

CellFlow

Ind8500 Ceiling SC



CellFlow air cleaners from LightAir represent the very best in air cleaning technology. They might not look like a normal air cleaner and they certainly don't work like a normal air cleaner.

The **CellFlow** range relies on the **EcoPrecision™** filter. This is an electrostatic filter that can be easily cleaned. Several of the range have a self cleaning or semi self cleaning mechanism.

- Very quiet
- Very high filtration efficiency, equivalent of H14 HEPA
- Very low energy consumption
- Very low running costs
- Effective filtration of viruses, bacteria and mould spores
- Effective filtration of soot, smoke, pollen and other particulates
- Excellent performance against PM10, PM2.5 and PM0.1

		CellFlow Ind8500 Ceiling SC
Air flow capacity	(m3/hr)	8500
Energy consumption	(watts)	25 - 200
Efficiency rate	(m3/hr per watt)	43
Noise	(dB(A))	21 - 58
Dimensions	(cm)	135 x 95 x 60
Weight	(kg)	62
Mounting		Ceiling hung
Construction materials		MDF/plastic/aluminium
Colour		Gray
Power supply		230v/50Hz/1Ph
High density ioniser		yes
Prefilter		Open cell foam type
Main Filter type		cleanable electrostatic spiral
Main Filter		EcoPrecision™ long life filter made from recycled paper
Degree of filtration **		H14 level. PM0.1 99.99%
Filter cleaning		Self cleaning
CCM capacity over time ***		Top rating P4
Typical filter life		24 months
Fan		Brushless AC-motor with Hyblade® technology from ebmpapst GmbH
Controls		On board
Fan Speeds		1
Standards		CE, UKCA

Notes

** CellFlow technology is certified by inerteck Group according to standard ANSI/AHAM AC-1-2015

*** Industry leading 98% remaining CADR, tested according to ind Std GB/T18801-2015. CCM acronym for Cumulative Clean Mass



Get In Touch

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CellFlow is the industry leading filtration technology that is utilised in the range of air cleaners from LightAir.

At the core of every **CellFlow** air cleaner from LightAir is an **EcoPrecision™** filter which is a precisely wound spiral of recyclable paper that is charged to attract the oppositely charged microscopic particles carried by the airflow.

The **EcoPrecision™** filter presents virtually no resistance to the passing air. This means that the fan is not only quiet but it uses very little energy.

The remarkably frugal energy consumption of fan is the main reason why the **CellFlow** air cleaners have incredibly low Life Cycle Cost (LCC).

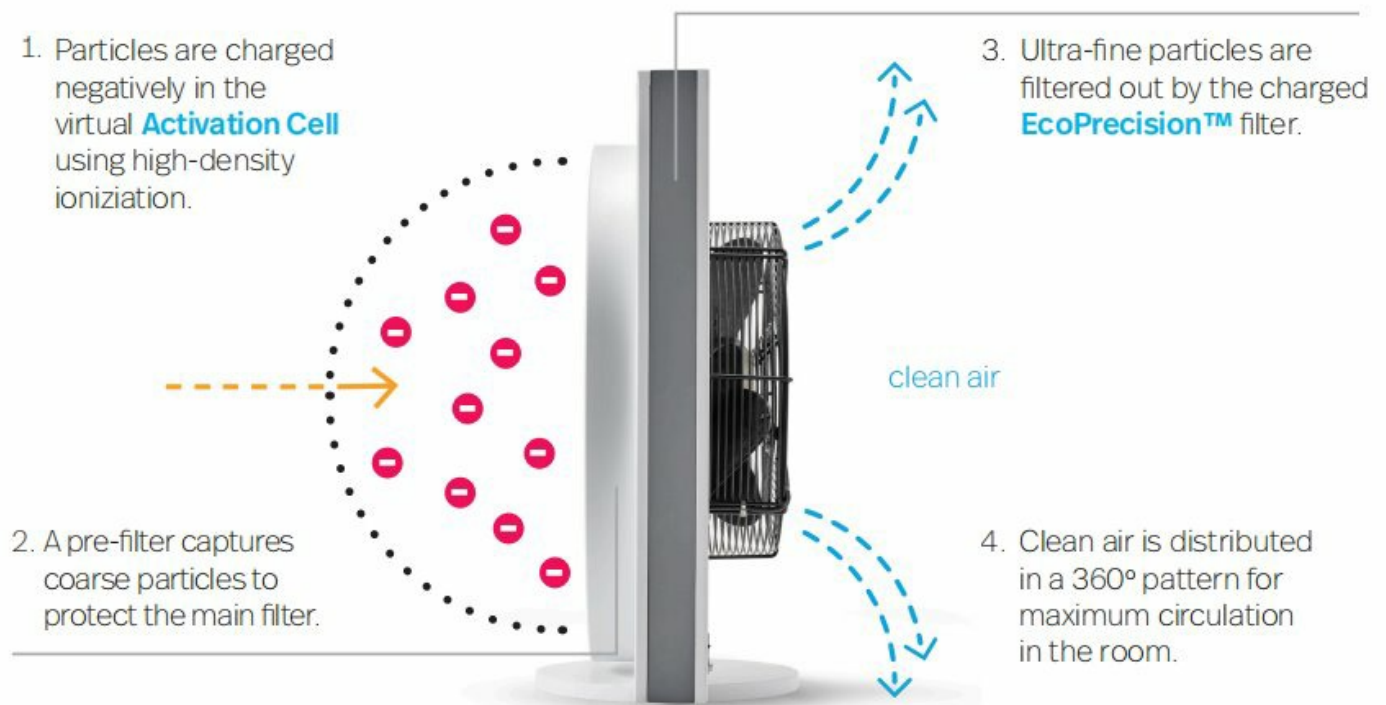
H14 HEPA equivalent filtration of;

- Microbes (Bacteria, Viruses, Spores)
- Fugitive dust from industry
- Smoke
- Pollen
- Transport pollutants
- Ultra fine dust
- Soot particles

CellFlow technology ensures;

- Staff safety
- Production processes reliability
- Product cleanliness **and low running costs.**

The principles of the patented CellFlow technology



Self Cleaning SC

CellFlow models with self cleaning will automatically clean the **EcoPrecision™** filter. The removed dust is collected into a vacuum bag. The vacuum bag is changed as part of periodic maintenance of the unit.

Semi Self Cleaning SCS

CellFlow models with semi self cleaning have the cleaning mechanism but do not have the on board vacuum system, so the unit would instead be cleaned by connection to a conventional vacuum cleaner.

These cleaning mechanisms reduce the frequency of filter changes and contribute to the ultra low Life Cycle Costs associated with the **CellFlow** range.



Watch video on how **CellFlow** technology



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