

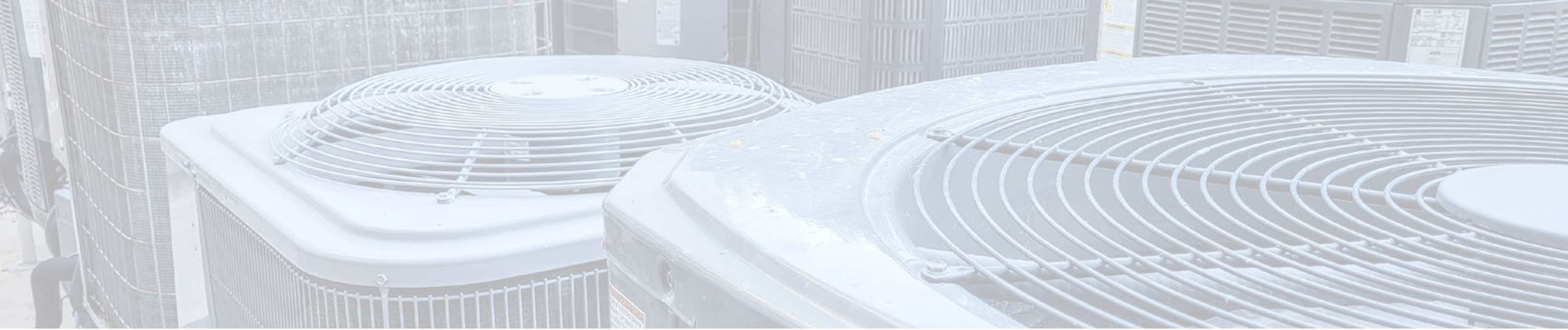


Brand owned by **Millat Group**



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INTRODUCTION TO MILLAT GROUP

Millat Group is a diversified engineering and manufacturing group of companies comprising Millat Consultancy, Millat Engineering Solutions, Allied Fire & Safety and ATMOS® Technologies under its umbrella.

Millat Group is well recognized for its quality, professionalism and approach. In the last decade, it has built its reputation as a respected and trusted provider of complex and technically challenging MEP services. The organization takes pride in its legacy that is built on the pillars of engineering excellence and the acumen to forecast and adapt to changing needs.

MILLAT CONSULTANTS founded in 2013 as a dynamic and multi-disciplined firm that offers complete MEP Design/Consultancy services for (HVAC, Firefighting, Plumbing, Electrical & Building Automation & Communication System). For over the period, Millat Consultants has been providing quality and innovative design solutions for our valued clients. Today, the company is ranked among the most reputable MEP consultancy service providers in Pakistan.

Millat Engineering Solutions actually mounted upon an idea to transform design concepts into reality through a single network & skilled team to achieve optimum level of performance and offers comprehensive engineering solutions for MEP Systems for all kinds of buildings, i.e. Commercial, Industrial, Residential, Institutional, Hospitals etc.

Allied Fire & Safety has been established to offer ONE WINDOW services after honoring our valued customer's demand and embryonic field for building security. From the services of consultancy, design, a complete range of Quality Fire Hydrant and Fire Detection System products with economical prices are available backing with highly skilled labor for installation and troubleshooting etc.



BRAND STORY

ATMOS® is conceived as a standard of technological superiority and astute engineering. The brand is not positioned to merely contend within the market but rather to reconstruct the HVAC industry landscape through forward-thinking and client centric climate management solutions. The Company's vision is to become a market leader in HVAC industry, thereby elevating the customer experience to the next level.

ATMOS® offers complete climate solutions to address all your HVAC needs. Every product that comes under the ATMOS® brand is the result of solid engineering and optimized manufacturing, top-quality materials and of course designed specifically to cater the unique needs of our customers and their implementation in commercial, industrial and residential settings.

ATMOS® is more than a line of products, it is a strategic change, a new way of thinking, acting and implementing. This catalogue showcases our advanced HVAC solutions built for best performance, efficiency and adaptability.



Powerful and stylish air conditioner ideal for modern interiors



AIR COOLED SPLIT UNIT (ASU)

The Air Cooled Split Unit (ASU) functions as an efficient cooling system for business establishments across all size categories. The ASU delivers adaptable installation methods through multiple air distribution systems to suit office spaces, retail stores and industrial facilities. The system operates efficiently at reduced energy costs and needs little maintenance which establishes it as a reliable solution for long-term comfort and operational efficiency.

