CONFORTFRESH



SPECIALISTS IN CLEAN AIR

Leaders in Manufacturing Equipment for the HVAC Sector

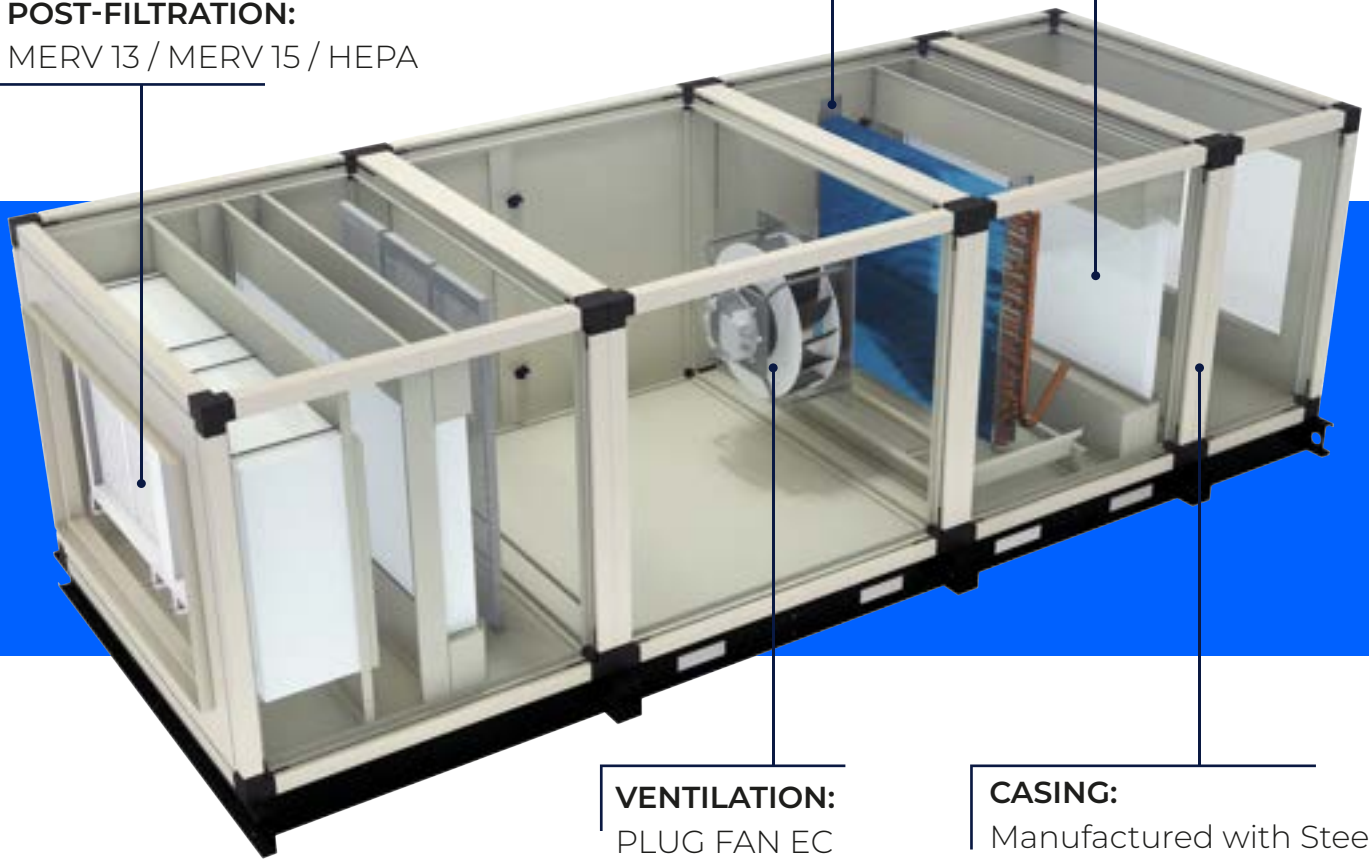
Confortfresh S.A.S
Calle 30 # 5a-89
Colombia - Barranquilla, Atlántico
www.confortfresh.com

ACU / DOAS

PRE-FILTRATION:
MERV 8 / MERV 11 / MERV 13

HEAT EXCHANGER COIL:
Direct expansion (DX) / Chilled Water / Hot Water / Steam

POST-FILTRATION:
MERV 13 / MERV 15 / HEPA



VENTILATION:
PLUG FAN EC

CASING:
Manufactured with Steel profile, 40 mm and 50 mm thick double skin panel with thermal break.

