



**WEILI-FAN Enterprise Ltd.**

# Negative ion Energy Saving Fan



**Improve Efficiency, Energy Saving and New Way for Ceiling Fans**



**Energy Saving Fan**

© Copyright 2014 Weili-Fan Enterprise Co., Ltd  
All Right Reserved



# Particles in the air invisible killer



## Particles in the Air

- Easy to drift to the eyes and respiratory tract, causing eye irritation, sneezing and related allergies





## Media centre

# Indoor air pollution and health

- Media centre
- Fact sheet N°292
- September 2011
- News
- Events

- Fact sheets**
- Multimedia
- Contacts

### Key facts

- Around 3 billion people cook and heat their homes using open fires and leaky stoves burning biomass (wood, animal dung and crop waste) and coal.
- Nearly 2 million people die prematurely from illness attributable to indoor air pollution from household solid fuel use.
- Nearly 50% of pneumonia deaths among children under five are due to particulate matter inhaled from indoor air pollution.
- More than 1 million people a year die from chronic obstructive respiratory disease (COPD) that develop due to exposure to such indoor air pollution.
- Both women and men exposed to heavy indoor smoke are 2-3 times more likely to develop COPD.

### Indoor air pollution and household energy: the forgotten 3 billion

Around 3 billion people still cook and heat their homes using solid fuels in open fires and leaky stoves. About 2.7 billion burn biomass (wood, animal dung, crop waste) and a further 0.4 billion use coal. Most are poor, and live in developing countries.

Share Print

#### For more information contact:

WHO Media centre  
Telephone: +41 22 791 2222  
E-mail: [mediainquiries@who.int](mailto:mediainquiries@who.int)

#### Related links

- [WHO indoor air pollution activities and publications](#)
- [Fuel for life: household energy and health](#)
- [Lives-Saved tool \(LiST\)](#)
- [Health in the green economy](#)
- [Global Alliance for Clean Cookstoves](#)

# Healthy life's vitamins of the air.

- Efficient anions generator sends a high concentration of negative ions,
- Rapid sedimentation of suspended particles in the air and allergens, And neutralize positive avoid oxidation,
- The use of energy-saving fan sent to all corners,
- Let's like being in a forest waterfall.



**Anion** Provide Clean Air

**SGS test Report**  
Anion quantity more than 1236,000(ions/cc)



Energy Saving Fan

© Copyri



# Professional for Clean Air

## Improve air quality

Since the air pollutants such as dust, plant, exhaust gas discharged from an automobile, viruses, bacteria and other biological suspension mostly positive ion with a positive charge, the negatively charged air ions, and may become non-charged and after being settlement, to achieve clean air goals.

## Non-Toxic free radicals

Oxygen free radicals have adverse effects on human health and many chronic, it will not only cause cell aging and damage proteins, nucleic acids and carbohydrates, and recent medical reports also pointed produce oxygen radicals suppress immune function, accelerated atherosclerosis and may be carcinogenic.



## SGS test data

Anion quantity more than

**1236,000(ions/cc)**

Weili-Fan Enterprise Co., Ltd  
Right Reserved

# How Negative Ions Purify the Air ?

- All particles in the air have a positive charge, while negative ions have a negative charge. In which case, negative ions and particles magnetically attract to one another.
- When there is a high enough concentration of negative ions in the air, they will attract to floating particles in large numbers. This causes the particle to become too heavy to remain airborne, as a result, the particle will fall out of the air, preventing it from being inhaled into the respiratory tract where it can trigger breathing and health problems.
- The ionized particle will then be collected by normal cleaning activities, such as vacuuming or dusting. If the particle happens to be kicked back up into the air again, it will be ionized, and quickly settled out of the air once again.
- Negative ions are nature's most powerful air-cleansing agents. There is nothing in the world more effective in taking allergens and contaminants out of the air we breathe.
- The U.S. Food & Drug Administration (FDA) has approved Negative Ions as an allergy treatment.