FLOOR STANDING UNIT

ATMOS[®] Floor Standing Unit seamlessly combines efficiency, comfort and contemporary design to create an ideal climate solution for both residential and commercial spaces. Engineered for performance, it delivers powerful, uniform air distribution that quickly adjusts room temperatures to your desired setting with exceptional precision and consistency. Its sleek, vertical form not only saves space but also enhances the aesthetics of any interior, making it a smart and stylish choice for modern environments.

Flexible Air Discharge
Air flow direction can be easily adjusted, auto horizontal swing and manual setting of vertical airflow louver to accommodate your cooling need.

Powerful Airflow with Far Air Throw Range
Able to deliver air flow distance up to 25m due to its powerful airflow. With its powerful airflow, the cool air can be distributed evenly to every corner of the room.

Indoor Air Purification
Unit comes with advanced Plusma Technology which effectively deactivate bacteria by damaging microbial DNA and surface structures. It emits massive positive and negative ions, and sterilize surrounding air more effectively.

- Auto Restart
- Quiet Design
- LCD Display
- Anti-Rust Cabinet
- Easy-clean Panel
- Indoor Air Purification
- Self-diagnosis and Auto-protection
- Independent Dehumidification
- Valve Protection Cover

Unit capacity: 2 Tons up to 8 Tons



Fits Anywhere
Cools Everywhere



CEILING AND FLOOR MOUNTED AC UNIT

ATMOS® Ceiling & Floor Mounted Unit offers unmatched flexibility in installation and performance, making it a versatile choice for a wide range of interiors. Whether mounted near the ceiling to save space or installed closer to the floor for direct airflow, this unit ensures efficient, uniform temperature control in any setting.

With its sleek, compact design and quiet operation, it integrates effortlessly into residential, commercial, or hospitality environments. Engineered with advanced airflow technology, the unit delivers fast and balanced cooling or heating, while supporting intelligent control options for enhanced convenience and energy efficiency.

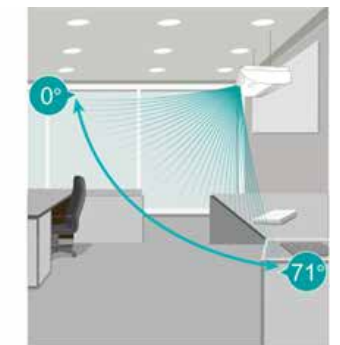
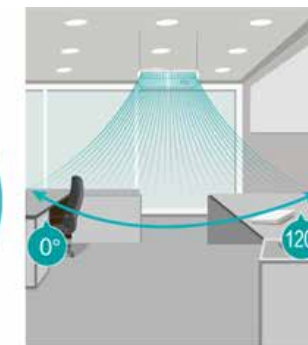
HIGH ELEVATION

It provides much greater flexibility as it can be installed even in places where the elevation is up to a height of 15m - which is higher, or two storeys more, than conventional air conditioners.



WIDE AIR SUPPLY

Louvers consist of horizontal and vertical flaps to cover larger coverage area to the edges of any rooms. Wider opening angle from up to 120° for vertical louvers and up to 71° for horizontal louvers supplies air further and lower down to floor.



CONVENIENT INSTALLATION AND MAINTENANCE

Adjust the ceiling or wall mounting height by just opening the side panels without the need to access the internal parts. Service manholes are unnecessary due to the strategic repositioning of piping connections and electrical box behind the air return panel.

Cool, Quiet and Concealed



Fan Coil Unit with Outer Casing

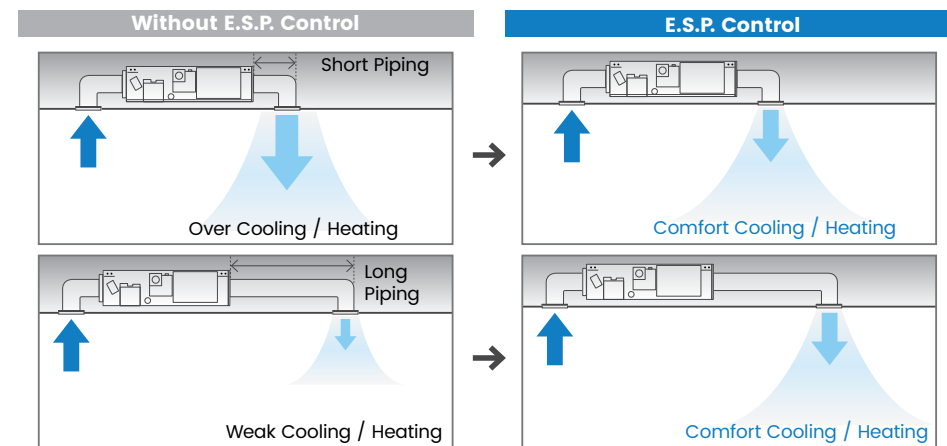
Fan Coil Unit without Casing

DUCTED DX SPLIT AIR CONDITIONING UNIT

ATMOS® Ducted DX Split Unit is designed for seamless integration and high-performance climate control across larger residential and commercial spaces. Installed discreetly above ceilings or behind walls, this system delivers powerful and uniform airflow through a network of ducts, providing invisible yet efficient temperature control throughout every corner of the room.

