i-team®

i-teamglobal.com

i-air PRO

Your well-being is in the air

faster cleaner greener safer better

i-air PRO

We spend an average of 90% of our time indoors. In the buildings that we work and cook, clean, shower and sleep, the air quality is 5 to 10 times worse than outdoors. We get exposed to hundreds of different contaminants daily! And that influences our health, well-being and productivity. To improve our living conditions and health, we need to breathe clean and healthy air. That's why we designed the i-air PRO: a high capacity air healer that improves indoor air quality in medium to large spaces of up to 500m^2.

Faster
High air volume output delivers clean air to large spaces, much faster than any competitive product

Cleaner
FS-ACT technology is the only technology which targets all three kinds of air contaminants. We deliver purified air based on a unique combination of filter technology
and a neutralizing chamber.

Greener
Low power consumption and use of a long lifespan filters, reduces waste. The i-air significantly reduces airborne VOC's and other contaminants

Safer
The unbeatable MERV19 level protects building occupants from exposure to all dangerous types of contaminants.

...and better for everyone!
Improved air quality leads to higher productivity not to mention health and well-being benefits for its occupants.

Invisible contaminations build up in the spaces we live in.

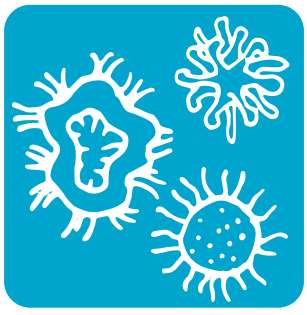
Spending time indoors, exposes us to hundreds of different contaminants in three categories

Particulate matter (PM)

99% is invisible to the naked eye. Commonly known as PM2.5 or PM10, it is a complex mixture of solid and liquid particles suspended in the air. Particles smaller than 10microns are especially hazardous. General sources of PM pollutants are heavy industrial pollution, vehicle exhaust fumes and everyday products and materials

Volatile Organic Compounds (VOC)

A very complex group of gaseous contaminants emitted from solids and liquids. General sources of VOCs are a wide range of regularly used products such as; paints, cleaning detergents, building materials, cosmetic products, pesticides, and many, many more.



Microbiological contamination

These are mainly bacteria, viruses, moulds, but also from animal dander and saliva.

Sources are numerous such as; waste containers, pets, HVAC systems, kitchens, hazardous microbes in hospitals etc...

The impact of indoor air contamination on our health

All indoor air contamination has a highly negative impact on our health with many short and long-term effects. Different contaminants can impact our bodies in different ways.

Brain
Cognitive functions, creativity, headaches and migraines, memory impairments...

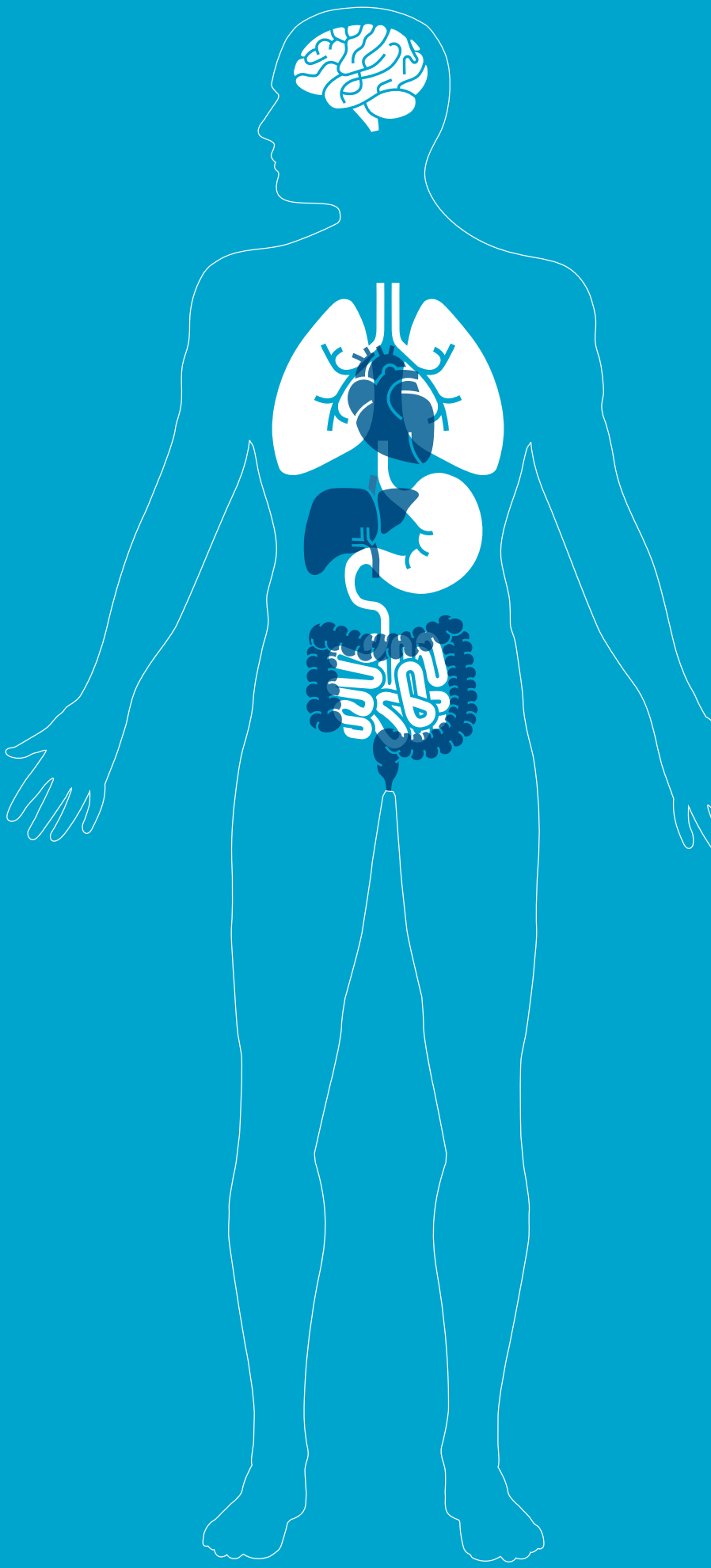
Heart
Arrythmia, increased risk of heart attacks, strokes, chronic heart disfunctions...