# Anion comparison of suspended particulate removal

表 4.8 實驗對照組之 PM2 時間變化趨勢

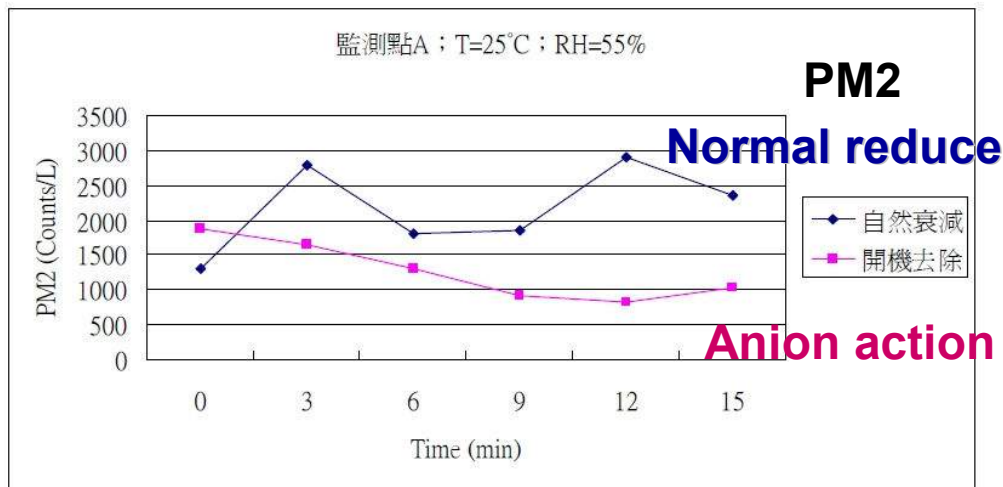
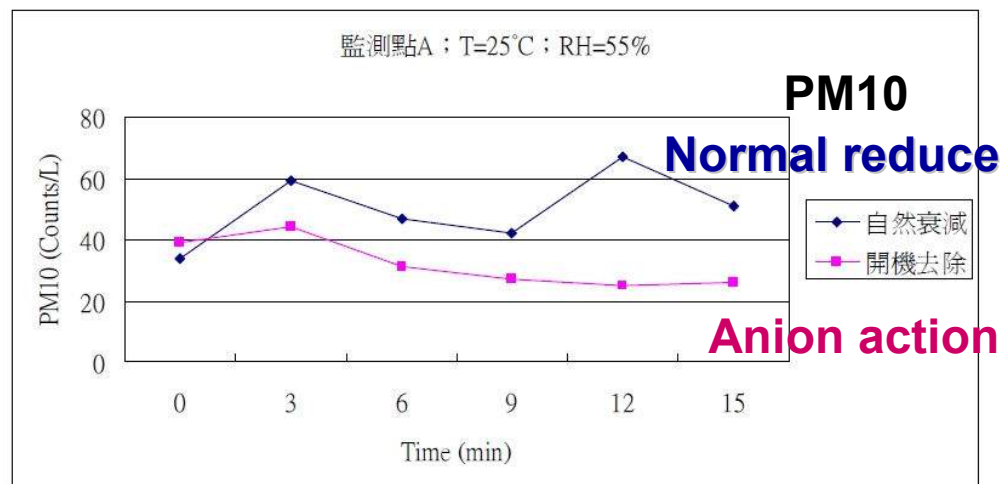


表 4.9 實驗對照組之 PM10 時間變化趨勢



Anion can effectively reduce indoor suspended particles,

Especially fine dust effect (PM2.5) is more significant

Source: National Taipei University of Technology

# Effectiveness of Negative ions

In a sealed transparent chamber, can be precipitated suspended particles in 30 seconds

Before



After



Video link : <http://youtu.be/79PUX5cK0ME>



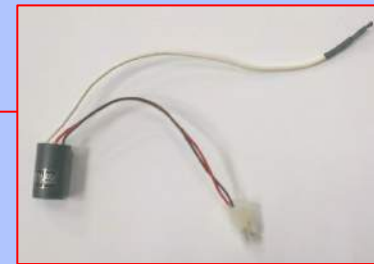
## • Concentration of Negative Ions in Different Environments

Environment Concentration per cubic centimeter

1. Waterfalls 95,000 - 450,000
2. Mountains, seashores, forest 50,000 - 100,000
3. Breezy country meadow 5,000 - 50,000
4. Cities 100 - 2,000
5. Rooms and offices 40 - 100
6. Rooms with Air Conditioner 0 - 20

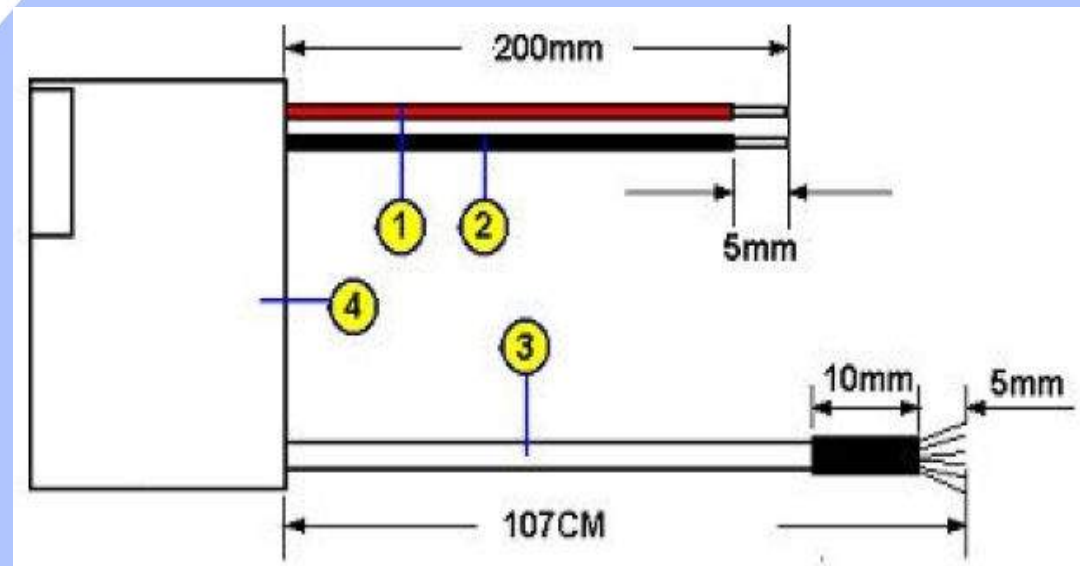
### **Willie Negative ion Generator SGS test data**

Anion quantity more than **1236,000(ions/cc)**



# Willie Negative ion Generator

- Using the new technology
- The highest concentration of negative ions
- Does not produce harmful ozone





Pure Air



Purify Air  
Health Life



Total  
Solutions





# Thank You for your interest

Hope we can cooperate  
in near future

thank  
you!



Energy Saving Fan

© Copyright 2014 Weili-Fan Enterprise Co., Ltd  
All Right Reserved

