



INCLEAN TECHNOLOGIES

Catch breath



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WHO ARE WE

The harsh climate and fast-growing need for quality indoor environment serve as the foundation behind **INCLEAN**. One of the region's leading HVAC (Heating, Ventilation and Air Conditioning) solution provider to commercial, industrial and government bodies across India and Beyond

INCLEAN excels in the field of Air Engineering, we have expertise in field Air engineering like designing & supplying of industrial / commercial Axial Flow Fans, Centrifugal Blowers, Fire Rated Fans, Basement Ventilation fans & Fresh Air units. Apart from these products, we also undertake turnkey projects in the field of Industrial / Commercial exhaust & Ventilation Systems

INCLEAN is providing a complete engineering solutions in the field of ventilation and exhaust and also providing the extensive consulting after analyzing project with proper one window solution. We specialize in custom built HVAC Equipment



Designing and Planning

We create customized HVAC designs that ensure efficient airflow, energy savings, and long-term performance—tailored to meet every project's unique needs.

Equipment Planning and Selection

We ensure the right equipment is selected based on project needs—compact, efficient, and optimized for performance and space utilization.



Installation and Service Support

Our team ensures smooth installation and reliable after-sales support, with a focus on safety, precision, and long-term system performance.

OUR EXPERTISE

CENTRALISED COOLING & VENTILATION SYSTEM

Centralised Air Conditioning

INCLEAN designs Centralized Air conditioning systems for Industrial and Commercial to serve large spaces ranging from small shops to servers rooms and larger offices to restaurants among others. These systems come in different types but the most popular ones on the market today are the Water cool and DX Systems which include Indoor System, like Ductable, AHU, FCU, TFA and other air conditioning. Whichever choice you go for, make sure that it will serve you better

Centralised Evaporative System

Evaporative system produces effective cooling by combining a natural process water evaporation with a simple reliable air moving system. Fresh outside air is pulled through moist pads, where it is cooled by evaporation and circulated through a house or building by centrifugal blower. Air washer is supplied by INCLEAN in both single and double skin construction with compact less size with multi centrifugal fan design

INDUSTRY WE ARE SURVING

Basement Ventilation, Liftwell and Stairwell Pressurisation Pressurisation System



AIRCRAFT HANGAR VENTILATION



INDUSTRIAL VENTILATION SYSTEM & FUME EXTRACTION SYSTEM



POWER PLANT VENTILATION AND COOLING SYSTEM



CENTRALIZED AIR CONDITIONING

AHU (Air Handling Unit)



Energy-Efficient Air Handling Unit (AHU)

Our advanced Energy-Efficient Air Handling Unit (AHU) is engineered to deliver superior indoor air quality and climate control while optimizing energy consumption. Designed for flexible integration into commercial, industrial, and institutional HVAC systems, this AHU features both Direct Expansion (DX) and Chilled Water (CW) coil arrangements, offering maximum adaptability for varied cooling demands.

Key Features:

Energy Efficiency:

High-efficiency EC or VFD-driven fans for reduced power consumption.
Optimized coil design to ensure maximum heat exchange and minimal pressure drop.
Thermal break construction and double-skin panels with high-density insulation to minimize thermal losses.

Coil Arrangement:

DX Coil: Compatible with refrigerant-based cooling systems; ideal for standalone or smaller installations.

Chilled Water Coil: Integrates seamlessly with central chilled water plants for large-scale cooling applications.

Customized Filtration:

Modular filter section with options for G4 to H14 grade filters (pre, fine, and HEPA) as per IAQ requirements.
Easy access for filter replacement and maintenance.
Optional UV-C light or activated carbon filters for enhanced air purification.

Construction & Material:

Rigid, corrosion-resistant frame with powder-coated or galvanized steel housing.
Double-skin panels (inner GI/SS, outer GI/Powder-Coated) with 25–50 mm PUF or rockwool insulation.
Configurable in horizontal or vertical layout based on site constraints.

Control & Monitoring:

Integrated BMS-ready control panel with temperature, humidity, and airflow monitoring.
Option for IoT-based remote monitoring and diagnostics.

Floor Mounted AHU



Capacity Range
1000 CFM to 12000 CFM

Ceiling suspended



Capacity Range 800
CFM to 8000 CFM

FAN Coil Unit



Capacity Range
1tr to 4 tr

Applications:

Ideal for use in office buildings, hospitals, laboratories, Industries, cleanrooms, data centers, and other environments requiring high indoor air quality and efficient thermal management.