Lungs
asthma, respiratory tract irritations, dyspnoea, lung cancer...

Liver
Chronic liver disfunctions

Kidneys
Glomerulonephritis, general damage and disfunction...

Other
Eyes, nose and skin irritation, emesis, fatigue, dizziness, allergies...



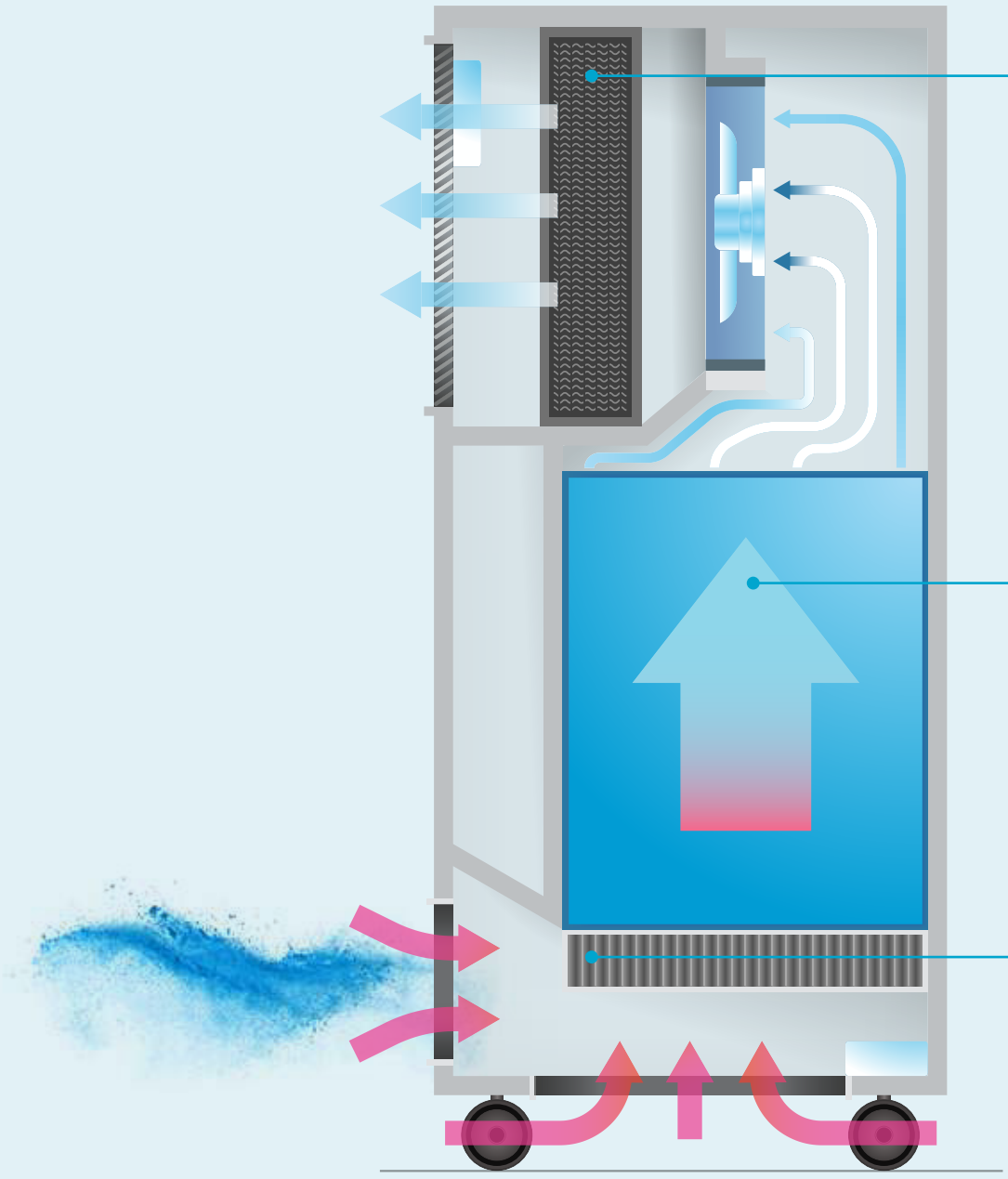
The **i-air** PRO improves indoor air quality by filtering out the solid contaminants, breaking down all VOC's and neutralising all living harmful microbes.

Our Patent Pending technology is highly effective with a proved record at leading universities, including University of Colorado (boulder, USA) and Tsinghua University (Beijing, China)

Made in Europe in cooperation with the best experts in air purification from:

- MIT (Boston, USA)
- PCO experts from Pureti Group (USA)
- Engineers and experts in electronics, air filtration and other fields.

How it works



High grade (H14) HEPA filter collects even the smallest particles, ≥0,2µ. It also collects the residue of the neutralised microbes.

Filtration rate ≥99,999%

This is the core of our system with its unique functions. Chamber is self-cleaning. It breaks down all VOCs and neutralises all microbes.

High neutralisation rate:
≥99,9999% of microbes
≥95-97% VOC's

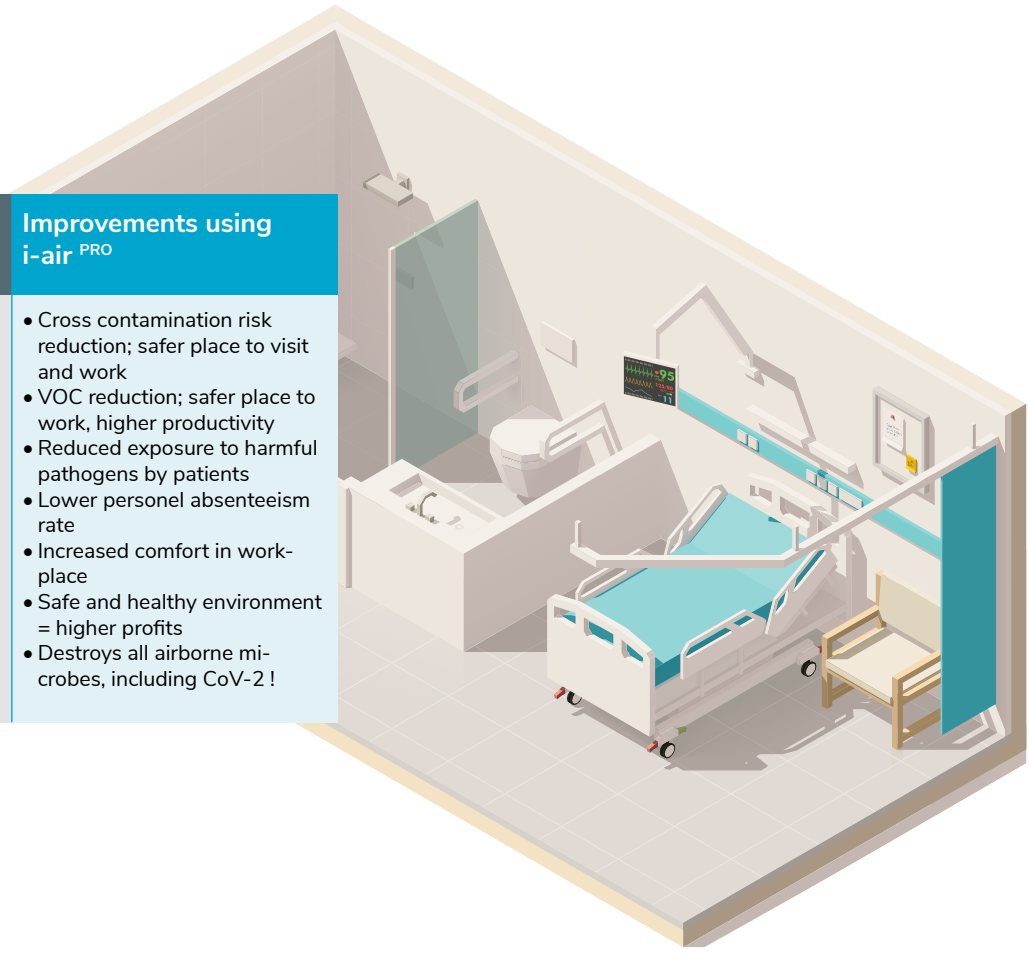
Pre-filter with active carbon. Blocks all heavy dust and dirt and absorbs some of the odours.

Take action to improve the indoor air quality in your facility

The unique i-air PRO is the only stand alone unit on the market that delivers MERV19 class air to medium to large spaces in all segments. Suitable for use in Fitness clubs and sport venues, office spaces, hospitals and clinics, education facilities, hotels and restaurants. The i-air PRO delivers the best air you can breathe indoors.

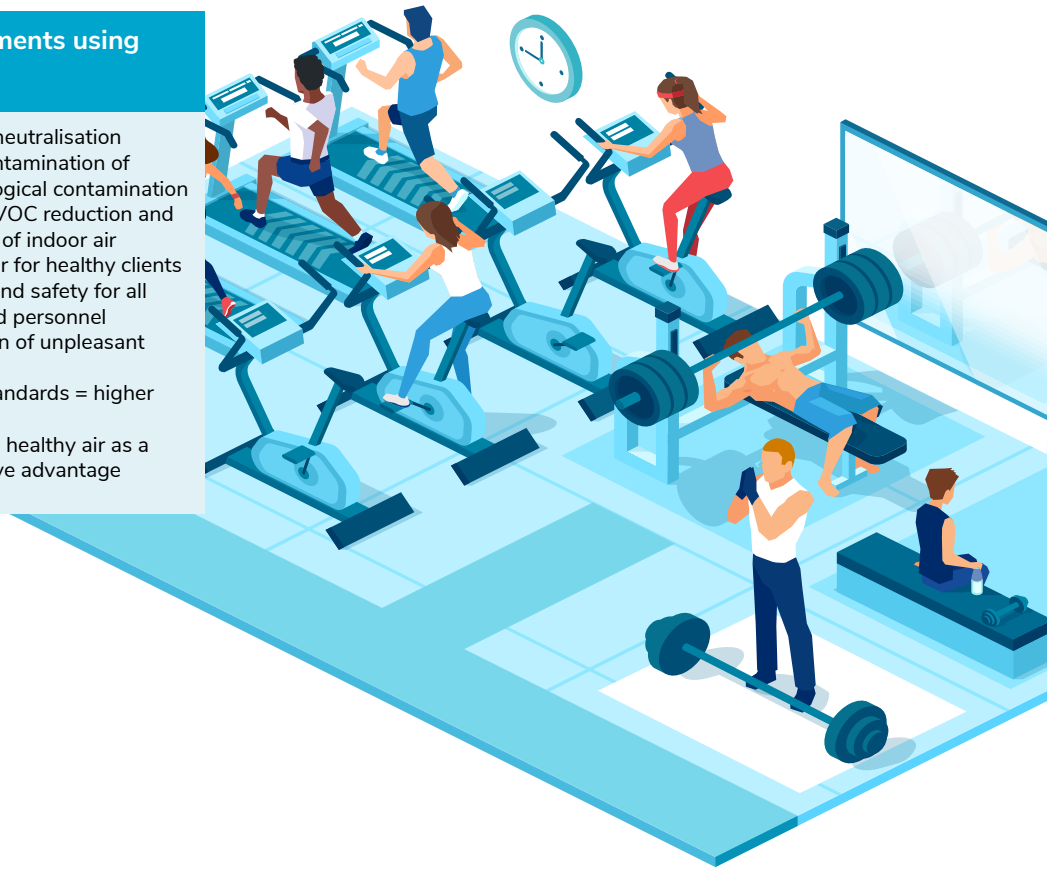
Hospitals and clinics

Indoor air quality challenges	Improvements using i-air PRO
• High number of patients, with health issues in small waiting areas • Patients as a source of harmful pathogens, high concentration, high risk of cross contamination • High VOC level due to use of cleaning and disinfection chemicals • Dangerous working place for personnel due to high air contamination	• Cross contamination risk reduction; safer place to visit and work • VOC reduction; safer place to work, higher productivity • Reduced exposure to harmful pathogens by patients • Lower personel absenteeism rate • Increased comfort in work-place • Safe and healthy environment = higher profits • Destroys all airborne mi-crobes, including CoV-2 !



