



Green World: Inspiration behind making every single Air Handling Unit at Edgetech

Edgetech: Air Handling Solutions with a 360° edge

Reliability, Efficiency and Uncompromising Quality ... that's Edgetech.



Looking for the best high end air handling unit and trying to decide on the best option to suit your applications without the complexity is never easy. That's why we have always been focusing on the development of systems designed to make your life easier and your facility run more efficiently.

Our range of technologically advanced AHU's will enable you to enhance reliability, efficiencies and profitability. It really is as simple as that.

Since inception our work philosophy has been based on two principle ... continuous innovation and the determination to make and supply the best in class range of AHU's specifically developed to meet customers need for uptime, energy efficient and operational reliability and aspire to occupy the leadership position.

Installations ranging from institutions, offices, industrial buildings, food industry, hospitals & labs, data processing centers, schools to colleges, Edgetech eco-friendly air handling solutions over the years have earned a global reputation for unparalleled energy efficient product performance.

1.5 Lac Sq. Ft. State-of-the-art World Class Manufacturing Space

Adhering global benchmarks at every stage of manufacturing.



IGBC Certified Gold Rated Green Building



Our world class green facilities with over 1.5 Lakh sq. feet of manufacturing space is equipped to meet the highest Quality practices of global bench marks. Each product passes through stringent quality & environment-friendliness checks at every stage of production. Also, our manufacturing systems allow maximum flexibility in dimensions, materials & components, thus, enabling customization to match precise client requirements. Armed with ISO 9001: 2015 and ISO 14001: 2015 certifications, at every stage throughout design and manufacture, we strive to work, with our clients to ensure we adhere to their specifications.

At Edgetech, achieving ever greater energy efficiency is a constant objective. In our endeavour to become No. 1 company in manufacturing energy efficient AHUs & FCUs, we relentlessly redesign & renovate our assembly lines at our manufacturing facility together with employing latest machines from all over the world to make AHUs & FCUs with rugged construction for ease of installation, longevity and powerful performance.

Performance at its best.. certified by the best institutions in the world

Environment Management & Quality Management at the core ... that's Edgetech.



**Edgetech is delighted to
announce receiving of the most
coveted and prestigious
AHRI certification for its
Air Handling Units.**

**The very first AHU company in India
to have achieved this milestone.**

The highly prestigious and internationally recognized... the AHRI 1350 certification programme rates the mechanical performance of an AHU.

Our unwavering commitment to world class quality has been further affirmed by the prestigious certifications received by Edgetech over the years



EN **CE**
AHUs Certified as per EN 1886 CE Certified AHUs



ISO 9001: 2015 Certified

ISO 14001: 2015 Certified

At Edgetech, quality management is not a once-in-a-decade phenomenon, but an innate attribute that is deeply ingrained in our DNA.

Our state-of-the-art manufacturing plant is equipped to meet the challenges of any market requirement. Each product passes through stringent quality & environment-friendliness checks at every stage of production. Armed with most credible AHRI Certification (Air-Cooling and Air-Heating Coils AHRI Standard 410) EN1886, CE, ISO 9001: 2015 and ISO 14001: 2015 certifications, Edgetech is ready to serve its many discerning customers at home and abroad.



e₃ *next* | **GEN AHUs**

**Edgetech's most advanced, energy efficient
and eco-friendly range of air handling systems,
answer to the most demanding
and critical applications.**

