

# Exhaust Air Unit

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### “Engineered Ventilation for Healthier Spaces”

Breathe cleaner and smarter with Zeco’s Exhaust Air Unit – a high-efficiency solution crafted to expel stale air, reduce indoor contaminants, and support energy-conscious buildings. Designed for optimal air exchange in both commercial and industrial applications, it ensures healthier, safer, and more sustainable indoor environments.

## Features

- **Efficient Exhaust Air Handling**  
Specifically engineered to remove stale, contaminated, or warm air from indoor spaces, ensuring proper ventilation and air exchange.
- **Integrated Multi-Level Filtration**  
Comes with a combination of Pre-filters (G4) and optional Fine (F7/F9) or carbon filters to effectively trap dust, odors, and fine particulates.
- **Customizable Airflow Range**  
Offers airflow capacities ranging from 1,000 CFM to over 60,000 CFM, adaptable for both small- and large-scale facilities.
- **Robust Modular Construction**  
Double or single-skin panels, galvanized or powder-coated steel, and extruded aluminum framework ensure strength, longevity, and design flexibility.
- **Advanced Fan Technology**  
Features EC or VFD-driven centrifugal fans mounted on vibration-dampening platforms for quieter, more energy-efficient performance.
- **High-Performance Insulation**  
Thermal and acoustic insulation with materials like PUF, Glasswool, or Rockwool helps maintain internal conditions and reduce noise pollution.

## Benefits

- **Enhanced Indoor Air Quality (IAQ)**  
Effectively removes contaminants and odors, promoting a healthier indoor environment for occupants across all sectors.
- **Supports Health & Hygiene Standards**  
Especially beneficial in sensitive environments like hospitals, pharma cleanrooms, and schools where air purity is critical.
- **Energy-Efficient Operation**  
Smart fan control and thermally efficient casing reduce energy consumption, supporting long-term operational savings.
- **Environmentally Sustainable**  
Designed to comply with global green building and HVAC standards, contributing to a reduced carbon footprint.
- **Low Maintenance & Long Service Life**  
Durable build, high-quality filters, and easy-access panels lead to fewer breakdowns and reduced service interruptions.
- **Versatile Across Industries**  
Suitable for a wide range of applications—from commercial offices and retail malls to laboratories and industrial facilities.

## Product Construction Details

### 1. Airflow Capacity:

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

### 2. Filter Options:

- Pre-filter (G4), optional Fine filter (F7/F9) or carbon filters for odor removal



## Product Construction Details

### 1. Casing Structure

- 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/m<sup>3</sup> (48 kg/m<sup>3</sup>, 64 kg/m<sup>3</sup>, 96 kg/m<sup>3</sup> – 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, aluminum
- Outer skin: pre-coated, powder-coated steel, stainless steel, aluminum

### 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-filter (G4), optional Fine filter (F7/F9) or carbon filters for odor removal.

# Product Certifications

1. ISO Certified : (ISO 9001:2015)

## Applications



Healthcare / Hospitals



Retail & Shopping Malls



Pharmaceuticals



Healthcare & Hospitals



Educational Institutes



Industrial Facilities



Residential Complexes

## Our Presence



## Sales & Support Offices

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

### Corporate Office

#### Gurugram

DLF Corporate Greens,  
Tower No. - 4, 12th Floor,  
Southern Peripheral Road,  
Sec - 74A, Gurugram -  
122004, Haryana  
Phone: 0124-6683500

### Manufacturing Facilities

#### Bahadurgarh

O-1, O-5 and O-3/A, Old  
Industrial Area,  
Bahadurgarh, Haryana -  
124507  
Phone: 01276-244650,  
651/652/653/ 244568  
/244961

#### Lahe

Plot No-343 & 343/1A,  
Lahe Village, Mumbai-  
Nashik Highway,  
Taluka-Shahpur,  
Distt:Thane-421603,  
Maharashtra.

#### Malur Unit-1

Plot No- 124-127, 3rd  
Phase, KIADB Industrial  
Area, Nosagere (Village),  
Malur-Taluk, Kolar-  
District, Karnatka-563130  
Phone: 0815-1200087

#### Malur Unit-2

Plot no 246 to 247, 3rd  
Phase, KIADB Industrial  
Area, Kanachikkanahalli  
(Village), Malur-Taluk,  
Kolar-District, Karnataka  
563130  
Phone: 0815- 1200270

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