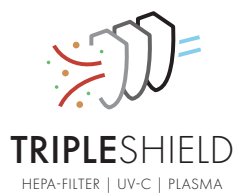




AIRANGEL

TRIPLE AIRPURIFICATION
FROM THE UV-SPECIALIST



www.airangel.eu

INVISIBLE YET SO IMPORTANT.

The impact of air quality on our lives is often underestimated. Every day we breathe in an average of 10,000 litres of air and in the current situation the quality of this air is even more important.

In closed rooms where people are present, viruses, bacteria and germs can spread quickly. Viruses do not move individually in the air but are enclosed in larger droplets.

When breathing, everyone emits tiny droplets (aerosol particles), which multiply rapidly in the air and may lead to an increased concentration of infectious particles.

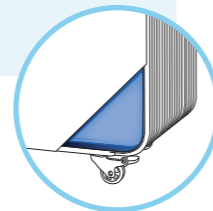
Each breath may contain 1,000 to 50,000 droplets. When coughing or sneezing, the droplets are ten times larger. If the supply of fresh air is limited, not only do germs and viruses increase but also the risk of infection and contagion indoors.

MEASURE UND NEUTRALIZE.

AIRQSENSE
TRUST, BUT VERIFY.



With AirQSense technology, AirAngel provides intelligent management of each device. Two standalone sensors continuously measure the air quality and efficiently adjust their cleaning performance. The AirAngel also displays in colour the current status of your air quality.



PARTICLE-SENSOR
PM2.5 (PARTICULATE)



Measures the fine dust and particle pollution in the air and gives the control system an impulse to intelligently adapt the purification programme to its environment.

POLLUTION SENSOR
TVOC (GASES)



Measures the CO₂ content and detects ozone, formaldehyde and alcohols in the ambient air and gives the control system an impulse to intelligently adapt the purification programme to achieve an improved air quality.

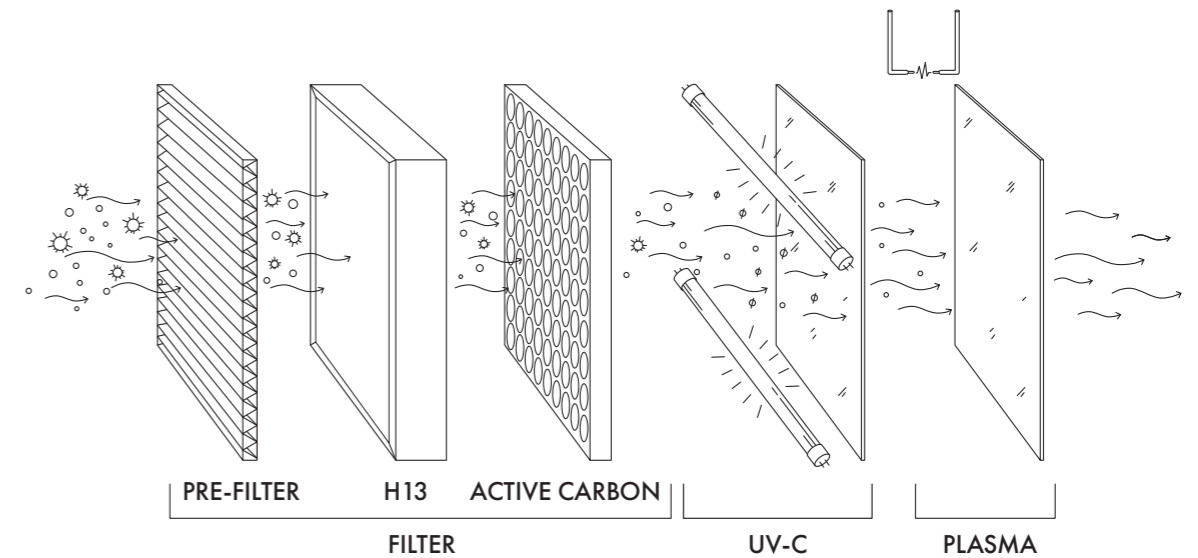
TRIPLESHIELD

TRIPLE ACTION PURIFICATION-TECHNOLOGY



TRIPLESHIELD
HEPA-FILTER | UV-C | PLASMA

With TripleShield technology, AirAngel devices combine three types of disinfection/cleaning in a particularly effective complete package. With the aid of HEPA filters, UV-C and plasma, AirAngel devices ensure maximum air purification to protect your health.



PRE-FILTER

This is used for general filtering of coarse dirt to reduce pollution of the HEPA filter.

HEPA H13 FILTER

They filter particles with an aerodynamic diameter of less than 0.1 µm, such as bacteria and viruses, pollens, mite eggs and excretions, dust, aerosols and smoke particles. The filters are approved in compliance with EN 1822 and ISO 29463.

ACTIVE CARBON

Odors and a wide range of harmful gases are eliminated, including formaldehyde and ozone.

UV-C TECHNOLOGY

UV-light in combination with a TiO₂-filter destroys the genetic material of viruses, bacteria and fungi and thus eliminates the infectious potential or the chance of them multiplying.

PLASMA TECHNOLOGIE

Plasma produces a static charge, tiny particles are clumping together so they can be filtered.

RECOGNIZE CLEAN AIR.

Convey a sense of wellbeing with AirQSense.

AirAngel air purification systems give you visual feedback.

Four different colours indicate the current air quality. For any situation there is a specific programme for effective disinfection of the ambient air.



Examples are shown using the AirAngel AP-90.



BACTERIA BRIEFLY EXPLAINED.

Bacteria are single-cell organisms with their own metabolism and genetic material. They feed themselves and reproduce via cell division. They make what they need for living within their cell. Bacteria are found everywhere, for example in the air, in water or in food. However, air isn't bacteria's natural habitat. They get into it somewhat accidentally through wind or spray, but also via excreting, sloughing off skin scales or by breathing, talking, coughing or sneezing. How long bacteria

remain viable in the air depends on their tenacity (ability to survive). About one per cent of all bacteria cause human diseases when they enter the human body. In the process, they produce metabolic products that cause symptoms of illness.

WHY AEROSOLS CAN BE HARMFUL?

Viruses, bacteria and germs can spread quickly in closed rooms where people are present. Viruses don't move individually in the air, but rather are enclosed in larger droplets. When breathing, everyone emits tiny droplets (aerosol particles), which multiply rapidly in the air and may lead to an increased concentration of infectious particles. Each breath may contain 1,000 to 50,000 droplets. Since aerosols follow the air flow and float in the air, they can re-enter the body via

inhalation. This makes disease transmission via aerosols particularly high. When coughing or sneezing, these droplets are ten times larger. If the supply of fresh air is limited, not only do germs and viruses increase, but also the risk of infection and contagion indoors.

WHAT ARE VIRUSES?

Unlike bacteria, viruses are not living organisms. They cannot live autonomously because they have neither their own cell nor their own metabolism and cannot produce food for energy. Viruses need another cell (host cells are animal, plant or human cells) in order to live and reproduce. Only with the aid of this host cell can viruses multiply and spread. For the

behaviour of viruses in the air, not only is carrier aerosols' size decisive, but also the indoor climate, the air exchange rate and the way in which ventilation is carried out.

MADE IN GERMANY.

DEVELOPED AND MANUFACTURED.

AIRANGEL - A HYGIENIC STEP FORWARD.

GERMANY

To cover every circumstance we are constantly developing new products. Our high standards are reflected in our devices manufactured in Germany.

AIRANGEL S-20
TABLE AND COUNTER DEVICE

Thanks to integrated UV-C lamps the AirAngel effectively purifies the air. A UV-C light trap minimises the immission value in accordance with any guidelines. The table and counter device is versatile in use.

AIRANGEL S-60
CEILING UNIT

The ceiling unit of AirAngel has a standardized size. It is therefore quickly integrated into modular ceiling systems. In addition to that the S-60 can also be installed on every ceiling. Built-in UV-C lamps ensure reliable inactivation of germs. A UV-C light trap minimises the immission value in accordance with any guidelines.



