



AIR160

AIR-PURIFIER



AIR 160 OFFERS
A REDUCTION
OF **>99.9%**
ON COVID19

*Pure Air Treatment
is all about Flexibility*

*Get rid of viruses, bacteria
and moulds.*

Disinfect the air you breathe.



01903 538488

sales@pestfix.co.uk

www.pestfix.co.uk

Unit 1D Littlehampton Marina, Ferry Road, Littlehampton, BN17 5DS

For a better air quality

The AIR160 is based on existing air disinfection methods that are already being used to purify the air hospital operating theatres.

Three successful methods have now combined into a single device that is suitable for smaller areas up to 100 m³. These three methods are: air ionization, filtration and UV-C light disinfection.

Purifying the air you breathe is no longer a superfluous luxury. An increasing number of micro-organisms and chemical pollutants are commonly found in the air we breathe in indoor environments, including viruses, bacteria and moulds, and these make our air less healthy to breath.

But also smoke and pollen can be successfully diminished.

The AIR160 is a compact, stand-alone system, immediately ready-for use with simple installation and maintenance.

Easy to service, stylish and effective; it's the perfect air purifying system for so many applications.

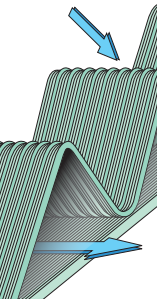
**Purify
your air.
Disinfect
your air.**



Clean your air in 3 steps...

1 Filtration

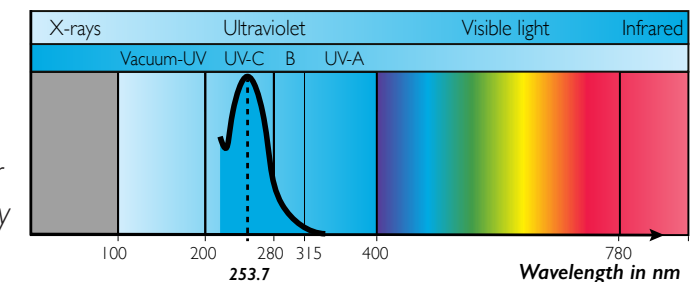
- A quiet, high-performance Ventilator draws the air through a Aetaire High Air Flow Electrostatic (HAF) Filter into the Disinfection Chamber.
- Aetaire HAF filters use an electrostatic charge, to operate with twice the efficiency of standard washable foam filters. Consequently they attract, capture, and retain more pollutants and particles than traditional filter media.
- The Aetaire HAF filter keeps the Disinfection Chamber of the AIR160 cleaner, so optimised air disinfection is guaranteed. Plus, the filter's open channel structure offers minimal airflow resistance ensuring maximum particle removal and maximum airflow.
- The Aetaire HAF filter includes an antimicrobial agent that prevents mould growth further increasing performance.
- Airborne dust capture also helps maintain productivity of in-room heating and air conditioning units.



2 UV-C Radiation

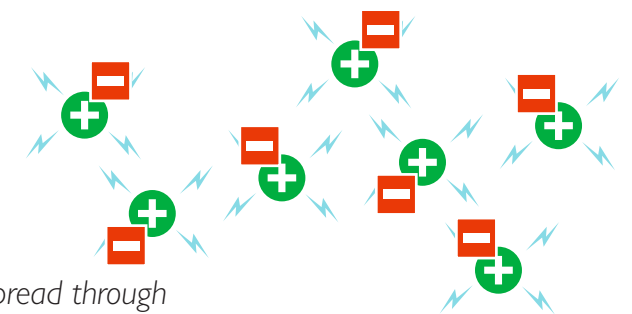
- The air is then treated with UV-C radiation via the special Philips UV-C lamp, generating ultraviolet radiation with a wavelength of 253.7 nm. The UV-C light destroys the DNA (cellular structure) of viruses, bacteria, moulds, fungi and other micro-organisms and prevents their reproduction. This ensures 99.7 % disinfected air in a healthy and efficient way.
- The unique aluminium interior of the Disinfection Chamber provides additional reflection of the UV-C radiation, thereby increasing the efficiency of the UV-C radiation up to 50%. This completely exposes micro-organisms to the eliminating UV-C radiation from all sides.

