



Magneto  
CleanTech

Only Clean Air

**Healthy Air**

A Certified Solution

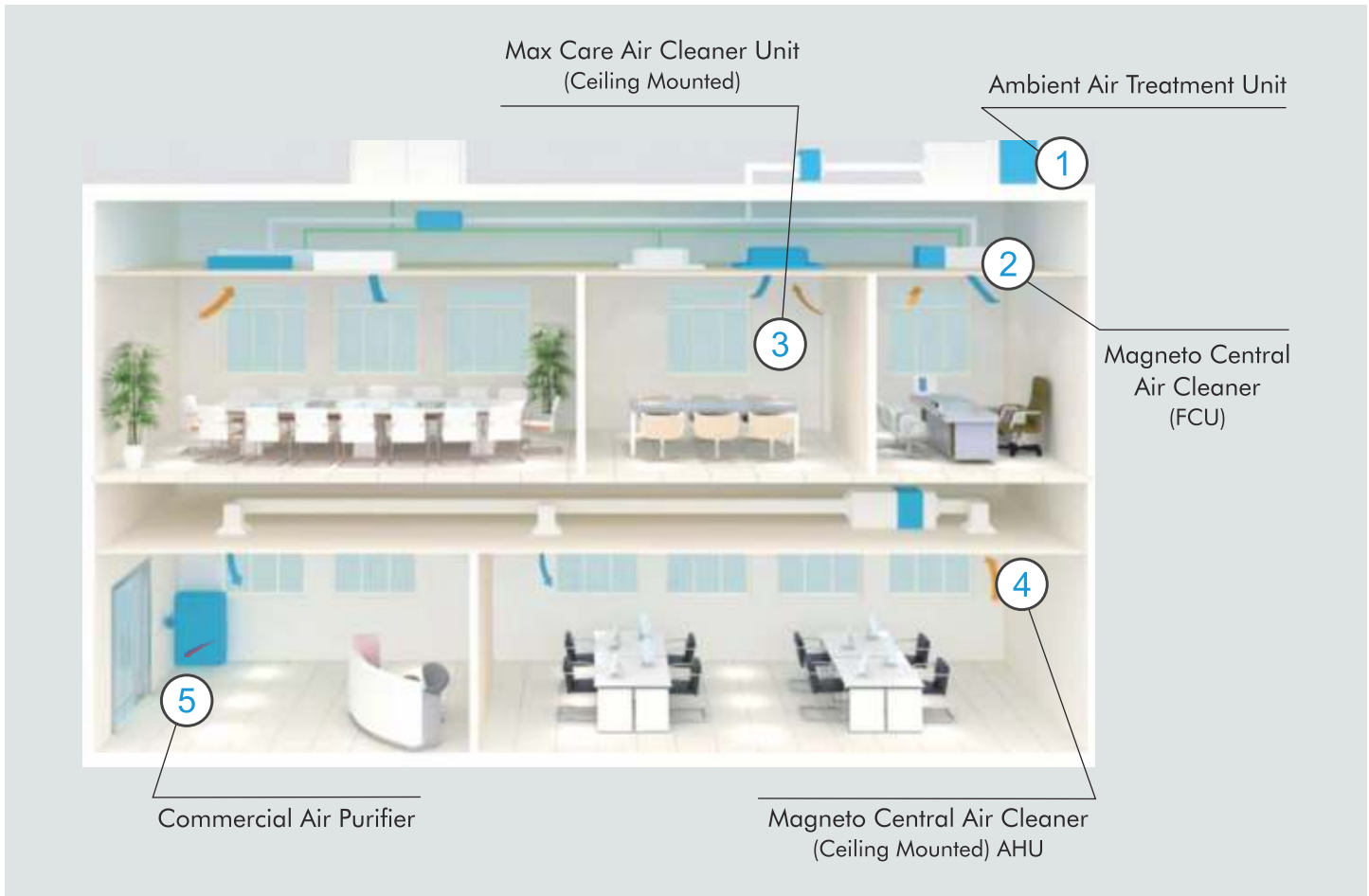
Magneto Central Air Cleaner



# How Magneto's Central Air Cleaner Works



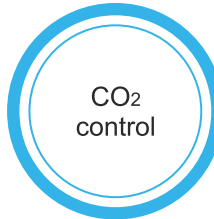
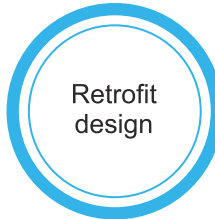
Magneto's Central Air Cleaner is the manifestation of unparalleled air purification performance combined with perfection in engineering design. It centrally purifies the indoor air with remarkable efficiency and absolute discretion. It challenges the status quo of intrusive, noisy air purifiers that cause uneven air purification, have high capital costs and expensive recurring consumables. This advanced multi-stage central air cleaner unit integrates with the HVAC system to eliminate PM 2.5, pollen, bacteria and other pollutants from the entire area. It can even control CO2 without compromising on the fresh air needs of the occupants. This certified healthy air system has been meticulously engineered to protect people and their assets.