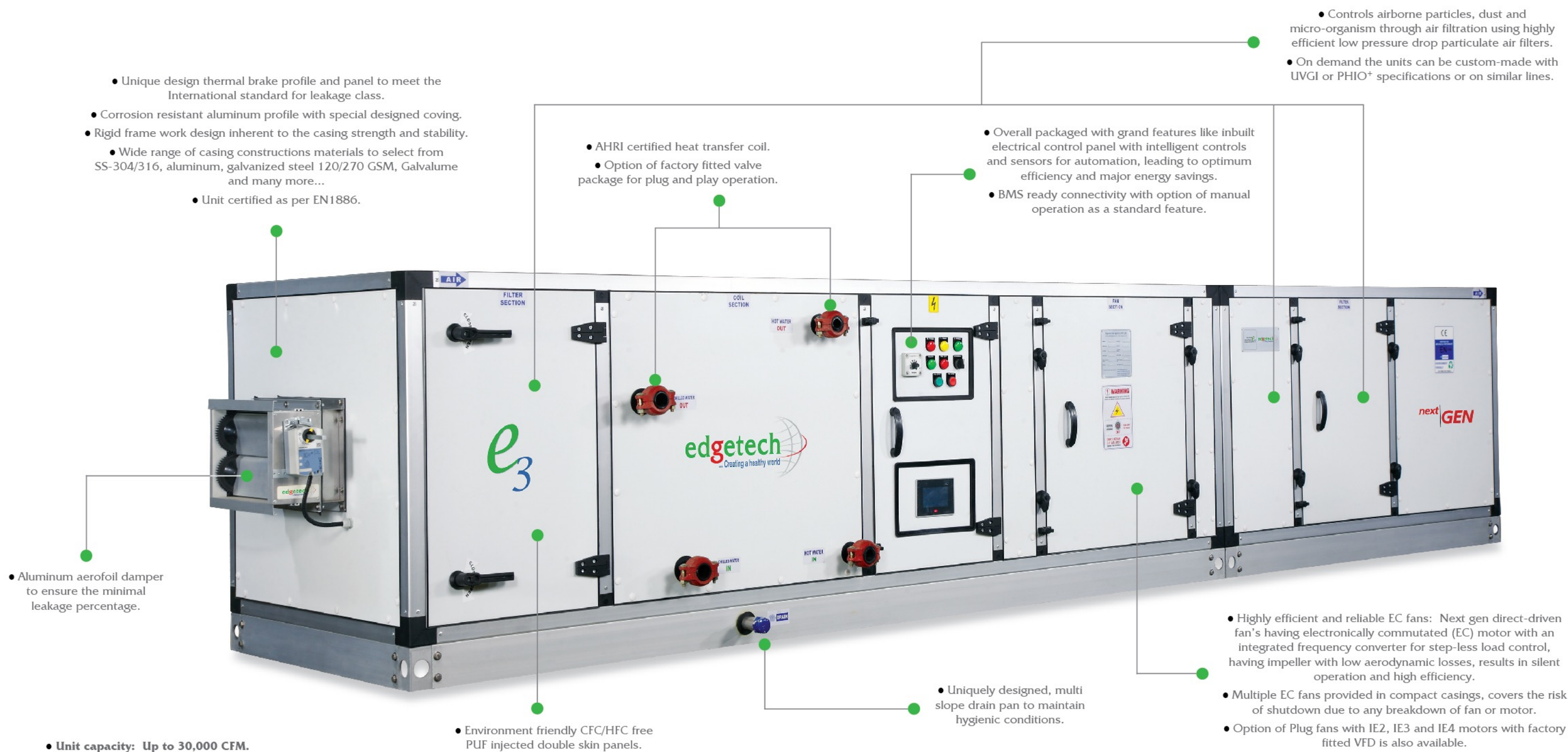
e₃ Edge next GEN the most energy efficient, super silent AHU for the cleanest air

The E3 Edge series of AHU, by intent is made with compact space footprint. Consumes low energy, works quietly to deliver cleanest of the air. Specially designed thermo-acoustic panels ensure optimum thermal properties and lower noise levels. The E3 Edge series of AHU comes with super advance features and accessories.



e₃ Cleanroom next GEN AHU, to meet all hygienic requirements for the Pharma and Cleanroom applications

E3 Cleanroom AHU by Edgetech is especially designed to minimize the introduction, generation and retention of particulate and microbial contaminations in healthcare industry.



e₃next GEN Air Purification System, to meet all requirements of maintaining Healthy Air

Advanced filtration system that provides tropical / economy-oriented air movement, giving pleasant natural Himalayan like environment.

