



PINAKY



MSME

MICRO, SMALL & MEDIUM ENTERPRISES

सहकार, सानु एवं मध्यम उद्यम

OUR STRENGTH • हमारी शक्ति

Ministry of MSME, Govt. of India



Who We Are!!!

We are a pioneering company specializing in the design, manufacturing, and distribution of state-of-the-art air handling units and ventilation systems. With a commitment to quality and innovation, we aim to provide superior indoor air quality solutions for diverse commercial, industrial, and residential applications.

Our **Vision** is to be recognized as the global leader in HVAC solutions, renowned for our innovation, sustainability, and excellence in engineering. We strive to create a healthier and more comfortable environment for people everywhere by continuously advancing our technology and expanding our reach.

At **Pinaky Air Handlers**, our **Mission** is to deliver innovative HVAC solutions for a sustainable future by prioritizing our customers' needs with high-quality, customized air handling systems that enhance indoor air quality and energy efficiency.

Our commitment to sustainability drives us to design and manufacture energy-efficient HVAC systems that reduce carbon footprints and support sustainable building practices.

We foster a dynamic and inclusive workplace that empowers our employees to excel and grow professionally, and we actively engage with our communities through initiatives that promote health, well-being, and environmental stewardship.

What We Offer!!!

At **Pinaky Air Handlers**, we are committed to providing cutting-edge air handling solutions designed to meet the diverse needs of our clients across various industries. Our extensive range of products ensures optimal air quality, energy efficiency, and comfort in every application.

Here's an overview of our offerings:

****Standard & TECH-ENHANCED AHUs****

****Single Stage, Double Stage & Three Stage Air Cooling Units****

****Wet & Dry Air Scrubbers****

****Filtration Units with High-Efficiency & Specialized Filters****

****State-of-the-Art Fan Coil Units****

****Energy Recovery Units****

****Tech-Enhanced Control Systems****

When integrated with our wide range of products, TECH-ENHANCED control systems offer real-time monitoring, remote access, and advanced diagnostics for optimized performance and energy savings

What About Quality & Services???

Commitment to Quality: Our Strength and Priority

At **PINAKY AIR HANDLERS**, quality is not just a promise; it's our fundamental principle. We believe that delivering high-quality products is paramount to achieving customer satisfaction and building long-term relationships. Here's how we ensure every unit we manufacture meets the highest standards of quality and reliability.

****Advanced Manufacturing Processes****

****Stringent Quality Control Measures****

****Continuous Improvement****



****Skilled and Experienced Workforce****

****Innovative Design and Engineering****

****Supplier Quality Management****

Commitment to Service: Our Primary Focus and Main Objective

At **PINAKY AIR HANDLERS**, exceptional service is at the core of our business philosophy. We understand that providing high-quality products is only part of the equation; delivering unparalleled service is equally crucial to ensuring customer satisfaction and loyalty. Here's how we prioritize service excellence to complement our quality products.

****Customer-Centric Approach**

****24/7 Customer Support****

****Proactive Maintenance Programs****

****Feedback-Driven Improvement****

****Fast Response Times****

****Spare Parts Availability****



Tech-Enhanced Units

Tech-Enhanced units by **PINAKY AIR HANDLERS** represent the pinnacle of advanced air handling technology, designed to meet the demands of modern HVAC systems with superior performance and reliability.

****Integrated Diagnostics****

****Modular Design****

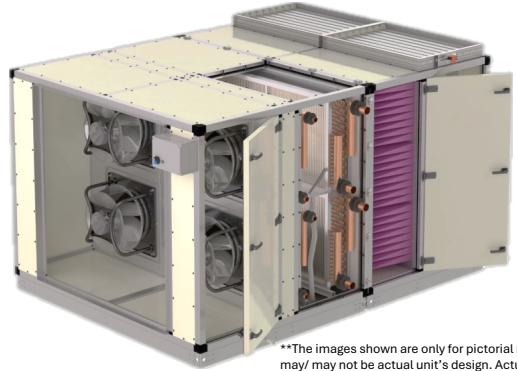
****Equipped with High Efficiency EC Fans/Variable speed drives (VSD)**

****Predictive Maintenance****

****In-built Control Panels with PLC****

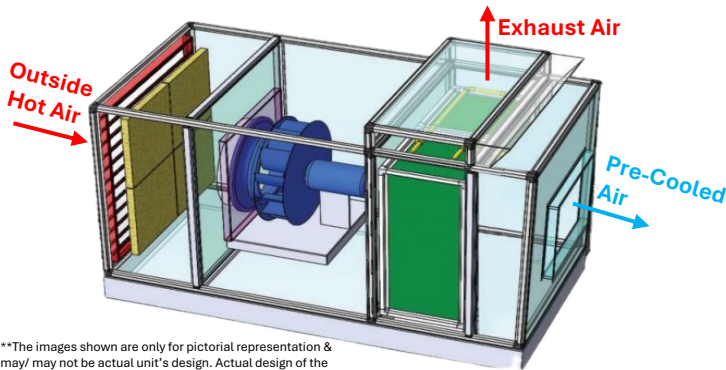
****Wide range of Sensors****

****Integration with Building Management Systems (BMS) & Fire Panels System (FPS)**



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Pre-Cooling Unit



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Pre-cooling units have potential to decrease up-to 50% of the central air conditioning load with 100% fresh air supply.

Once Pre-cooled through PCU the air can be supplied directly to the conditioned space or further cooled with Cooling coil.

These units can also be retrofitted to existing FAHU / TFA's or to the AHU Rooms.

