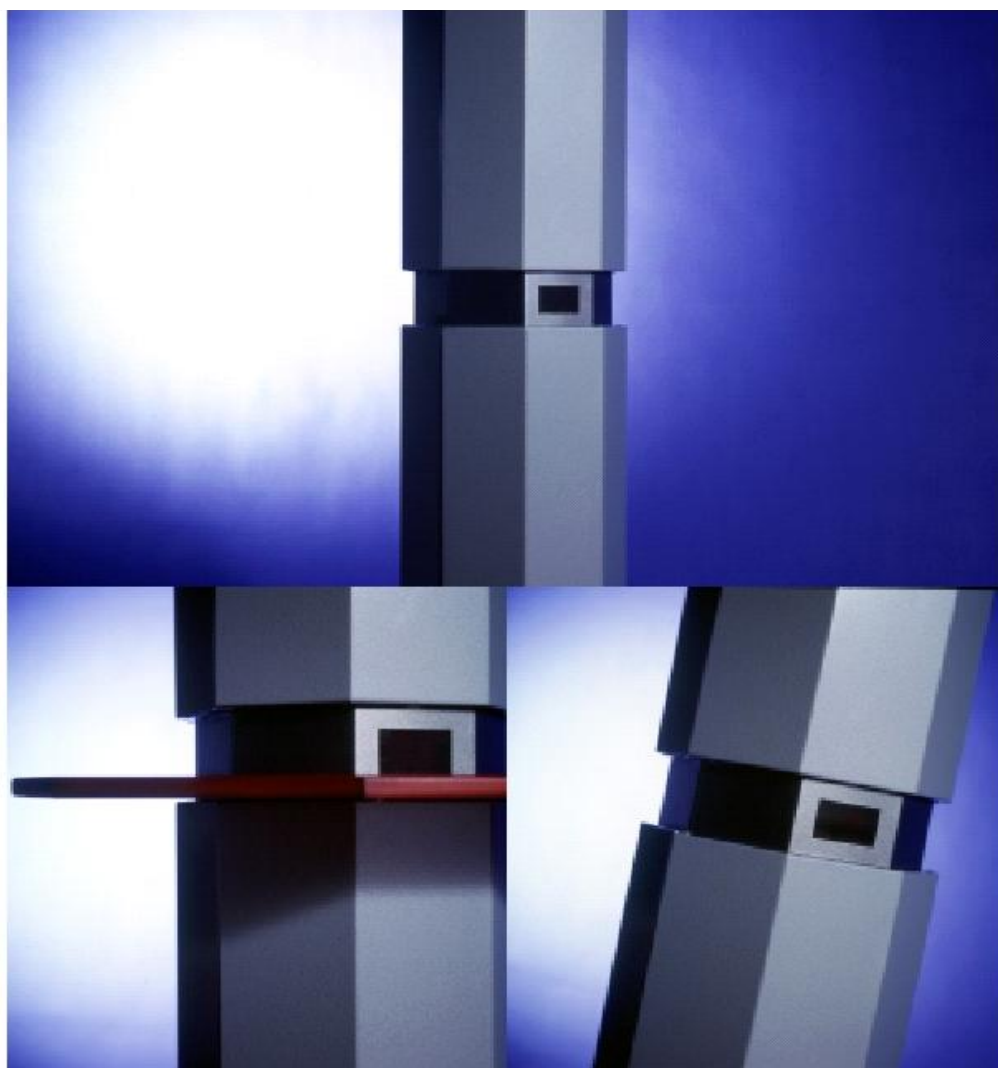


Air cleaning appliance for Hospital

PelaRen



About Us

Environmental Air of Sweden, EAS, founded in 1982, is today a leading developer of Highly Efficient Air Cleaning systems. Specializing in high efficiency filters and bipolar Ionisation technology, our system eliminates all kinds of particles (emission of solutions & dust, hair and scurf etc.), cigarette smoke, bacteria, organic gas (formaldehyde, benzene etc.) and reduces/eliminates bad smell.

Ever since the start over 20 years ago our products have served our customers ranging from restaurants, bar and entertainment centre; schools, offices and manufactories; and recently also a growing number of hospitals and hospitals operation rooms.

In both Sweden and in China, EAS is proud to assist many of the regions most advanced organizations and companies with advanced and environmental clean air solutions since the entry in Sweden 1982 and in China 2002.

PelaRen

As the Swedish air cleaner, PelaRen apply to such places as the hospital, clinic, school, kindergarten, etc. It not only can purify tiny particle and poisonous gas in the air that is going through the air cleaner, it can also purify other parts of a room effectively, that is to say that the air that has not been filtered through the air cleaner, still will be purified. This kind of new technology is called -- BIPOLAR IONISATION. The result of the bipolar ionised air is an environmental reduction of different types of particle, smell and bacteria, therefore the PelaRen is effectively reducing the infection rate, raising the quality of treatment, nursing, protect doctors and medical personnel, relatives and the patient's health. Because the leading technology among the competitors, today the testing result and approval from **SFDA P.R.CHINA, Registration Certificate**



for Medical Device--Reg. No.: SFDA (I) 20052543243, proves that PelaRen air cleaning appliance has reached the standard of operation room at **10,000 level**, due to most advanced and high-efficient air cleaning system for the purpose in the air purifying field.