E3 Next Gen Air Purification System has capability to remove harmful indoor and outdoor pollutants like atmospheric gases, odour, biological contaminants, VOC's and other compounds while maintaining particulate matter (PM-10, PM-2.5 & PM-1) levels, effecting the overall air quality.

**ACREX AWARD
OF EXCELLENCE**

for outstanding work in the Technology
Developed in India Category - Year 2017



- Overall packaged with grand features like inbuilt electrical control panel with intelligent controls and sensors for automation that leads to optimum efficiency and major energy savings.
- Air filter Pressure drop Alarm along with change indicator
- On-Off timer • BMS ready connectivity with option of manual operation as a standard feature.

- Highly efficient and reliable EC fans.
Next Gen direct-driven fan having electronically commutated (EC) motor with an integrated frequency converter for step-less load control, having impeller with low aerodynamic losses. Results in silent operation and high efficiency.
- Option of Plug fans with IE2, IE3 and IE4 motors with factory fitted VFD also available.

- Unique design 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.
- Unit certified as per EN1886.



- Highly efficient and low pressure drop filtration technology maintains permissible PM 2.5 levels.

- Special chemical/molecular filtration system removes harmful atmospheric gases and odours.
- Photocatalytic oxidation (PCO) in the system completely oxidizes and degrades organic contaminants.

Option and Accessories

Multiple combination of filter media are available like:

- a) For particles only. b) For particles, VOCs and ozone. c) For particles and formaldehyde.
- d) For particles, VOCs, ozone and formaldehyde. e) For particles, acids and gases.
- On demand the unit can be custom-made with UVGI or PHIO⁺ specifications.
- IOT/ Digitally controlled user interface to check and monitor air quality over internet.

e₃ Packaged Vertical next GEN AHU, offers complete solutions to all the modern challenges of space, noise and energy, with all the advanced features



- Overall packaged with grand features like inbuilt electrical control panel with intelligent controls and sensors for automation, leading to optimum efficiency and major energy savings.
- BMS ready connectivity with option of manual operation as a standard feature.
- In built electrical panel with VFD as option available.

- Energy efficient high static plug/plenum fans for quieter AHU operation.
- Choice of high efficiency motor with AC drive or BLDC (PM motor) drive.

Inside view of the system



- Double skin compact plug and play type of Vertical AHU's are designed for applications where limited ground coverage is an essential requirement. The systems save 30 to 40% precious floor space.
- Unique design 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.

- Highly efficient MERV 8 filters along with electronic filters to maintain the PM 2.5 air index level.
- Low pressure drops of filters resulting in lower power consumption hence substantial power savings.
- On demand the units can be custom-made with UVGI or PHIO⁺ specifications or on identical lines.