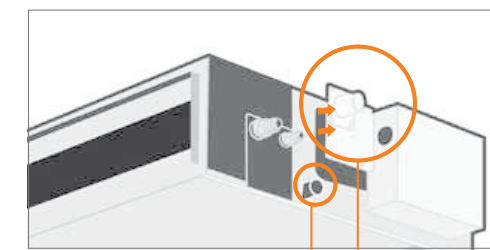
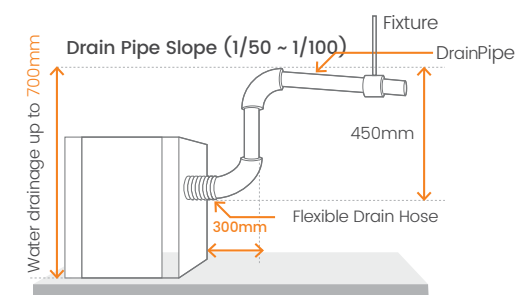
Engineered for flexibility and quiet operation, the unit supports a wide range of static pressure settings and can be tailored to fit diverse architectural layouts. With its energy-efficient design, advanced inverter technology and compatibility with ATMOS® smart control systems, it offers an ideal solution for environments that demand comfort without compromise.

E.S.P. (EXTERNAL STATIC PRESSURE) CONTROL



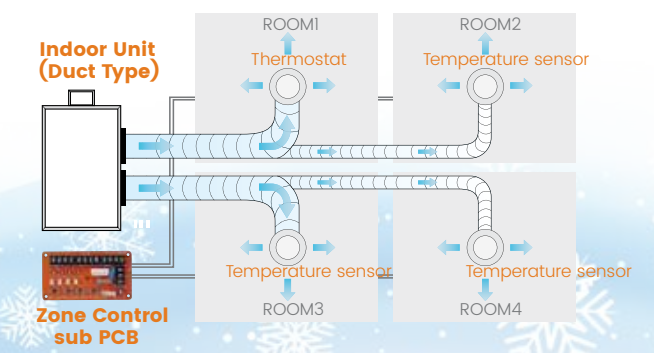
HIGH HEAD DRAIN PUMP

High head drain pump automatically drains water up to a height of 200mm of drain-head height. It provides the perfect solution for draining of water.



