



# Aeroque Hygiene System

Expert Air Filtration Solutions

## AHU (Air Handling Units)

For Pharma, Food and Hygienic  
Manufacturing



# AHU Systems for Regulated & Hygienic Facilities

Performance Engineered Cost Optimized. Compliance Assured.

GMP | HACCP | Healthcare Ventilation Standards



## Drive Configurations – Select as Per Criticality & Budget

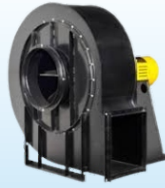


### Belt Driven AHU

Best suited for utility, general processing & non-critical zones.

- ✓ Economical CAPEX
- ✓ Easy serviceability
- ✓ Suitable for large air volumes

Reliable performance at optimized cost.



### Direct Driven AHU

Ideal for pharma production, food packaging & healthcare areas.

- ✓ No belt contamination risk
- ✓ Reduced maintenance
- ✓ Better energy efficiency

Lower lifecycle cost. Cleaner airflow.



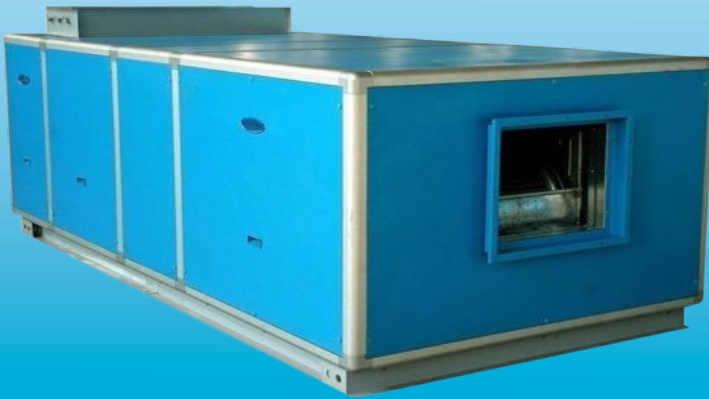
### EC Plug Fan / Fan Wall AHU

For sterile, ICU, high-care & critical clean areas.

- ✓ Energy savings up to 25–30%
- ✓ Redundancy options
- ✓ Precise airflow control

High performance with operational savings.

## Hygienic Construction – Designed for Regulated Environments



- ✓ Double skin panels (25 / 40 / 60 mm)
- ✓ PUF injected insulation
- ✓ GI / SS 304 / SS 316 internal options
- ✓ Leak-tight casing (EN 1886 – L1 compliant design)
- ✓ Sloped SS drain pans
- ✓ Gel seal HEPA compatibility (H13 / H14)
- ✓ Smooth, easy-to-clean interiors

Suitable for:

Pharma GMP | Food HACCP | Healthcare HVAC | Clean Utilities

Built for inspections. Priced for practicality.

Parameter Key	Design Feature
Casing	Low leakage construction
Panel	Thermal break aluminum profiles
Fan Options	Belt / Direct / EC Plug
Filtration	Pre + Fine + HEPA compatible
Control	BMS ready
Application	Pharma, Food, Healthcare, Hygiene Process

Engineered to meet project specifications without oversizing.

## Consultant-Friendly Technical Assurance

- \* Stable pressure differentials
- \* Low casing leakage
- \* Thermal break profiles
- \* BMS compatible control options
- \* Modular construction for easy installation
- \* Optimized fan & motor selection for energy efficiency

Engineered to meet project specifications without oversizing.

## Industries We Serve

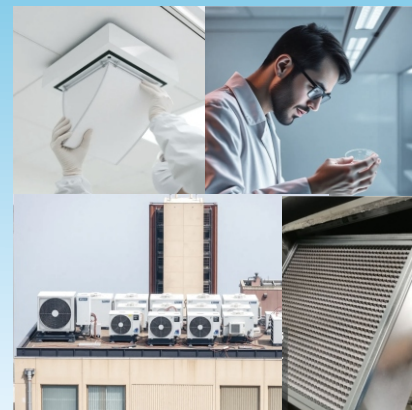
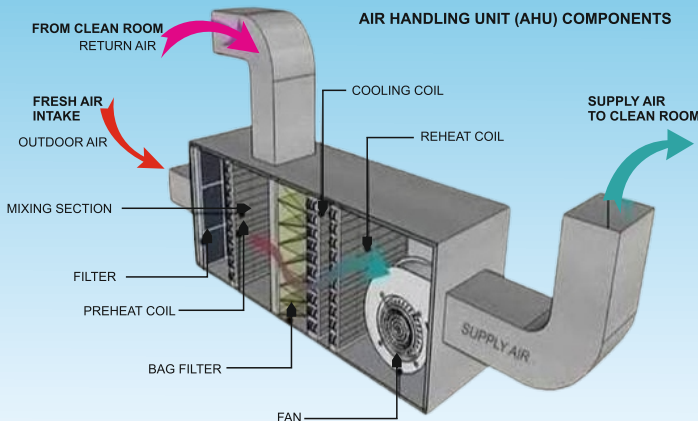
◆ Pharmaceutical Manufacturing