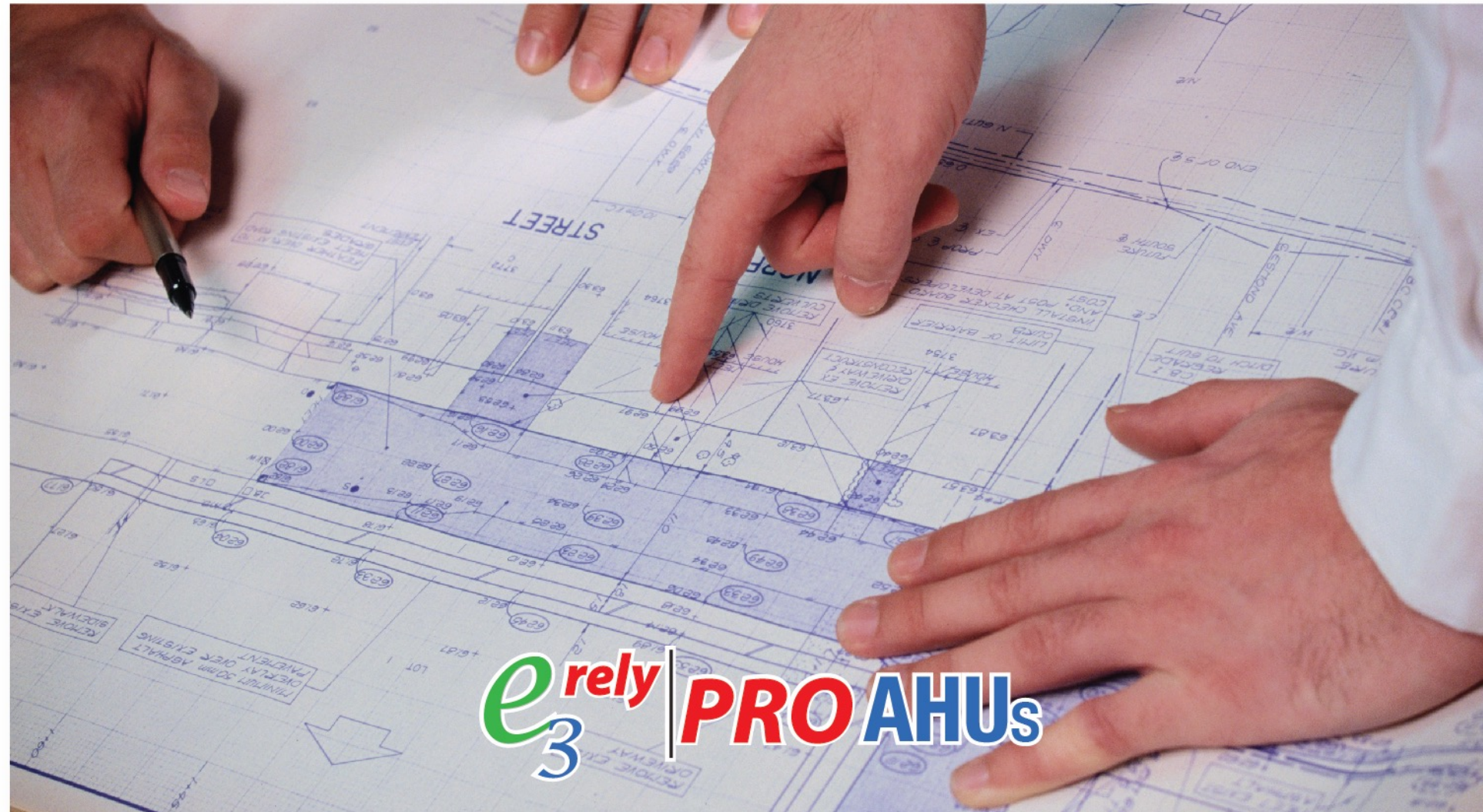
• Unit capacity: 8,000 CFM to 30,000 CFM

• Concealed chilled water piping work

**ACREX AWARD
OF EXCELLENCE**

for outstanding work in the Energy
Saving Products Category - Year 2017





**Edgetech's most reliable and proven range of air handling systems.
Upgraded innovatively each time to current environment and requirements for
wide spectrum of applications across all industries.**

State-of-the-art Air Handling Solutions

Horizontal Type Double Tier
Floor Mounted Unit
Capacity Range: 1,200 CFM to 20,000 CFM