Available for Natural Drainage
Detachable Drain Pump

OPERATION FOR MULTIPLE ROOMS



Unit capacity: 2 Tons up to 8 Tons

Compact Cooling, Maximum Performance

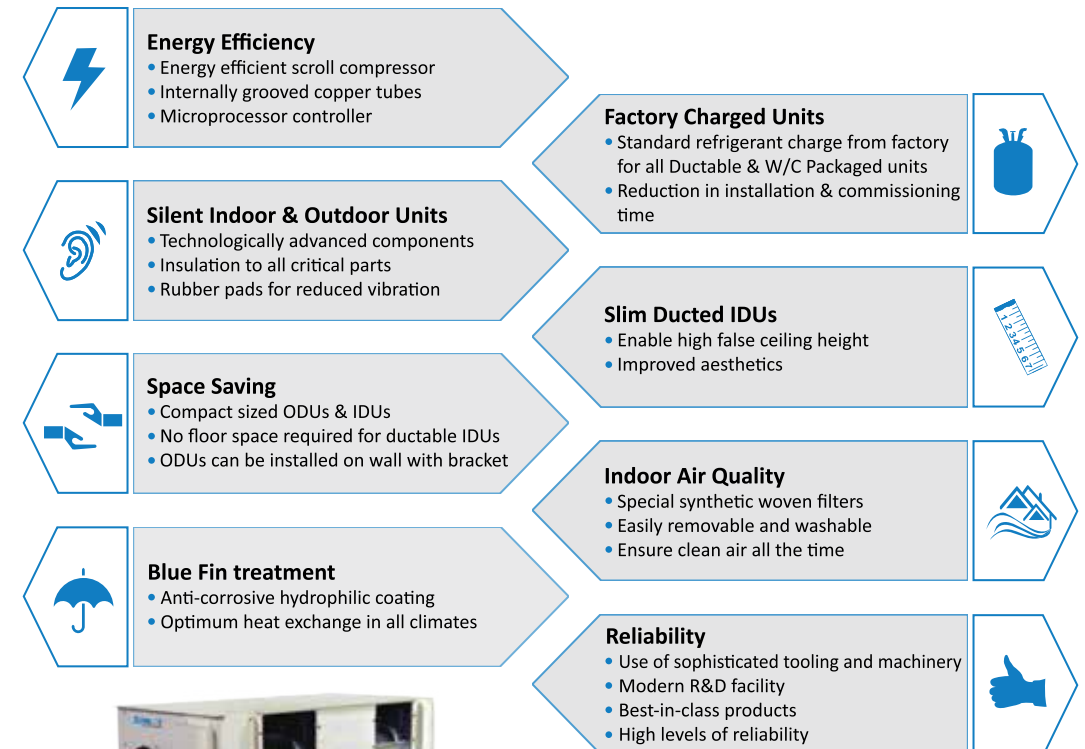


WATER COOLED PACKAGED UNIT (WCP)

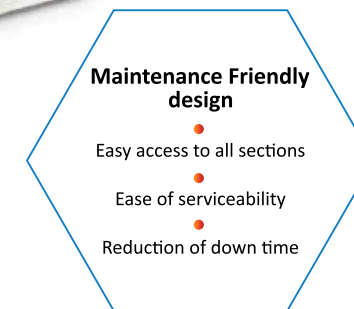
ATMOS[®] Water-Cooled Packaged Unit (WCP) is engineered for high-capacity cooling performance in spaces where air-cooled solutions may not be suitable. Ideal for buildings with limited outdoor access or high ambient temperatures, this unit utilizes water as the heat rejection medium, ensuring stable, energy-efficient operation year-round.

Designed for indoor installation, the WCP offers a space-saving footprint, quiet operation and simplified maintenance. Its robust design and advanced compressor technology make it a reliable solution for demanding commercial and industrial environments, such as basements, equipment rooms, or high-rise buildings.

KEY FEATURES



CONTROL ROOMS



MULTIPLEXES



BANQUET HALLS

Unit capacity: 3 Tons up to 30 Tons.

Cooling Made Simple, Performance Made Strong



AIR COOLED SELF CONTAINED PACKAGED AIR CONDITIONER

ATMOS® Air-Cooled Self-Contained Packaged Unit delivers a complete, stand-alone air conditioning solution designed for ease of installation, dependable operation and consistent comfort. With all major components—including the compressor, condenser, evaporator and controls—integrated into a single compact cabinet, this unit is ideal for spaces where simplicity, efficiency and reliability are essential.

Engineered for outdoor or indoor installation, it eliminates the need for external piping or complex refrigerant lines. The air-cooled condenser allows for effective heat rejection without the need for a cooling tower or water source, making it a cost-effective and low-maintenance option for commercial, institutional and industrial applications.



SCROLL COMPRESSORS

Scroll type compressors for increased efficiency and reliability.



EC PLUG FANS

Speed controlled high static direct drive impeller with Electronically Commutated (EC) variable speed motor for lower energy use.



OUTDOOR COIL GUARD

Provides protection from the elements and impact damage.



HYBRID AXIAL FAN

Speed controlled direct drive external rotor motor with hybrid blades for improved efficiency and performance.

Unit capacity: 3 Tons up to 40 Tons

Smart Air Handling for Smarter Spaces



STANDARD AIR HANDLING UNIT

ATMOS® Standard Air Handling Unit is designed to deliver reliable, high-efficiency air distribution for a wide range of HVAC applications. Engineered with precision, this unit offers flexible configuration options, making it suitable for both comfort and process air conditioning in commercial, institutional and industrial spaces.

Constructed with a rigid, corrosion-resistant frame and double-skin insulated panels, the unit ensures thermal efficiency, structural integrity and quiet operation. Integrated with high-performance fans, filters and coils, the ATMOS® AHU supports customized airflow solutions while maintaining optimal indoor air quality and energy performance.