**Central air cleaning**  
Overall and concentrated purification



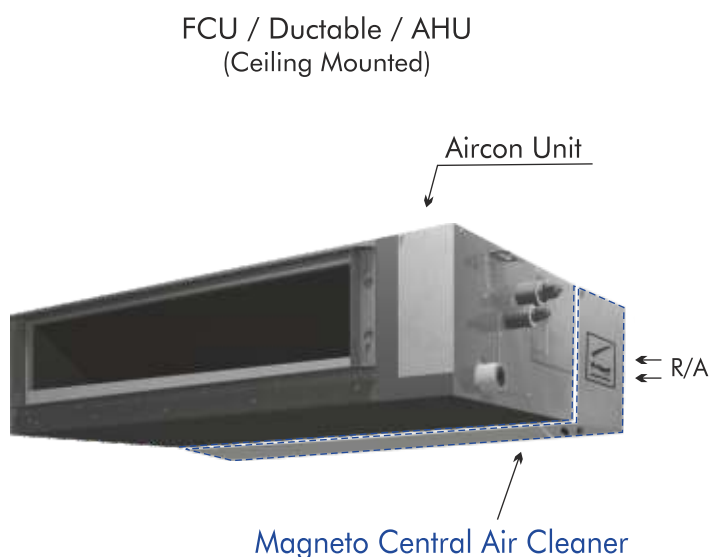
**Standalone air purifiers**  
Partial purification



Air Purification solutions have consistently faced a challenging trade-off between clean air and high energy consumption costs. More efficient particle removal typically demands more fan energy to force the air through a denser filter. Magneto has broken this stalemate by devising a technology that captures the particles more efficiently and still keeps the energy costs low by minimizing pressure drop. Further, the system kills the trapped microorganisms instead of allowing them to proliferate.



## INSTALLATION DIAGRAM



## NO MORE TRADE-OFFS

Air filtration earlier required trade-offs. More efficient particle removal demanded more fan energy to force the air through a denser filter. Magneto has resolved this dilemma by bridging the gap between cleaner air and lower energy technology. We offer highly efficient particle capture mechanisms with radically low airflow resistance. A marvelous benefit that comes along with this technology is its high germicidal effect.

## LOWER COST AND GREATER ENVIRONMENTAL SUSTAINABILITY

The initial pressure drop of MCAC is as low as  $\frac{1}{4}$  th of any other competing product. More importantly, the core filtration technology (e-filter) used in MCAC has a much longer filter life than the best alternatives available in the market.

## PAYBACK IN AS SOON AS TWO YEARS

The impact of Magneto products extends well beyond the energy saving benefits. Fewer filter changes translate into big savings on consumables, lower maintenance costs and a lower carbon footprint.

## RETROFIT DESIGN

It can be fitted in all types of air handling systems, be it old or new, without any modification as it has very low pressure drop. Easy relocation of this Central Air Cleaner system is a huge benefit for tenants or temporary occupants.

## HEALTHY AIR TO YOUR FACILITY

The Central Air Cleaner's industry leading air purification performance provides a comfortable and healthy environment even at massive scales. Extensive real-time testing and several case studies of prominent facilities have established the system's ability to provide a measurable improvement in indoor air quality.

## REDUCES AIRBORNE INFECTION SOURCES

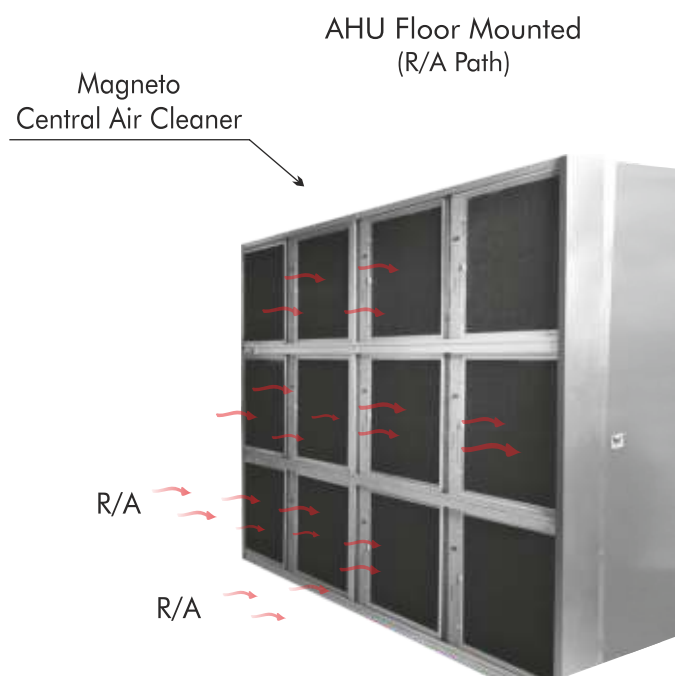
Magneto's MCAC System stops airborne pathogens during transmission. It improves the air quality holistically while directly removing the sources of airborne infection. It is an all-in-one solution that fits comfortably in your operating budget. The result is a substantially healthier building.

## RACK UP THE LEED POINTS

Magneto Central Air Cleaner adheres to IGBC, WELL and LEED standards.

## INNOVATIVE TECHNOLOGY

The system's high filtration efficiency is derived from a combined effect of 3 processes: impingement, polarization and agglomeration. Magneto systems are modular, flexible and easy to install. They can be matched perfectly with your air conditioning system, whether it's an entirely new system or a retrofit to an existing air handler or a fan coil unit.





**Magneto Group**, since its inception in 1980, has been committed to improving human lifestyle, well-being and comfort by offering **innovative products** and reliable services in the fields of **Cooling, Heating, Ventilation and Air Purification**. Our products are created by a mission driven team of researchers and engineers. Our range of products incorporates cutting edge technologies into elegant design.

## Residential



MAP-22



MAP-66



MAP-100

## Commercial



Magneto Central Air Cleaner



Max Care<sup>+</sup>



Upper Room UVGI  
(TB-Killer)

## Industrial



Smoke Buster



MFEAP-50



Ambient  
Air Treatment Unit

# Magneto CleanTech

09582215203 011 26434827/28

cleanair@magneto.in www.magneto.in



Magneto Products are designed to provide the greatest performance considering economic, environment and energy constraints.