the spectrum of light



3 Ionization

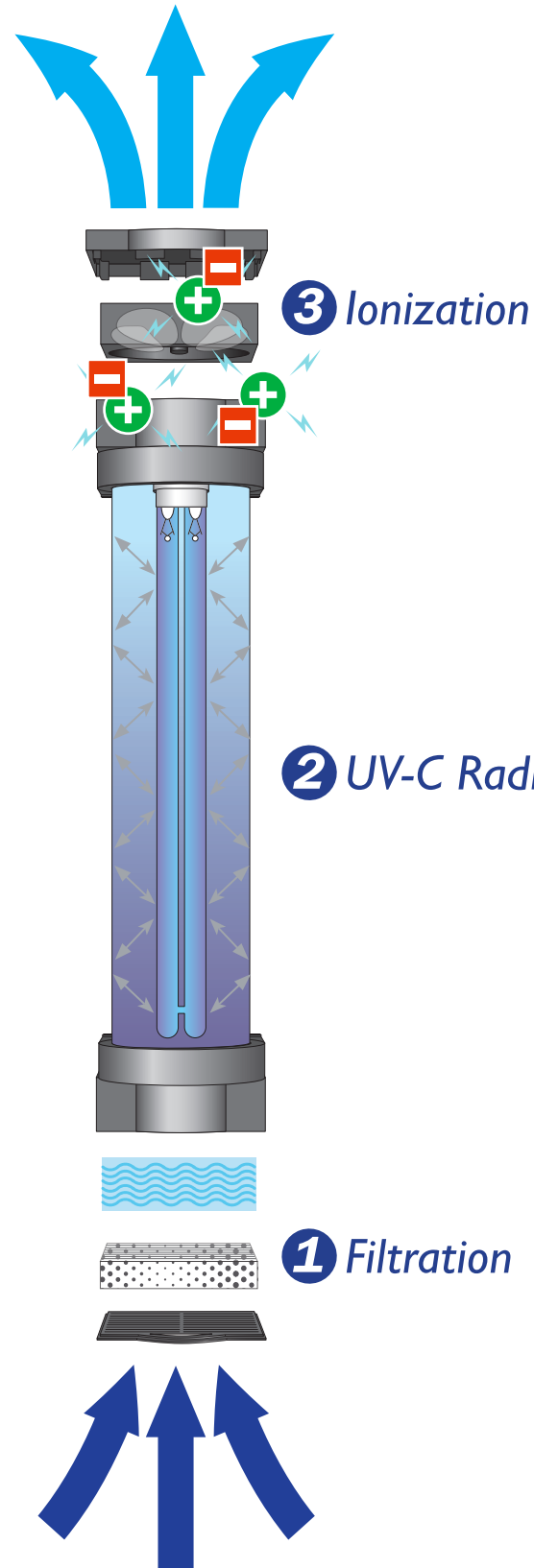
- After the UV-C treatment, the ionizer launches 8.5 million negative ions per cm³ into the treated air.
- Poor air contains many positive ions. Micro-organisms easily spread through the air using these positive ions, as do dust, pollen and other pollutants. Fresh air typically contains up to 4,000 negative ions per cm³, but this figure is much lower in enclosed rooms, often between well below 50 ions per cm³.
- The negative ions introduced by the AIR160's Ioniser form compounds with the positive ions present. The compounds thus formed are too heavy to float in the air; so they sink down and are captured by the Aetaire HAF filter.
- The large number of negative ions produced improves the resistance of the human body, and may even promote healing processes.



AIR160

AIR-PURIFIER

**FILTERED, IONIZED
& DISINFECTED AIR**



Advantages of the AIR160

- Disinfects and purifies the air up from 99% to 99.99%
- Eliminates micro-organisms that are present in the air
- Improves the quality of the air and promotes a comfortable feeling
- Purifies the air in enclosed areas
- Has a positive effect on your health
- Strengthens the resistance of the body against diseases
- Inhalation allergies are reduced or disappear
- Anxiety and depression can be reduced, or disappear
- Diseases can be prevented

Effective Against

- Viruses - including influenza
- Whooping cough & more
- Bacteria
- Moulds
- Fungi
- Mites
- Dust and particulates
- Pollen
- Cigarette smoke
- Harmful gases
- Odours

Clean air

Clean air in our living environment is better for our health. Pure air not only increases the resistance of the body against diseases, but also reduces respiratory problems, and can prevent such problems completely.