Optional accessories:



VDF FREQUENCY CONVERTER



ELECTRIC RESISTENCE HEATER



ELECTRODE STEAM HUMIDIFIER



UV LAMP

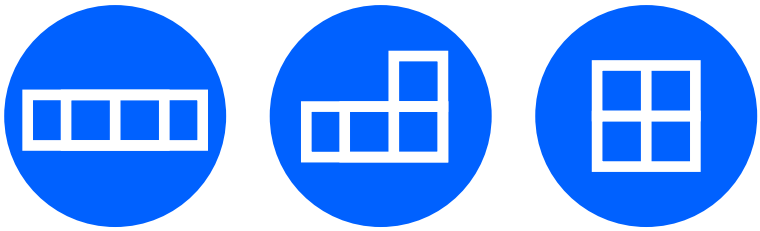


PRESSURE CONTROL AND MONITORING KIT

CUSTOMIZABLE AIR CLEANING UNIT (ACU)

We specialize in the design, manufacturing, and customization of air handling units (ACUs), tailored to the specific needs of each client. With our technical expertise and advanced capabilities, we develop bespoke solutions that ensure exceptional performance and efficient integration in any environment.

ACU Moduls:



Floor Mounted Horizontal | **L Type** | **C Type**

These three configurations are modular and adapted to the space constraints and specific needs of each project. The flexibility in design and manufacturing ensures that each ACU meets the highest standards of quality, energy efficiency, and sustainability, creating a healthy and comfortable indoor environment.

Applications:

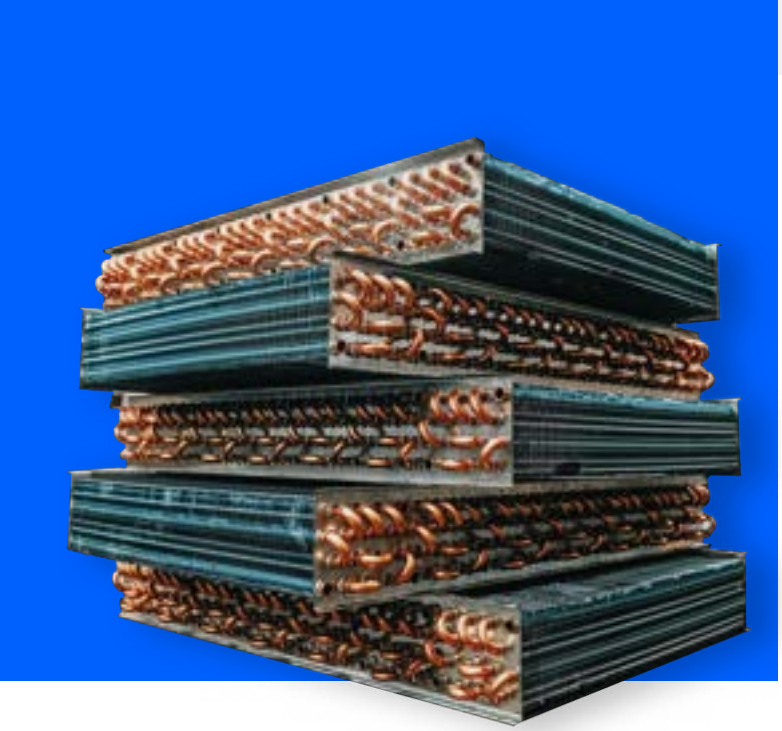
DEDICATED OUTSIDE AIR SYSTEM (DOAS)

- Commercial Buildings.
- Sport Buildings and Stadiums.
- Educational institutions.
- Operating rooms with parallel ventilation system.

CUSTOMIZABLE AIR CLEANING UNIT

- Hospitals.
- Laboratories.
- Operation room.
- Airports.

We manufacture AHU's with capacities ranging from 1000 to 26000 CFM.



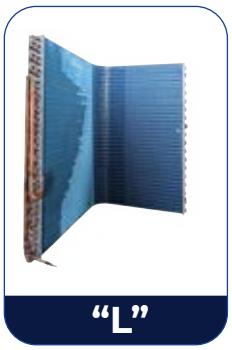
COILS:

High-quality coils made with copper tubes and aluminum fins, coated with Blue-Fin to ensure greater durability and superior performance.