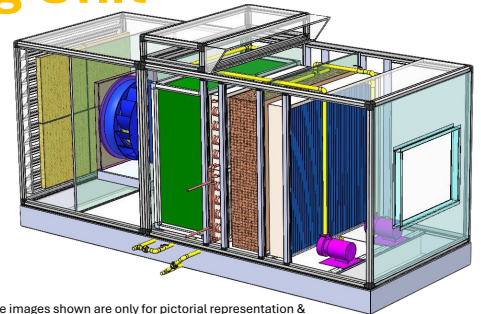
Two Stage (IDEC)/ Three Stage (Hybrid) Evaporative Cooling Unit

Pinaky's Two Stage (IDEC)/ Three Stage (Hybrid) Units combines Indirect & Direct Evaporative Cooling within one unit to achieve a comfortable indoor environment, using 100% fresh air, without the use of mechanical refrigeration.

The **Three Stage Unit** also accommodates a Cooling Coil as an additional cooling component which can be operated during various ambient conditions depending up on the desired temperature needs.

In **Two Stage Unit (IDEC/ Indirect-Direct Evaporative Cooling)**, during the Indirect Stage of cooling, the dry bulb temperature of the hot outside air is lowered using a Sensible Heat Exchanger (SHE) without the unwanted increase in the moisture content of the supply air stream & during Second/Direct Stage of cooling, air passes through an Evaporating media (cellulose fill) where it causes some of the water to be evaporated.

Three Stage/ Hybrid Cooling unit offers multiple operating modes to adjust efficiently with the fluctuating cooling demand throughout year. It consist of Two stages like IDEC unit and in addition to that, there is Third Stage in which dehumidification with cooling is done with help of chilled water or DX cooling coil.



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Standard Series of Air Handling Units

PINAKY AIR HANDLERS offers a wide range of air handling units to meet specific needs in climate control and air quality management. Their product line includes Ceiling Suspended Units which are ideal for spaces with limited floor area; Floor Mounted Units designed for larger spaces requiring robust air handling; and Vertical Air Handling Units providing efficient vertical airflow management. These units ensure optimal air purification, energy efficiency, and versatile installation options for various commercial and industrial environments. We offer Heat Recovery Units (HRUs) designed to enhance energy efficiency and air quality in commercial and industrial settings. These units effectively capture and reuse heat from exhaust air, reducing energy consumption and operational costs.



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State-of-the-Art Fan Coil Units Range



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Our Fan Coil Units (FCUs) are designed to provide superior indoor air quality, energy efficiency, and reliable performance for a wide range of commercial, industrial, and residential applications.

At **PINAKY AIR HANDLERS**, we incorporate advanced features and rigorous quality parameters to ensure our FCUs meet and exceed industry standards.

Air Washers, Air Scrubbers and Ventilation Units

PINAKY AIR HANDLERS provides a diverse range of air quality solutions, including Air Washer Units, Wet Air Scrubbers, Dry Air Scrubbers and Ventilation Units.

Our Air Washer Units, available in Single, Double, and Three Stage configurations, offer superior cooling and humidification.

The Air Scrubbers, including both Wet and Dry models, effectively remove contaminants like grease, smoke, and odours, ensuring clean and safe air in commercial kitchens and industrial environments.

Additionally, our Ventilation Units are designed to provide efficient and reliable airflow management, maintaining optimal indoor air quality and comfort.



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Highest Efficiency Components For Units

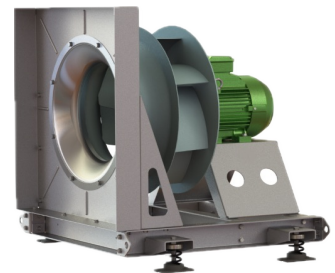
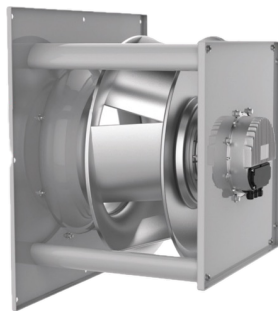
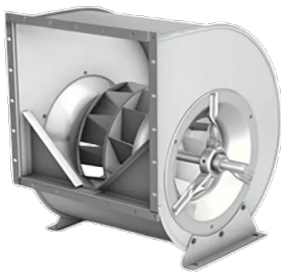


High Efficiency range of Fans & Motors

At **PINAKY AIR HANDLERS**, we are committed to delivering exceptional performance and energy efficiency through our use of best-in-class fans and motors. Our units are equipped with premium, high-efficiency fans designed to provide optimal airflow while minimizing energy consumption.

We offer a diverse range of motor options, including EC (Electronically Commutated) motors and VFD (Variable Frequency Drive) motors, which allow for precise control and enhanced performance. These advanced motors are known for their reliability, quiet operation, and superior energy savings.

Our focus on quality and innovation guarantees that every unit delivers outstanding performance, efficiency, and long-term value.



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World-Class Heat Exchanger Coils

At **PINAKY AIR HANDLERS**, we pride ourselves on offering high-quality heat exchanger coils designed to meet diverse application needs. Our coils are available with outer diameters of 1/2", 3/8", and 5/8", providing flexibility for various system requirements.

Customers can choose from a variety of fin options, including Plain Aluminium, Anti-corrosive Coatings, Hydrophilic Coated Fins, and Copper Fins, ensuring optimal heat transfer and durability.

Additionally, our coil tubes are available in both Copper and Stainless Steel (SS), offering robust performance and corrosion resistance.

The coils are engineered to handle different fluids, including water, brine, steam, and refrigerants, making them suitable for a wide range of heating and cooling applications.



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