The AHU's are manufactured in varied configurations

VERTICAL TYPE AHU

Benefits :

- Less Foot Print
- Compact Design
- High Cooling Performance
- Energy Efficient
- Use For Space Constraint Areas
- Best Suitable For Indoor Placement



INDUSTRIAL AHU

Benefits :

- Standard/Customized Design
- High Cooling Performance
- Energy Efficient
- Suitable For Open Air Installation
- Weather Resistance Paint

HORIZONTAL TYPE AHU

Benefits :

- High Cooling performance
- Optimized Size for less footprint
- Energy Efficient
- Suitable for Low Height Room/Space Installations



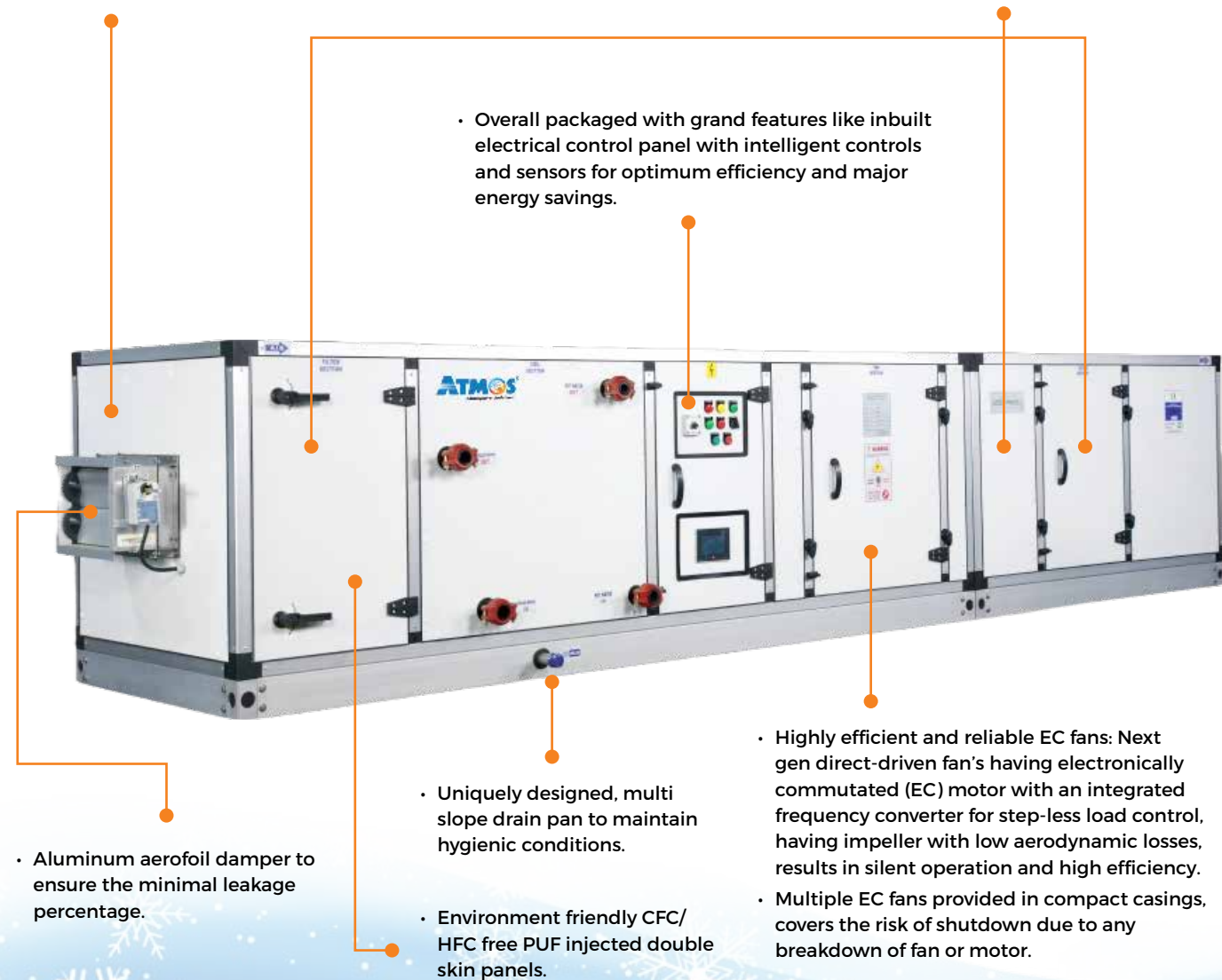
Capacity range : 1000 CFM to 10000 CFM

PHARMA AIR HANDLING UNIT

ATMOS® Pharma Air Handling Unit is specially engineered to meet the strict air quality and hygiene requirements of pharmaceutical and cleanroom environments. Designed for GMP-compliant applications, this unit ensures controlled temperature, humidity, filtration and pressure, delivering sterile and contaminant-free airflow essential for pharmaceutical manufacturing, laboratories and healthcare facilities.

Built with smooth, crevice-free interiors, anti-microbial finishes and easy-to-clean components, the unit supports cleanroom classifications. Its robust, modular construction allows for flexible configurations tailored to specific process needs while maintaining energy-efficient performance and low noise levels.

- Unique design thermal brake profile and panel to meet the International standard for leakage class.
- Corrosion resistant aluminum profile with special designed coving.
- Rigid frame work design inherent to the casing strength and stability.
- Controls airborne particles, dust and micro-organism through air filtration using highly efficient low pressure drop particulate air filters.



Unit capacity: 1,000 up to 30,000 CFM.

CEILING SUSPENDED AIR HANDLING UNIT

ATMOS® Ceiling Suspended Air Handling Unit is a compact and efficient air management solution, designed for environments where floor space is limited. Mounted directly beneath the ceiling, this unit offers powerful air distribution while maintaining a minimal footprint, making it ideal for retrofit projects and modern commercial interiors.

Despite its compact size, the unit delivers robust performance, featuring high-efficiency fans, advanced filtration options and quiet operation. Its modular construction allows for flexible configurations, while easy-access service panels simplify maintenance. Built with durability and ease of installation in mind, the ATMOS® ceiling suspended AHU ensures consistent indoor air quality and energy-efficient operation in a variety of settings.



Ceiling Suspended Ducted Unit (Belt Driven)



Compact Low Height Noise Ceiling Suspended Air Handling Unit



Ceiling Suspended Ducted Unit (Direct Driven)

FEATURES

- Compact & Lightweight Design
- 100 % Fresh Air Intake
- Efficient Fans
- High-Performance Filters
- Cooling/Heating Coils
- Stainless steel insulated sloped drain pan (Optional)
- Low Noise Operation

BENEFITS

- Improved Indoor Air Quality
- Space-Saving Design
- Energy Efficiency
- Quiet Operation
- Customizable Airflow & Capacity
- Easy Maintenance
- Prevents Humidity & Mold Growth
- Customized
- Energy Efficient

Unit capacity: 1,000 Up to 4,000 CFM.

TREATED FRESH AIR HANDLING UNIT (TFAHU) WITH HEAT RECOVERY WHEEL (HRW)

ATMOS® Treated Fresh Air Handling Unit (TFAHU) with integrated Heat Recovery Wheel (HRW) is designed to deliver fresh, filtered and conditioned air while significantly improving energy efficiency. Ideal for modern buildings with high ventilation demands, this unit ensures optimal indoor air quality by introducing treated outside air and recovering energy from exhaust air—reducing both cooling loads and operational costs.

Built with a compact, modular design, the unit incorporates high-efficiency filters, cooling/heating coils and a rotary heat recovery wheel that transfers both sensible and latent heat. This makes it especially suitable for hot and humid climates, where reducing indoor humidity and minimizing energy waste are critical. The ATMOS® TFAHU with HRW is perfect for green buildings and spaces focused on sustainable ventilation solutions.



FEATURES

- High-efficiency sensible/enthalpy wheel recovers 70–85% energy from exhaust air
- Ideal for IAQ compliance in commercial and industrial spaces
- Energy-Efficient Fans
- Multi-Stage Filtration
- High-Efficiency Coils
- Corrosion-Resistant Wheel Media

BENEFITS

- Energy Savings
- Improved Indoor Air Quality (IAQ)
- Lower Operating Costs
- Compliance with Green Building Norms
- Enhanced Comfort
- Minimal Environmental Impact
- Year-Round Performance
- Low Maintenance



Filtration

G4 (pre-filter), F7-F9 (fine filter)



Fan Section

EC / backward curved centrifugal / plug fans & VFD compatible



Heat Recovery Wheel

Sensible or enthalpy type; up to 70–85% efficiency

Unit capacity: 1,000 up to 10,000 CFM.

TFA WITH PLATE TYPE HEAT EXCHANGER (PHE)

ATMOS® Treated Fresh Air Unit (TFA) with Plate-Type Heat Exchanger (PHE) is a high-efficiency ventilation solution designed to supply 100% fresh, filtered and conditioned air while recovering energy from the exhaust stream. Engineered for enhanced indoor air quality and energy-saving operation, this system is ideal for applications where air cross-contamination must be minimized and thermal efficiency is a priority.

The integrated Plate-Type Heat Exchanger enables sensible heat recovery between incoming and outgoing airflows without mixing them, making the unit particularly suitable for environments with hygiene-critical needs or odor control requirements. Its modular, compact design, premium filtration and smart control compatibility ensure seamless integration into modern ventilation systems.



FEATURES

- Air-to-air heat recovery using cross-flow or counter-flow aluminum plates
- Recovers 60–75% sensible heat, reducing cooling/heating load significantly
- Delivers fully treated outdoor air, compliance with IAQ and ventilation standards
- No Cross-Contamination

BENEFITS

- Energy Efficiency
- Improved Indoor Air Quality (IAQ)
- Low Maintenance Costs
- Hygienic & Contamination-Free
- Compact & Space-Saving
- Environmental Compliance
- Quiet Operation
- Cost-Effective



Filtration

G4 (pre-filter), F7-F9 (fine filter)



Fan Section

EC / backward curved centrifugal / plug fans & VFD compatible



Heat Exchanger Type

Plate type (cross-flow or counter-flow)

Unit capacity: 1,000 up to 10,000 CFM.

EXHAUST AIR UNIT

ATMOS® Exhaust Air Unit is engineered to provide effective and continuous removal of stale, contaminated, or excess indoor air, helping maintain optimal indoor air quality and balanced ventilation across a wide range of applications. Designed for integration into central ventilation systems, this unit ensures silent, energy-efficient extraction of air from designated spaces such as washrooms, kitchens, technical rooms, or industrial zones.

Constructed with durable, corrosion-resistant materials and equipped with high-performance fans, the ATMOS® Exhaust Air Unit guarantees consistent airflow, low noise levels and long operational life. Its compact design and service-friendly access panels make it easy to install and maintain in both new and retrofit projects.



FEATURES

- Efficient Exhaust Air Handling Specifically engineered to remove stale, contaminated, or warm air from indoor spaces, ensuring proper ventilation and air exchange.
- Robust Modular Construction Double or single-skin panels, galvanized or powder-coated steel and extruded aluminum framework ensure strength, longevity and design flexibility.
- Advanced Fan Technology Features EC or VFD-driven centrifugal fans mounted on vibration-dampening platforms for quieter, more energy-efficient performance.
- High-Performance Insulation Thermal and acoustic insulation with materials like PUF, Glass-wool, or Rock-wool helps maintain internal conditions and reduce noise pollution.

BENEFITS

- Enhanced Indoor Air Quality (IAQ) Effectively removes contaminants and odors, promoting a healthier indoor environment for occupants across all sectors.
- Supports Health & Hygiene Standards Especially beneficial in sensitive environments like hospitals, pharma clean-rooms and schools where air purity is critical.
- Energy-Efficient Operation Smart fan control and thermally efficient casing reduces energy consumption, supporting long-term operational savings.
- Low Maintenance & Long Service Life Durable build, high-quality filters and easy-access panels lead to fewer breakdowns and reduced service interruptions.
- Versatile Across Industries Suitable for a wide range of applications—from commercial offices and retail malls to laboratories and industrial facilities.

Customizable Airflow Range Offers airflow capacities ranging from 1,000 CFM to over 10,000 CFM, adaptable for both small- and large-scale facilities.

FRESH AIR UNIT (FAU)

ATMOS® Fresh Air Unit (FAU) is designed to introduce 100% filtered and conditioned outdoor air into indoor environments, improving indoor air quality and maintaining healthy ventilation levels. Ideal for buildings with limited natural ventilation, the FAU ensures a continuous supply of fresh, oxygen-rich air, supporting occupant comfort and regulatory compliance for ventilation standards.

Compact, efficient and easy to install, the unit features high-quality filtration, optional cooling and heating coils and quiet operation, making it suitable for a variety of commercial and institutional settings. The robust construction, low energy consumption and integration with ATMOS® smart controls make it a reliable solution for long-term ventilation needs.

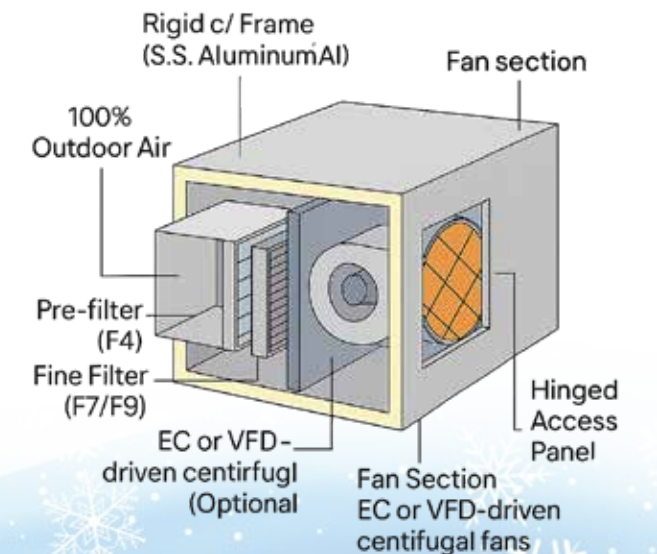


FEATURES

- 100% Fresh Air Intake
- High-Efficiency Filtration
- Energy Recovery (Optional)
- Easy Maintenance