Designed for replacement or customization, they adapt to the specific needs and configurations of each product.

They can be manufactured in the following configurations:


STRAIGHT

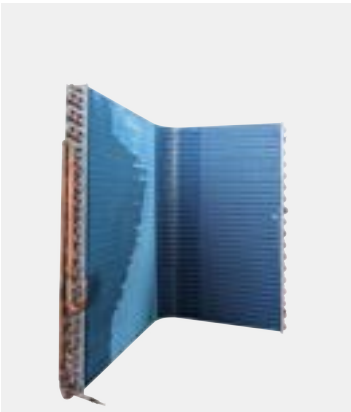

"L"


"C"

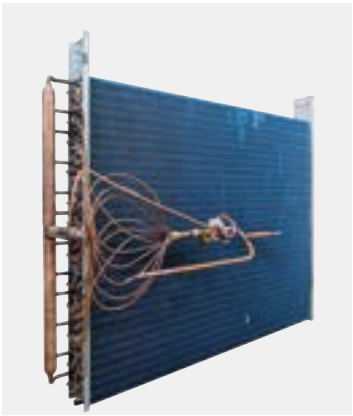
We offer anti-corrosion protection services through the application of elastomeric paint, creating a barrier that helps extend the lifespan of the coils.

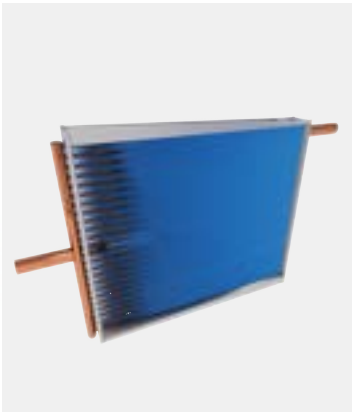
Note: This paint does not affect heat transfer.

Coil Types:


CONDENSER


CHILLED WATER / HOT


DIRECT EXPANSION EVAPORATOR


STEAM



HIGH FILTRATION AIR HANDLING UNIT

The purpose of this equipment is to ensure indoor air quality through a multi-stage filtration system, capable of retaining up to 98% of suspended particles and maintaining a constant airflow throughout the lifespan of the filters.

Special features (Kit Pro):



Alarm, dirty filter.



Suiche of flow.



Certified filters: MERV 8 / 11 / 13 / 15 / 16 in two or three stages



VFD frequency converter



Differencial pressure transmitter

Applications:











DIRECT EXPANSION AIR HANDLING UNIT

The direct expansion air handler is essential in HVAC systems, as it uses a coil where the refrigerant evaporates directly, absorbing heat from the air as it passes through. We offer air handlers with capacities ranging from 5-50 Ton, in two models designed to meet the highest demands for climate control and efficiency.

Air Handlers Units with AC Motors Nema Premiun:

Ideal for traditional applications, these systems offer reliable and consistent performance, ensuring a comfortable environment at all times.



Air Handling Unit with EC Motor plug fan IE5:

They incorporate advanced fan technology to ensure greater energy control, efficiency and quiet operation. We offer capacities ranging from 7,5-20 Ton.

Benefits of using EC motor:



- UP TO 29% — Reduction in energy consumption
- High energy efficiency
- Low maintenance cost
- Longer lifespan
- Multi-position discharge

CHILLED WATER AIR HANDLING UNIT

Discover excellence in climate control with our high-quality air handlers, designed to provide a comfortable and convenient experience through an efficient chilled water cooling system in capacities from 5 - 50 Ton.

These units are can be manufactured feature a structured, elegant, and compact design, ensuring greater comfort and optimal performance.



Applications:



Hotels & Restaurants



Commercial Buildings



Industry



Hospitals and Healthcare

WATER COOLED PACKAGE UNIT

They are compact and medium-sized indoor units, ideal for commercial and industrial applications. Available in capacities from 1 to 30 Ton, these units stand out for their easy installation, optimal performance, and high-quality components that ensure safety and reliability.



Key benefits:

- Compact Desing
- High Energy Efficiency
- Low noise level
- Superior Durability
- Simple maintenance

Applications:





