

# EPURE<sup>®</sup> FILTER

**HIGHLY  
EFFICIENT  
FILTRATION OF  
FINE PARTICLES  
UP TO  
2.5 MICRONS**



A Carrier Company

# INDOOR AIR QUALITY (IAQ)

Indoor air quality not only focuses on outdoor pollution residuals. Buildings and their occupants also generate significant specific pollution. It is now essential to consider the IAQ aspect in all your construction and renovation projects.

**90%**

**90% OF OUR TIME, IS SPENT INDOORS:**  
WORK, HOME, TRANSPORT.  
Harvard T.H. Chan School of Public Health Homes for Health:  
36 Expert Tips to Make Your Home a Healthier Home report

**x8**

**INDOOR AIR IS UP TO 8 TIMES  
MORE POLLUTED THAN OUTDOOR AIR.**  
According to the World Health Organization (WHO).

## A MAJOR HEALTH ISSUE

**28%**

**OF CVAS** (Cerebrovascular accidents)  
CAUSED BY POLLUTED INDOOR AIR.  
According to the World Health Organization (WHO).

**17%**

**OF CANCERS**  
CAUSED BY POLLUTED INDOOR AIR ACROSS THE WORLD.  
According to the World Health Organization (WHO).

## CIAT COMMITMENT

Among the pollutants found inside buildings, fine particles (PM - Particulate Matter) are major responsible of IAQ-related health problems. IAQ and occupant health therefore rely on controlling fine particles inside a building.

By integrating highly efficient filters into its equipment, **CIAT helps control fine particle concentration**, achieving an indoor air quality as close as possible to the recommended thresholds defined by the World Health Organisation.

## FOR ALL YOUR APPLICATIONS



OFFICES

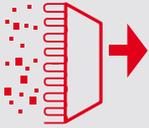


HEALTHCARE



HOTELS





## EPURE FILTER

### A unique design to enhance the Indoor Air Quality

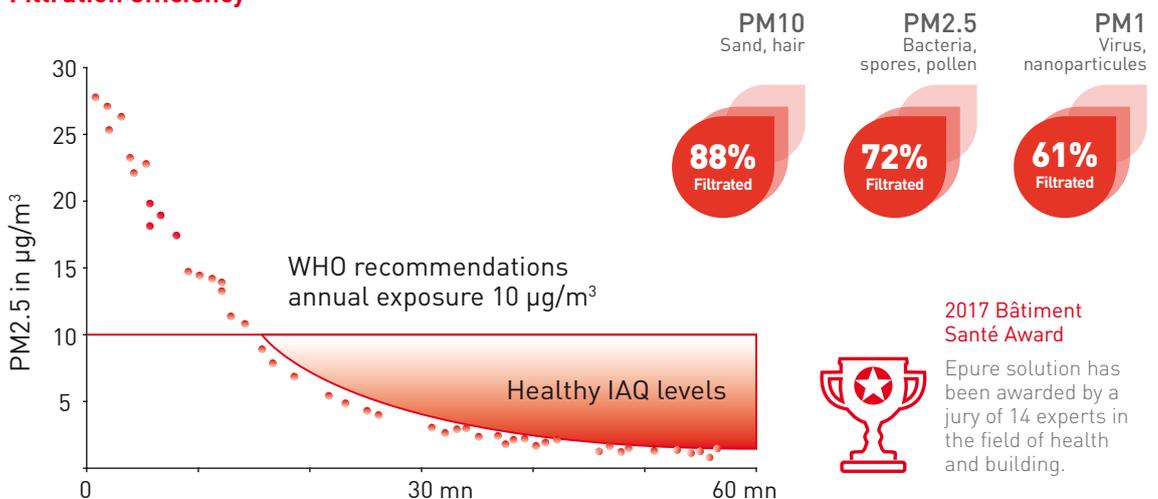
Particle concentration is one of the major public health issues in terms of Indoor Air Quality. As air circulation experts, CIAT developed the Epure filter to provide high filtration efficiency.



Filter ePM10 ≥ 50 % (ISO 16890)

- Special design pleat offering 11 times larger surface than a standard filter. Captures PM2,5 and PM1 particles (1 µm diameter or less).
- High retention capacity and no clogging. The filter has been developed to have the lowest impact possible on the overall ventilation, ensuring efficient airflow with minimal pressure drop.
- Environmentally sustainable construction: made with no glue or solvent, and no polypropylene in its conception. It is 100% incinerable at end of life.
- Simplified maintenance: change 1 time/year, in less than 1 minute, no fiber release. During replacement thanks to its pleated design with thermo-welded side reinforcements, the technician is protected.

### Filtration efficiency



Results of particulate removal in a room equipped with the Hysys® solution with the Epure® Dynamics function.



### 2017 Bâtiment Santé Award

Epure solution has been awarded by a jury of 14 experts in the field of health and building.

### Fits with the all CIAT fan coil range

Epure filter is available to equip Coadis Line 600, Coadis Line 900, Major Line, Comfort Line. Refer to CIAT high efficiency purifying system: Epure® Dynamics.



## OUR BLUEEDGE® SERVICE PLATFORM TO MEET YOUR NEEDS



CIAT's objective is to develop partnerships with you and provide high quality service throughout the life-cycle of your HVAC system. BluEdge services take into account your changing needs and develops smart services and energy solutions that optimise performance and enable savings.

PRESENT IN MORE THAN **50** countries  
More than **80** years OF EXPERIENCE

### #CIAT4life 4 FOUNDATIONAL PILLARS



**Confidence**



**Tailored**



**Advice**



**Efficiency**



[www.ciat.com](http://www.ciat.com)