◆ Food & Beverage Processing

◆ Hospitals & Healthcare

◆ Cosmetic & Hygiene Production

◆ Laboratories



**Compliance Ready. Energy Efficient. Commercially Sensible.**

Aeroque AHUs deliver balanced performance — meeting regulatory standards while controlling project and operating costs.

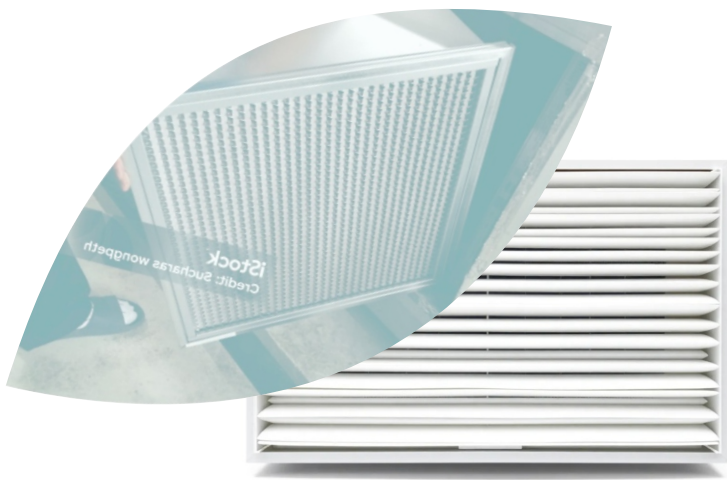


## Certified Filtration for Critical Environments

Our AHU Filters provide a complete, certified solution that ensures your facility maintains clean room standards while reducing operational costs.

### Absolute HEPA & ULPA Filters (H13 to U16)

Function: Final Air Purity. Installed at the terminal end. Benefit: Individually tested (EN 1822) and certified with Gel Seal technology to ensure zero air leakage, guaranteeing you pass regulatory audits.



### Pre-Filters & Fine Filters (G4 to F9)

Function: System Protection. Installed in the main AHU unit. Benefit: Low pressure drop and high dust capacity drastically extend the lifespan of expensive HEPA filters, lowering electricity bills and reducing maintenance costs.



### GMP & Regulatory Compliance Reference

- Our filtration systems are suitable for
- Projects designed as per:
- WHO GMP
- EU GMP Annex
- 1 US FDA Clean room Guidelines
- ISO 14644 Clean room Standards
- HACCP (Food Processing)
- NABH (Healthcare Ventilation)

Designed to support regulatory audit readiness.





## HVAC Grills

Precision-engineered supply and return air grills. Manufactured in SS 304/316 for pharmaceutical and food grade applications. Features adjustable louvers for controlled airflow patterns.



## Magnetic Riser Solutions

Magnetic riser cut-out grills for easy access and maintenance. Riser dampers designed for precise pressure control in vertical shafts, ensuring safety and efficiency.



## Terminal Filter Housing

Safe-change and terminal HEPA filter housings. Designed to provide a secure, leak-free environment for high-efficiency filtration. Easy to clean and maintain, meeting all regulatory standards.



## HVAC Duct Housing

Custom duct housing solutions for pre-filtration. Installed before the filters to ensure system longevity and protect high-efficiency terminal filters. Robust, leak-proof construction.

## HVAC Dampers

Multi-blade Volume Control Dampers (VCD) and Non-Return Dampers. Essential for AHUs and duct housing before filters to maintain pressure differentials. High-quality construction ensures precise control and reliability.



## Air Diffusers Grills

High-performance air diffusers and diffuser grills for uniform air distribution. Designed for seamless integration into clean room ceilings, manufactured in SS 304/316.



# Aeroque Hygiene System

Plot no. 2042 A, Sector 3, Faridabad 121004

+91 9775050977, 9485852266

bd@aeroque.com

www.aeroque.com