BENEFITS

- Improved Indoor Air Quality
- Humidity Regulation
- Health & Hygiene Support
- Energy Savings (with recovery)
- Regulatory Compliance
- Occupant Comfort & Productivity



Airflow Capacity from 1000 CFM to 10,000+ CFM, based on project needs

Precision Cooling. Whisper Quiet

**SINGLE SKIN
FAN COIL UNIT**



**SINGLE SKIN
DC FAN COIL UNIT**



**DOUBLE SKIN
FAN COIL UNIT**



DUCTED CEILING CONCEALED FAN COIL UNIT (FCUS)

ATMOS[®] Ducted Ceiling Concealed Fan Coil Unit is a compact and discreet air conditioning solution designed for seamless integration into false ceilings and ducted networks. Ideal for residential, commercial and hospitality spaces, this unit delivers quiet, efficient cooling and heating while remaining completely hidden from view—preserving the interior design aesthetic.

Equipped with high-performance fans, low-noise operation and versatile airflow configurations, the ATMOS[®] concealed FCU ensures uniform air distribution and precise temperature control. Its slim profile and easy service access make it the preferred choice for both new construction and retrofit installations.

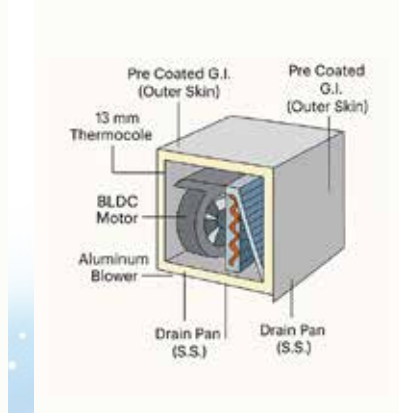
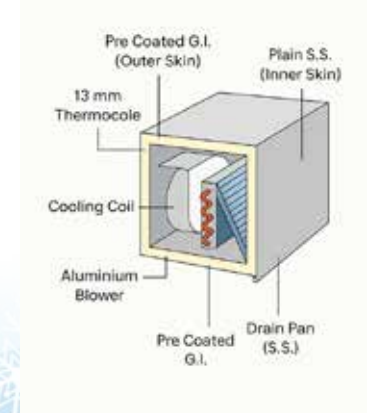
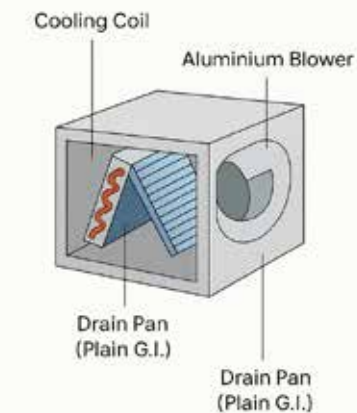


FEATURES

- Compact Design
- Multiple Unit Types
- Quiet Operation
- Versatile Pipe Configurations
- Durable Drain Pan
- Efficient Filtration
- Service-Friendly Access
- Multiple Mounting Options

BENEFITS

- Improved Indoor Air Quality
- Energy Savings
- Low Noise Levels
- Flexible Integration
- Application Versatility
- Reduced Downtime
- Long-Term Durability
- Customizable Capacities
- Cost-Effective Comfort
- Sustainable Choice



Unit capacity: 1 Ton up to 4 Tons.

APPLICATIONS



Factory
Shop Floors



Canteen &
Kitchen Ventilation



Warehouses



Cinema
Halls



Residences



Green House
& Tea Industry



Schools



Showrooms



Religious
Places



Offices



Shop Floor &
Assembly Line



Hotels
& Restaurants



Gym



Multipurpose Halls



Poultry Farm






We are committed to achieving sustainable business growth while creating meaningful value for our clients. With a strong focus on indigenous product design and local manufacturing, we deliver innovative solutions tailored to meet diverse market needs.



Millat Engineering Solutions

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