

# Rain Box

Clean air at last!



by **BIG\*POWER**  

# Problem

**The polluted air threatens our health.**



## **Indoor pollution:**

refers to the presence of physical, chemical and biological pollutants in the air of closed rooms and workplaces.

The term “indoor” means all public and private inside structures (homes, offices, schools, etc.) used for recreational, social and work activities.

Some pollutant elements can come from the outside and are linked to factors of air pollution (fine dusts, toxic gases, etc.) but most of them are produced inside buildings. The main sources of indoor pollution are people and their activities, construction materials, furnishings, products used for cleaning, glues, adhesives and solvents, toners for printers and photocopiers, heating and air conditioning systems. For the latter, whenever the ducts and filters do not undergo regular and careful maintenance, they can give rise to the formation mould and the circulation of microorganisms (PM10), with consequent viral contamination that is very dangerous for the organism ■

## **What problems does indoor pollution cause?**

Indoor pollution is a problem that should not to be underestimated, since the majority of the population spend about 80-90% of their time in closed places (home, workplace, school, means of transport, etc.), with high risk of:



### **Respiratory problems, allergies and infections**

Respiratory problems such as asthma, skin and mucous irritations, with very negative effects on the nervous system.



### **Cardiovascular and gastrointestinal problems**

Cardiovascular, intestinal and reproductive system problems, infections and intoxication.



### **Work efficiency problems**

Difficulty in concentrating, migraine, insomnia, with a drastic reduction in intellectual powers, causing fatigue and possible stress in interpersonal relations.

# Solution

**An all-important preventive action is in any case that of ensuring a good air change in the rooms. Today this can be done with RAIN BOX!**



## Rain Box

**... ensures good suction in order to breathe better**

The costs incurred by companies for addressing the inconvenience of indoor pollution should not be underestimated. Recent scientific studies have shown that an inadequate air change in closed workplaces causes a reduction in productivity of approx. 20% and an increase of approx. 15% in the number of days off for sickness caused by "unhealthy" air. A recent survey by the A.R.P.A.V. published in the *Mattino di Padova* on 25/02/06 showed how the quantity of fine dusts in workplaces is far higher than that present outside. In fact, the O.M.S. declares that "indoor" pollution is between 65 and 200 times higher. The result is that workers are constantly exposed to the poisonous effects of PM10 and the indoor dusts of various types (physical, chemical, biological, etc.).



**because breathing means living.**

# Rain Box



## What is it and how does it work:

RAINBOX is a practical and compact cabinet that contains the **Big Power** air **cleaning** system. With its revolutionary water filtering system, combined with the H.P.A filter, it cleans the air in your room with an efficiency of up to 99.9% (see certifications on page No. 7) capturing the finest dust even as small as 0.3 micron.

As well as cleaning, RAINBOX also **ionizes** the air, thanks to its induced passage through the water. Ionization becomes essential above all when various types of electronic devices are used, which tend to deionize and therefore impoverish the air of precious "negative ions" which constitute the "vitamins" of the air itself.

Another very important function is **stabilization of the humidity level** in the room. When too dry air is sucked, it will absorb the right amount of humidity through the filtration in water, whereas in the case of air that is too moist, the water contained in the tank will retain the excess humidity. The end result will be a steady and ideal humidity level of approx. 45 - 50%.

RAINBOX can also **capture bad odours and fumes** (combustion, cigarettes, etc.) in the water, and perfume the air with the use of particular essential oils to be added directly to the water, producing a beneficial and pleasant **aromatherapy effect**.

It **disinfects** the air simply by placing in the water in the tank a special and completely harmless disinfectant that reduces the bacterial and viral load in the air, drastically decreasing contagion between persons who live and/or work in common areas ■



## Installation and use:

- Insert Big Power in the special space inside the Rain Box and secure it with the diaphragm.
- Pour the water through the inlet hole, up to the level indicated, and add the essences and/or disinfectant.
- Adjust the required suction level, operate the switch and close the soundproofing door.
- It is advisable to change the water periodically.

Rain Box switching on and off can occur by means of a timer programmed as required. It is advisable to change the water periodically ■



# the practical and innovative solution!



## Filtro hepa class 3000

Grade 3424 with 99.985% efficiency with particles of 0.3 micron (frontal speed of 32 lpm). Other products with Grade 3424 support are used for areas such as:

### APPLICATION AREAS:

- Hospital operating theatres.
- Food processing premises.
- Medicine production premises.
- Personal breathing apparatus.
- Genetic research.
- Clinical procedures.
- Aerospace.
- Computer mainframe filters.