Technological principle and characteristic of PelaRen

PelaRen combines most advanced cleaning technologies: high efficient HEPA filter technology, the carbon filter technology and bipolar ionization technology. Through the high efficient HEPA filter (EU13) and bipolar ionization technology, the test by SFDA confirmed that PelaRen cleaned the small particle down to 0.3um (micron) up to 99%, and the bacteria sum can be eliminated to equal & less than 1group that is the 100 clean room level (i.e. bacteria<1 after cleaning 30 minutes at about 30m³ space.) The strong fan capacity can keep enough air flow/ventilation in order to reach the clean level 10,000. With bipolar ionization even the smallest particles, due to electrical changes, attracts each other, gets larger and fall down to the floor. The same process as in the atmosphere, the polluted particle in the air reduces rapidly and the clean air comes as a result.





Advantages of PelaRen

Compared with other existing air cleaning/purifying products, PelaRen has its special important advantages as follows:

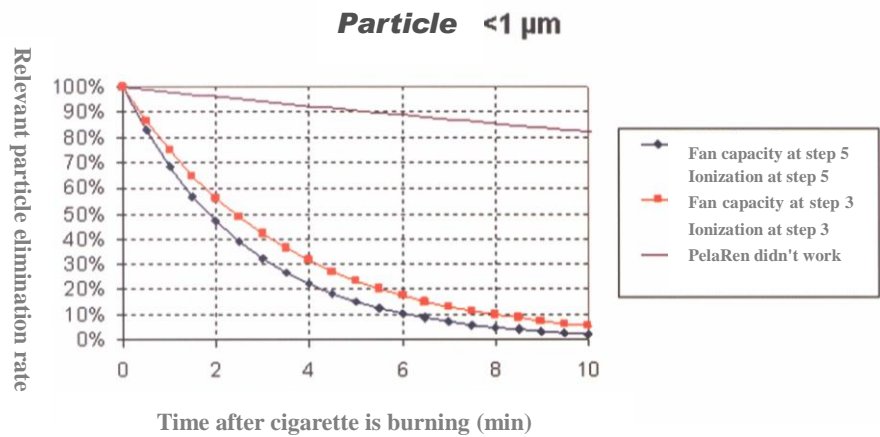
- ✓ Less expensive than similar efficient products
- ✓ Easy installation done within 30 minutes, no reconstruction of operation room necessary
- ✓ Convenient application controlled by remote controller
- ✓ Removable, compared with the build-in machine in few minutes it can be moved to other operating rooms
- ✓ High "time" efficiency when renovating-operation room, no need for closing the operation room for several weeks during installation due to construction work
- ✓ Less cost equal to the higher profit and customer satisfaction



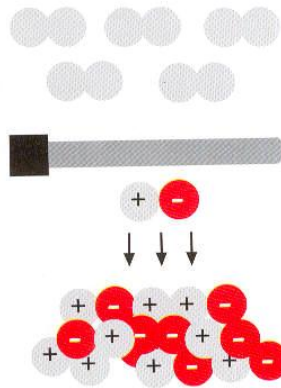
An unique air-cleaning appliance that cleans the air in four steps:

- ✓ The polluted air is drawn into the machine and the particles is heavily reduced through the basic filter.
- ✓ The air pass through a HEPA filter (EU13) that filtrates the particles down to 0.3um up to 99.987%.
- ✓ Passes further through a battery of carbon filters that efficiently filtrates the gases.
- ✓ The now purified air is enriched by bipolarized ions that starts the air purifying out in the room.

PelaRen Particle Reduction Diagram



The diagram shows how bipolar ionization reduces particles bacteria and gases in a room. Blue line shows that both fan capacity and ionization at step 5 and red line shows that both fan capacity and ionization at step 3 while PelaRen worked for 10 minute. The purple line shows the result that PelaRen didn't work.



Bipolar ionization

PelaRen Technical Data

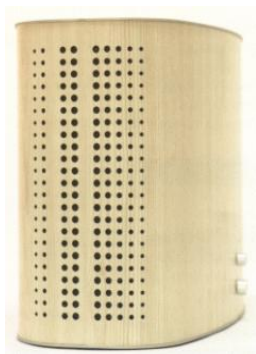
Model	PelaRen
Commendatory ground space (After PelaRen works 45minute)	≤30m ³ (10,000level hospital) 250 m ³ (general PR)
Cleaning effect	99.87%
Cleaning ability	150-700m ³ /hour
Sound level	30-60db(A)
Ventilated times/hour	≥15 times (space≤30m ³)
Cleanliness standard	10,000 level
Power	<250W

Product Registration Standard: YZB/SWE 1900-2005

《PelaRen Air-cleaning Appliance for Hospital》

REG. NO: SFDA (I) 20052543243

EAS Other High Efficient Products



OxyAir

Recommended space: 150m³-250m³
Cleaning ability: 400m³/h
Sound level: <50 db (A)
Power: <100w
Dimension: 554 x 354 x 410 mm



OxyEstate

Recommended space: 50m³-70m³
Cleaning ability: 250m³/h
Sound level: <45 db (A)
Power: <200w
Dimension: 380 x 360 x 350 mm



OxySan

Recommended space: 250m³
Cleaning ability: 400m³/h
Sound level: <50db (A)
Power: 90w
Dimension: 575 x 310 x 355 mm



OxyClean

Recommended space: 25m³-600m³
(depending on the service location)
Cleaning ability: 150m³/h
Sound level: <30 db (A)
Dimension: 510 x 260 x 158 mm



PelaRen

Recommended space: 75m³-500m³
Cleaning ability: 250-1400m³/h
Sound level: <60 db (A)
Power: <200w
Dimension: 2200 x 500 x 500 mm
(2340 x 350 x 350 mm)



OxyVent

Air cleaning system built into the central
air conditioning system
Sound level: <30 db(A)
Dimension: 250 x 180 x 105mm

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