Horizontal Type Floor Mounted Unit
Capacity Range: 1,200 CFM to 40,000 CFM



Vertical Type Double Skin AHU
Capacity Range: 1,200 CFM to 18,000 CFM



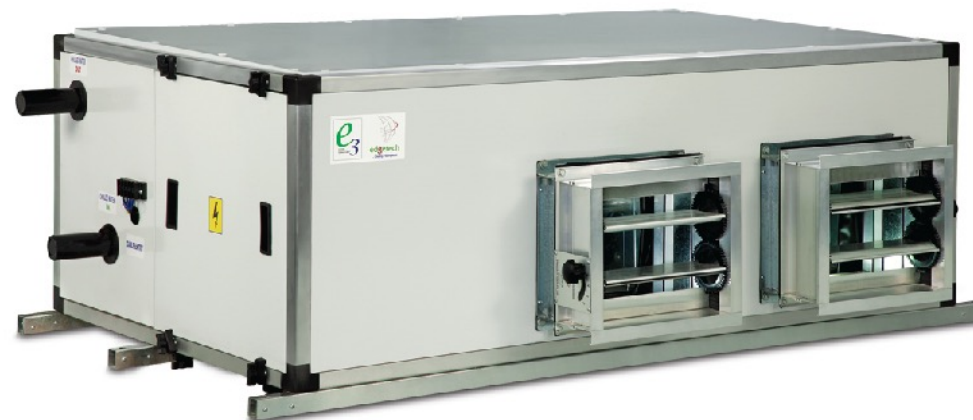
Compact, low height and low noise pro-plus ceiling suspended Air Handling Units to fit any ceiling.

Systems that create pleasing environment by diffusing uniformly the required temperature.



Compact Low Height / Noise Ceiling Suspended AHU

Compact Low height units with low noise levels • Fitted with direct drive high energy efficient EC fans • Capacity Range: 1,200 CFM to 5,000 CFM.



Ceiling Suspended Ductable Unit
(Belt Driven)

Capacity Range: 1,200 CFM to 12,000 CFM



Ceiling Suspended Ductable Unit
(Direct Driven)

Capacity Range: Up to 1,000CFM to 5,000 CFM

State-of-the-art future ready Energy Recovery Units



Energy Recovery Unit (with Heat Wheel)
Capacity Range: 1,200 CFM to 30,000 CFM



Energy Recovery Unit (Cross Flow Type)
Capacity Range: 1,200 CFM to 30,000 CFM



Energy Recovery Unit (with Heat Pipe)
Capacity Range: 1,200 CFM to 30,000 CFM

Dynamic Evaporative Cooling Units Single Stage / Double Stage

Eco-friendly and energy efficient systems for healthier and comfortable cooling.



Evaporative Cooling Unit
Pad Type : Single Stage
Double Stage : Direct & Indirect
Capacity Range: 1,200 CFM to 40,000 CFM



Evaporative Cooling Unit
Spray Type - Single / Double Bank
Capacity Range: 1,200 CFM to 40,000 CFM

Innovative Ventilation Units - Exhaust / Fresh Air



Ventilation Unit Exhaust
Capacity Range: 1,200 CFM to 40,000 CFM



Ventilation Unit - Fresh Air
Capacity Range: 1,200 CFM to 40,000 CFM

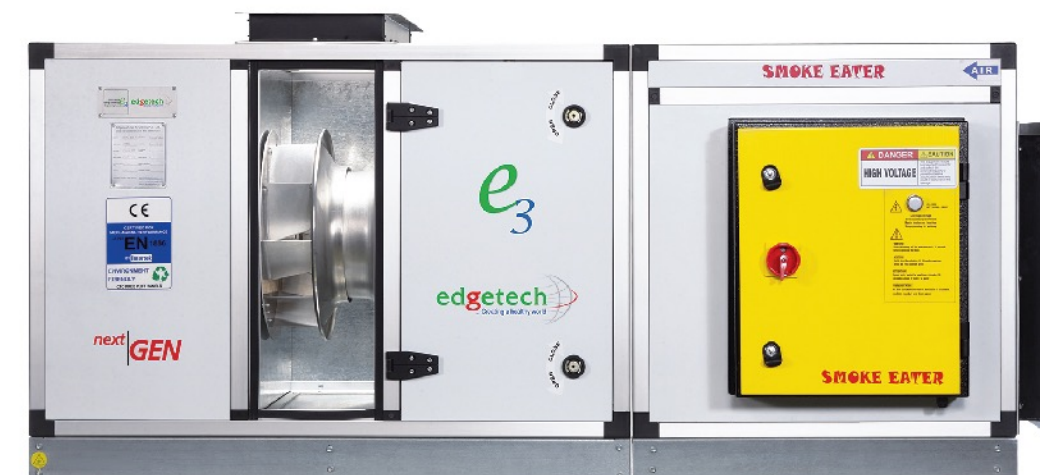
Future Ready Ventilation Systems for Kitchen and Hot Air Streams

Specially designed to exhaust the air in commercial kitchens
or spaces where cooking is carried out regularly.



