



Airoshield

Air Curtain

Enhance Comfort & Efficiency with Our Advanced Air Curtains

Our high-performance air curtains create an invisible barrier of air, preventing unwanted external elements while maintaining indoor climate control. Our air curtains are ideal for commercial, industrial, and specialized applications.

KEY FEATURES

- **Energy Efficiency:** Reduces heating and cooling costs by preventing air exchange between indoor and outdoor environments.
- **Effective Air Barrier:** Creates an invisible barrier that prevents dust, insects, and pollutants from entering.
- **High-Velocity Airflow:** Ensures strong and uniform air distribution for optimal performance.
- **Durable Construction:** Made from corrosion-resistant materials for long-lasting use.
- **Sleek & Compact Design:** Aesthetically designed to blend seamlessly with various interiors.
- **Easy Installation & Maintenance:** Simple mounting system with minimal maintenance required.
- **Automatic Activation:** Can be integrated with door sensors for hands-free operation.
- **Enhanced Comfort & Hygiene:** Maintains a stable indoor temperature and prevents the entry of pests and airborne contaminants

L - Series



J - Series



P - Series



APPLICATION-SPECIFIC BENEFITS

- **For Commercial Spaces (Retail Stores, Offices, Malls, Hotels):**
 - Enhances customer comfort by maintaining a consistent temperature.
 - Reduces energy consumption by preventing air leaks.
- **For Industrial & Manufacturing Facilities:**
 - Reduces air contamination and protects sensitive machinery.
 - Maintains different temperature zones in warehouses and factories
- **For Cold Storage & Refrigeration:**
 - Prevents cold air loss, reducing refrigeration costs.
 - Helps maintain required temperature conditions for perishable goods.
- **For Food Processing & Flight Catering Facilities:**
 - Ensures hygiene compliance by preventing insects and airborne contaminants.
 - Provides a clean, controlled environment for food safety.
- **For Healthcare & Cleanroom Environments:**
 - Blocks bacteria, dust, and airborne pathogens.
 - Maintains sterile conditions in hospitals, laboratories, and pharmaceutical facilities.

SPECIFICATIONS

1. For door width from 900mm to 2000mm
2. With remote control and manual switch as optional feature
3. Varying range of height from 2.5 to 4 m
4. Air outlet velocity of 10-16 m/sec



TM

EAKON

Certifications



ASHRAE 52.2



LISTED

This product is UL
Listed for (UL 900)

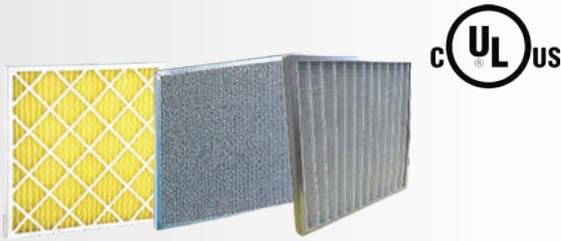
Memberships



NAFA
National Air
Filtration
Association



Prefilters



- General coarse filtration purposes in commercial/ residential applications.
- High arrestance, dense, washable/ disposable media
- Filter class available: G1 - G4 (as per EN779)
- Synthetic & Glass Fiber media
- Certification: UL 900

Medium & Fine Filters



- Assembled with high particle efficiency media.
- Low in pressure drop, leak proof construction ensuring high dust holding capacity.
- Filter class available: M5 – F9 (as per EN779)
- Synthetic & Glass Fiber media
- Certification: UL 900

HEPA Filters



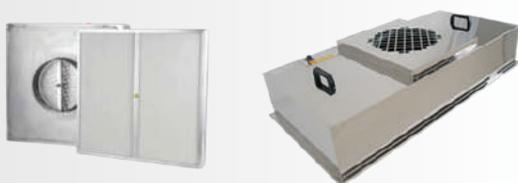
- For providing ultra clean air into clean rooms, pharma, hospitals & other healthcare industries.
- Tested as per EN 1822 standards and supplied with Test certificates.
- Filter class available: E10 – H14 (as per EN1822)
- Glass Fiber media
- Complies UL900

Gas Phase Filters



- Odor & other toxic gas removal applications.
- Full range of Activated Carbon / Alumina / Impregnated media filter & modules
- Designed & selected models for target gases.
- Robust in design & customized in various toxic gas applications

High Purity - Terminal Housings



- Engineered & constructed for providing ultra clean air to protect clean rooms, pharmaceutical companies, hospitals, food industries.
- Terminal HEPA Units are factory tested for leakages.
- Provisions for In-site Leak Test.
- Fan Filter Units provided with silent EC/AC fans to push air into the cleanroom space.

High Purity - Ducted Housings



- Engineered & constructed for providing ultra clean air as well as extracting contaminated air to & from clean rooms, pharmaceutical companies, hospitals, oil & gas, and other critical facilities.
- Specifically designed for critical applications such as chemical gas treatment and biohazard applications.
- BIBO and Chemical Filter units

HEALTHCARE AND PHARMA



Ducted Filtration Units (DFU)



- **PureDAF** Series Single skin / Double skin filtration units suitable for ducted filtration applications.
- Various combination of filter stages can be provided.
- Filters shall be accessed thru side / front withdrawal type.
- HEPA Filters shall be accompanied with proper locking mechanism to prevent leakages

Terminal Filtration Units (TFU)



- **Altair** Series Filter Units suitable for terminal filtration.
- Provided with HEPA Filters and aerosol test ports.
- Perforated Diffusers
- Available in SS304 / SS316 / MS Powder Coated Constr.
- Applications: Hospital & Pharma applications.

Bag-In Bag-Out (BIBO) Units



- **PureSAFE** Series Bag In/Bag (BIBO) HEPA filter housings - Containment systems that are designed to filter dangerous biological, carcinogenic or radioactive contaminants from air.
- These housings designed to contain the filtered contaminants in a sealed housing until such time as the filter media needs replacement

Fan Filtration Units (FFU)



- **Magnair** Series Fan Filter Modules
- Powered with EC / AC fans
- Suitable for bringing HEPA Filtered laminar air inside cleanrooms.
- Provision for BMS integration provided for fan grid.
- Available in SS304 / SS316 / GI / MS Powder Coated Constr.
- Optional pre/chemical filtration stages are provided on top

Chemical Filter Units



- Engineered & constructed for providing chemically clean air into and out of clean rooms, pharmaceutical companies, hospitals, oil & gas, and other critical facilities.
- Specifically designed for critical applications such as chemical gas treatment and biohazard applications.
- Compliance with ISA 71.04 as per site conditions.

Laminar OT Module



- **Hospair** Series Laminar Flow HEPA Modules
- Suitable for HEPA Filtered laminar air
- Provided w/ Mini-Pleat HEPA Filters & aerosol test ports
- Perforated Diffusers
- Available in SS304 / SS316 / MS Powder Coated Constr.
- Applications : OT rooms and other cleanrooms