EVAPORATION COOLING UNIT

Single Stage Air Washer System



Single-Stage Evaporative Cooling Unit (Air Washer)

Our Single-Stage Evaporative Cooling Unit, also known as an Air Washer, is a cost-effective and eco-friendly solution for cooling and ventilating industrial and commercial spaces. Utilizing the natural principle of evaporative cooling, this unit delivers large volumes of fresh, cool air with minimal energy consumption and no refrigerants.

Key Features:

Efficient Cooling Performance:

Single-stage evaporative cooling reduces air temperature using water evaporation, providing a drop of 8–12°C depending on ambient conditions. High-efficiency cellulose cooling pads with extended surface area for maximum evaporation and longer life.

Robust Construction:

Heavy-duty, powder-coated or galvanized steel casing for corrosion resistance and long-term durability. Double-skin or single-skin options available based on application needs. Weather-resistant design suitable for rooftop or ground installation.

High Airflow Capacity:

Equipped with high-capacity centrifugal or axial fans for efficient air delivery. Low-pressure drop design ensures reduced fan energy usage.

Water Distribution System:

Uniform water spray through PVC/SS spray headers and nozzles for even wetting of pads.

Sump tank with automatic water level controller and drain for efficient water management.

Ease of Maintenance:

Large access doors for easy inspection and cleaning of internal components. Optional pre-filters or washable filters for dust and particulate control.

Eco-Friendly Operation:

Uses water as the cooling medium — no refrigerants or compressors. Low operating cost and minimal carbon footprint.

Capacity Range :-

2000 CFM to 180000 CFM

Double Stage Air Washer System

Double-Stage Evaporative Cooling Unit (Air Washer) Our Double-Stage Evaporative Air Washer is a high-performance, energy-efficient cooling solution that combines indirect and direct evaporative cooling technologies for enhanced thermal comfort and reduced humidity. Designed for demanding industrial and commercial applications, this system delivers cooler, fresher air with significantly lower energy consumption compared to conventional air-conditioning systems.

Key Features:

Two-Stage Cooling Process:

Stage 1 – Indirect Cooling: Air is first passed through a heat exchanger where it is cooled without adding moisture, maintaining lower humidity levels.

Stage 2 – Direct Cooling: The pre-cooled air then passes through wetted cellulose pads, further reducing the temperature through evaporative cooling.

Superior Cooling Efficiency:

Achieves higher temperature drops (up to 12–18°C depending on ambient conditions) with improved control over indoor humidity.

Delivers better thermal comfort compared to single-stage systems, especially in moderately humid climates.

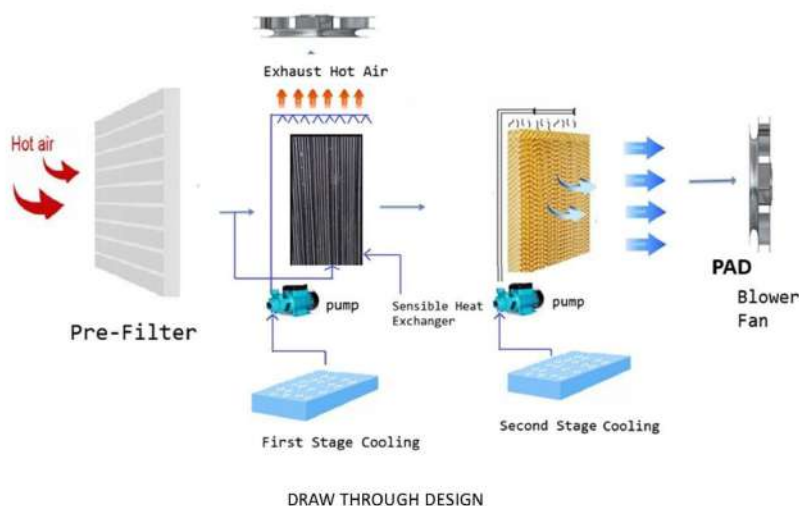
Energy Saving & Eco-Friendly:

Operates without refrigerants or compressors, using only water and air.

Significantly lower energy consumption compared to traditional HVAC systems.

Durable Construction:

Heavy-duty galvanized or powder-coated steel casing with corrosion-resistant components. Optional double-skin panels with PUF or rockwool insulation for thermal and acoustic performance. Modular design for easy installation and scalability.



Top Clients



Sales and Services Network

INCLEAN offers premium quality air conditioning equipment, and is committed to total customer satisfaction.

INCLEAN is proud of its equipments that works efficiently in various geographic locations



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