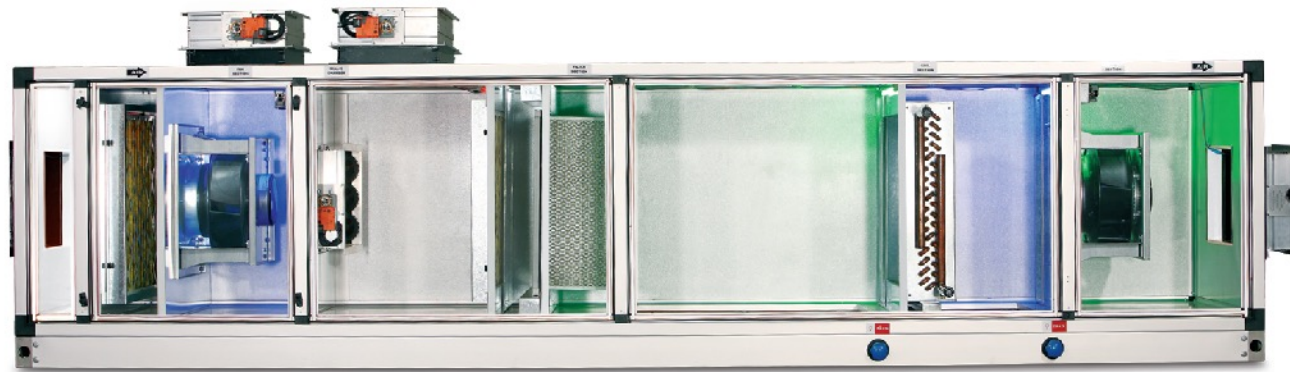
- The systems extract the burned out gases from the kitchen area.

Inside view of the system



Capacity Range: 1,200 CFM to 20,000 CFM.

State-of-the-art innovative and future ready Air Handling Solutions



India's first Electronically Commutated series of AHUs with EC Fans
Capacity Range: Up to 30,000 CFM

ACREX AWARD OF EXCELLENCE
for outstanding work in the Energy Saving Products Category - Year 2011



Air Handling Unit Fan Wall Arrey
Capacity Range: Up to 80,000 CFM

ACREX AWARD OF EXCELLENCE
for outstanding work in the Innovation Category - Year 2014



Raised Floor Air Handling Unit
Capacity Range: Up to 10,000 CFM

Proven and Reliable FCU Range for Every Application

State-of-the-art Edgetech Fan Coil Units are designed to maximize flexibility of selection, ease of installation, optimal space saving, and years of trouble free, low noise operation. Edgetech FCUs are suitable for various applications such as shopping arcades, hotels, offices, hospitals, houses, schools, places of worship, recording studios, etc. The units are designed to ensure minimum ceiling height with easy access to pipe connections, drain & electrical fittings. The rigid construction further ensures vibration free operation. Edgetech FCUs are available following configurations:



Single Skin Fan Coil Unit
Normal Static: 1.0 TR - 5.0 TR
High Static: 1.0 TR - 5.0 TR



Double Skin Fan Coil Unit
Normal Static: 1.0 TR - 5.0 TR
High Static: 1.0 TR - 5.0 TR



Single Skin DC Fan Coil Unit
Capacity: 1.0 TR - 3.0 TR



Chilled Water Cassette
Capacity: 0.75 TR - 3.5 TR



Universal Fan Coil Unit
Capacity: 1.0 TR - 3.0 TR



High Wall Fan Coil Unit
Capacity: 1.0 TR - 2.0 TR



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