-absorbing platforms
- Dynamically balanced for low-noise, high-efficiency airflow

6. Filter Section:

- Pre-filters in slide-in frames
- Fine filters, (HEPA filters, Carbon filters, Chemical Filters, Electronic Air Cleaner – optional)
- Easy access for replacement



Product Certifications

1. Eurovent Certified : (Standard EN 13053 & EN 1886)

- Casing strength class : D1
- Casing air leakage class at -400 Pa : L1
- Casing air leakage at +700 Pa : L1
- Filter bypass leakage class : F9
- Thermal transmittance class : T2
- Thermal bridging factor class : TB2



3. CE Certified : (EN ISO 12100:2010, EN 60204-1:2018)

4. ISO Certified : (ISO 9001:2015)

2. AHRI Certified : Standard 1350

- Casing Deflection Rating Class (Positive) : CD4
- Casing Deflection Rating Class (Negative) : CD4
- Casing Air Leakage Class (Positive) : CL2
- Casing Air Leakage Class (Negative) : CL2
- Thermal Transmittance Class With Leakage : CT2
- Thermal Transmittance Class Without Leakage : CT2
- Thermal Bridging Class : CB2



5. AHRI Certified Chilled Water Coils : AHRI Standard 410

6. AHRI Certified Hot Water Coils : AHRI Standard 410

Applications



Healthcare Facilities



Pharmaceutical & Biotech



Food & Beverage Industry



Commercial Buildings



Educational Institutions



Retail & Malls



Data Centers



Industrial & Manufacturing



Hotels & Hospitality



Laboratories

Our Presence



Sales & Support Offices

Ahmedabad | Bengaluru | Chennai | Delhi | Gurugram | Hyderabad | Jaipur | Kanpur | Kolkata | Mumbai | Pune

Corporate Office

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Sec - 74A, Gurugram -
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Haryana, India

Maharashtra

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Nashik Highway,
Taluka Shahpur,
Thane - 421603

Karnataka

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