Fitness Clubs and sport venues

Indoor air quality challenges	Improvements using i-air PRO
• Large number of clients in relatively small spaces at the same time • High level of microbiological contamination: clients breathe out excessive “dirty” air and sweat decomposes • High VOC level, due to use of chemicals and sanitisers • Typical fitness club smell • Clients expect high standards	• Effective neutralisation and decontamination of microbiological contamination • Effective VOC reduction and ionisation of indoor air • Healthy air for healthy clients • Comfort and safety for all clients and personnel • Elimination of unpleasant smells • Higher standards = higher profits • Clean and healthy air as a competitive advantage



Office rooms and open spaces

Indoor air quality challenges	Improvements using i-air PRO
• Long hours spent indoors, in closed spaces by people • Contamination brought in from outside • People are a source of harmful pathogens • VOC contamination caused by cleaning chemicals, air fresheners etc. • Additional contamination/dust created by office equipment • High absenteeism rate due to bad IAQ • Low efficiency and productivity due to poor IAQ	• Clean and healthy air resulting in more satisfied people • Higher efficiency and productivity • Lower absenteeism rate • Higher office building rating due to healthy air (Merv19) • Clean and healthy indoor air is an important WELL certification requirement • Elimination of unpleasant odours • Clean air as market competitive advantage

Education; schools, universities, kindergartens

Indoor air quality challenges	Improvements using i-air PRO
• Large number of young people in relatively small rooms for long periods of time, resulting in high concentration of different contaminants. Exposure risk to all • Lower hygienic awareness of children and young people resulting in higher air contamination • High contamination level affects cognitive functions, creativity: reduction in education progress • High VOC level due to cleaning chemicals • Old buildings with low quality ventilation, resulting in additional contamination	• Clean and healthy air results in fewer infections and lower absenteeism of students • Less allergens in the air results in fewer allergy reactions • Low VOC level results in higher cognitive functions and more creativity: better education results • Clean and healthy air means safer and more comfortable working environment for teachers • Clean and healthy air reassures parents: safer place for their children • Clean air is a must in our 21st century education systems

Hotels and restaurants

Indoor air quality challenges	Improvements using i-air PRO
• Longer bookings and higher number of guests results in increased air contamination: discomfort for visitors • High contamination level due to cleaning chemicals, kitchen fumes and other agents • Dangerous VOC levels due to frequently used air fresheners • Increased risk of microbiological contamination in places people spend more time indoors	• Clean and healthy indoor air has the market advantage • Higher customer comfort results in increased customer satisfaction • Healthy air in restaurants attracts more customers • Cross contamination risk reduction • Safer and better working place • Reduction of unpleasant odours • Clean and healthy indoor air is an important WELL certification requirement

Technical specifications

Power requirement	110/230V 50/60Hz
Energy Consupmtion	Low 203W, Medium 210W, High 236W, Max 250W
Dimensions	1273x684x334 mm
Weight	72kg
Fan motor	DC 12V, long lifespan, non-stop use OK
Control Panel	20 character, 4-line LCD display encoder
Air output (Low-Max)	200-600m3/h
Housing material	Metal
Noise Level, 4 fan speeds	Low 32dB, Medium 52dB, High 56 db, Max 61dB
EN 1822 filter classification	HEPA E12 ≥99,967% EPA E12 ≥99,900%
Main HEPA filter life	Up to 24 months, with 24/7 operation, depends on PM contamination level
PM particle filtration at ≥0,2µ (H14)	≥99,999%
VOC reduction (TVOC)	≥95-97%
Microbiological contamination reduction level	≥99,9999%
Output air quality, Merv standard	Merv 19
Recommended room size	250-500m^2, depending on air contamination level
Max room size	Up to 500m^2
Neutralization chamber	Self-cleaning, long life, maintenance free 48 months (standard working mode, no boost function used)
Display languages	English
Fan speed settings	4
Control via local LAN	Yes, dedicated website
UV lamps life status	Real Time control
Working modes	Manual/Automatic
Dust level, output air	Yes, LCD display
VOC level, output air	Yes, LCD display
Boost function	Extra neutralization power, highest VOC and microbes reduction level
Electrical safety	CE, EMC certification

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