**Interlux cap and glitters**

**Filtrex washable filter**

Captures non-water soluble macrodusts.  
Machine washable.

**Water filtering system**

Composed with ABS and Nylon and 4 patented components:

- . Container bucket
- . Mixer basket
- . Deflector ring
- . Deflector shaft

## Colours

Rain Box is available in various colours in order to best match the furnishings of your home. Other colours are available by request for quantities of not less than 50 pieces and at prices that will be notified from time to time.



## Technical characteristics

**HEPA FILTER Grade 3428** is a support for low resistance filters, for the production of filters with typical efficiency of 99.985% tested with particles of 0.3 microns at a frontal speed of 32 lpm.

<b>External dimensions (WxLxH)</b>	450 x 480 x 672 mm
<b>Max. power</b>	W 750
<b>Amperage</b>	A 3,7
<b>Rated voltage</b>	230-240
<b>Frequency</b>	Hz 50/60
<b>Air flowrate</b>	m3/h 180 (50 l/sec)

Antijamming radio frequencies.  
Patented dust filtering system.  
The motor is built in class "2" with double insulation.

**WARRANTY:** 36 months/extendable to 60 months.



# Advantages



## Offices and workplaces:

company offices, public offices, professional's offices (notaries public, business consultants), etc.

## Public premises:

schools, bars, restaurants, hotels, banks, gyms, fitness centres, etc.

## Professional premises:

photographer's studios, hairdressers, beauticians, dental technicians, chemistry laboratories, pet shops, etc.

## Clinics and outpatient departments:

clinics, consulting rooms, dentists, rest homes, pediatricians, veterinary clinics, etc ■

## Advantages that will give your activity a new air



### Quality of cleaned air

Increasingly smaller spaces and prolonged times spent at work oblige one to breathe stale and therefore unhealthy air, with a consequent reduction in productivity and sometimes even occupational diseases.



### Less absences for sickness

Absences among school and pre-school age people (particularly vulnerable persons) are increasing rapidly and being caused by epidemics and viral infections due to poor ventilation in premises (PM10, PM2,5, PM1).



### The value of comfort

RAINBOX enables perfect cleaning and sterilization of the room and the air breathed by persons who are particularly weak due to sicknesses and/or after surgery.



### Added comfort

RAINBOX in the hotel can ensure a precious service for persons suffering from sicknesses linked to the respiratory system (asthma, rhinitis, allergies), by means of an adequate room cleaning.



# For a **certified** air quality.

In 1988, Mr Silvano Pietrobon, a teacher at the Max Plank Industrial Technical Institute, believing in his abilities as an "inventor", sought to create something that would allow his wife to solve a serious disorder she had been suffering from for years, i.e. significant respiratory problems caused by a persistent asthma. Thus began the long exploratory journey in the scientific world in order to find out what could be the instrument necessary for alleviating such problems. As a result, he gradually realized that his wife's problem is widespread and constantly growing throughout the world.

This led to the creation of **Big Power**, the air cleaning system with double filtering (water/hepa filter), able to clean the air in closed places (indoor pollution) with 99.9% efficiency and therefore prevent all the above-mentioned problems (plus others). It was wisely decided that the percentage of 99.9% must be demonstrated and certified by organizations qualified to do so. Therefore, in 1999 the **Big Power** was tested for several months in the laboratory and also on persons suffering from respiratory tract problems, and after a very careful analysis Pisa University issued a certificate confirming the above figure. Ongoing investments in research enable us to offer a high-tech and accurately tested product.

Since 1992, thanks to an important and ongoing advertising campaign through a national, European and worldwide commercial network, based on direct information, we guarantee a product that is truly unique.

Ensuring the control of the various phases (from the careful choice of raw materials/production/personnel training/marketing/final delivery to customers) and by holding the patents, we can confidently state that we have achieved an important goal: providing a global and very carefully structured service, to guarantee the full satisfaction of our customers.



### European certification

certifies that the BIG POWER product complies with all the safety standards and has passed the control tests



### German TÜV certification mark

certifies that the BIG POWER product complies with strict safety standards and has passed the strictest control tests



### TÜV certification mark valid for Eastern Europe

certifies that the BIG POWER product complies with all the safety standards.



### FI certification mark valid for Finland

certifies that the BIG POWER product complies with the required safety standards.



### Certification mark valid for USA

certifies that the BIG POWER product has passed the required tests and complies with the safety standards.



## **Rain Box** is a product certified by Pisa University



# **Rain Box**

**Clean air at last!**



**Ask one of our assistants  
for advice**

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