The AIR160 was developed with this in mind and offers following:

- Suitable for areas up to 100 m³ - circulating up to 50 m³ air per hour.
- Draws air into the underside using a ventilator or creating good air circulation.
- Uses the Aetaire High Air Flow Electrostatic (HAF) Filter with Antimicrobial Coating to remove airborne particles and pollutants.
- Uses a Philips UV-C lamp to disinfect the air with Ultraviolet Radiation destroying viruses, bacteria, moulds and other micro-organisms.
- Uses a high-performance ionizer to purify and refresh the air.
- Employs integrated time monitoring to keep accurate track of operating hours.
- Features reduced noise levels and compact unit size.



Technical Specifications AIR160

- | | |
|-------------------------------|--|
| • Total power consumption | : 65 Watt |
| • Philips PL-L 60W/4P HO lamp | : 60 Watt |
| • UV-C Dose | : 4.23 mJ/cm ² (air flow 50 m ³ /hr) |
| • UV-C (%) after 8,000 hours | : 85 % |
| • Filter | : Aetaire High Air Flow (Electrostatic HAF) Filter |
| • Ventilator | : 12 Volt (low noise) |
| • Max. area capacity | : 100 m ³ |
| • Max. throughput | : 50 m ³ of air per hour |
| • Dimensions of the device | : 600 x 170 x 150 mm |

**BACTERIA • DUST MITES
SMOKE • VIRUSES • ODOURS
MOULD & POLLEN**

PL-L UV-C Lamp

UV light has the ability to destroy micro-organisms without creating any unwanted by-products. It has no effect on the smell, PH, temperature, purity or humidity of the air.

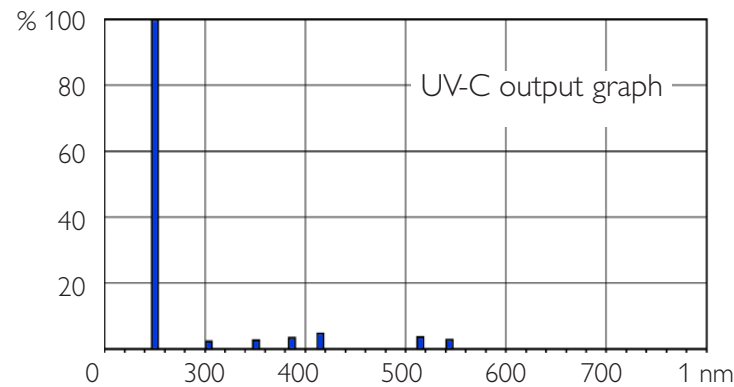
UV light is therefore more and more chosen by professionals to safely disinfect air.

Warnings and Safety

A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves.

Put them in a sealed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.

Photometric data



General Specifications

- Lamp : 60 W 2G11 PL-L UV-C
- Brand : Philips Europe (Signify)
- Applicable for : Disinfection of air
- UV-C output emission : Peak at 253,7 nm
- Article number : 2.25.1050
- Voltage : 84 Volt
- Lamp power : 60 Watt
- Lamp current : 0,80 A
- Lifetime : 9.000 hrs (1 year)
- UV-C output, drop end of lamp life : 15%
- HS code : 853939

DANGER
Risk Group 3 Ultra Violet product. These lamps emit high-power UV radiation that can cause severe injury to skin and eyes. Avoid eye and skin exposure to unshielded product. Use only in an enclosed environment which shields users from the radiation.



Aetaire HAF Filter

Double the Efficiency

By using an electrostatic charge, HAF filters are able to operate with twice the efficiency of washable foam. They attract, capture, and retain more particles than traditional filter media.

Get Maximum Particle Removal Performance

An Aetaire HAF filter keeps the disinfection chamber of the AIR 160 cleaner, so optimized disinfection is guaranteed.

Plus, the filters open channel structure has minimal airflow resistance. With an HAF filter, you get maximum dust removal and maximum airflow to handle more volume.

Resists mould growth

An Aetaire HAF filter includes an antimicrobial agent that prevents mould from growing on its surface. In the warm Air160 disinfection chamber, this can keep your filter from becoming a mould colony, which is quite possible with foam or paper filters.

Dimensions : 120 x 120 x 20 mm
HS Code : 84213100