APPLICATION POSSIBILITIES.

AirAngel air purification systems are used wherever the quality of the ambient air is important and contamination has to be neutralised effectively.

AirAngel devices can be placed in any indoor environments. Suitable for high traffic areas.



IMPACTFUL PLACEMENT.

To achieve the ideal purification result, each location must be assessed individually. This is where the number of times air is exchanged per hour factors in. Three exchanges of air are recommended for quiet areas, six to ten in areas of high traffic or increased activity (such as sports venues).

The best way to calculate this is the volume (floorspace x actual room height) in addition to the fittings and furniture that have an impact on airflow.



PRODUCT OVERVIEW.



AIRANGEL S-20

-  80 x 26 x 75 cm
-  8,0 kg
-  70 m³/h
-  20 m²



AIRANGEL AP-30

-  52 x 31 x 14 cm
-  9,0 kg
-  200 m³/h
-  30 m²




AIRANGEL AP-40

-  63 x 39 x 21 cm
-  9,0 kg
-  320 m³/h
-  40 m²




AIRANGEL S-60

-  68 x 68 x 23 cm
-  20,0 kg
-  bis 600 m³/h
-  60 m²





AIRANGEL AP-90

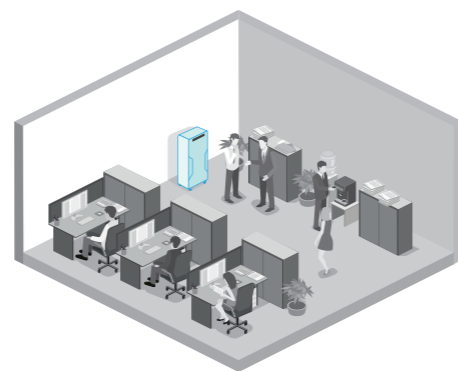
-  73 x 45 x 25 cm
-  18,0 kg
-  720 m³/h
-  90 m²

 Dimensions

 Weight

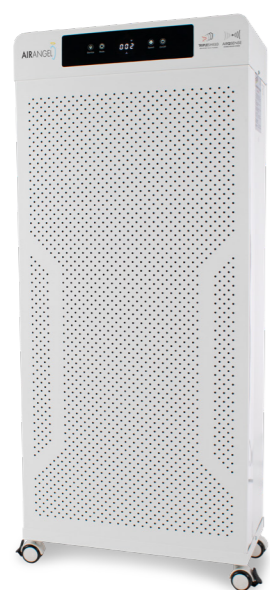
 Air-purification volume per hour

 Appropriate room size with triple circulation



AIRANGEL
DI CREMA
 COFFEE ENJOYMENT CENTER
 BAD HONNEF

„For optimal protection of our customers, we have chosen the AirAn-
 gel. With germ-free and purified air, coffee enjoyment is even more
 aromatic.“



AIRANGEL AP-120

-  135 x 58 x 30 cm
-  43,0 kg
-  1200 m³/h
-  120 m²



AIRANGEL AP-160

-  120 x 60 x 35 cm
-  54,0 kg
-  1300 m³/h
-  160 m²

AIRANGEL - AIRPURIFICATION SYSTEMS.



- // On-site consultation on the function and use of the equipment
- // Evaluation of each environment
- // Purchase, leasing or rental offers (subject to creditworthiness)
- // Delivery and instruction on all AirAngel devices
- // After sales customer support

PLACEMENT

These air purification systems are suitable for every room where a good air quality is necessary, and are suitable for areas with a high volume of visitors.

The best way to calculate this is the volume (floorspace x actual room height) in addition to the fittings and furniture that have an impact on airflow.

PURIFICATION

Reduction of infection risk by effective inactivation of viruses in the air.

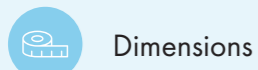
HEALTH

Can provide relief from allergies caused by pollen or dust.

Can filter out asthma-triggering allergens and pollutants from the indoor air to a large extent.

ODOUR

Can greatly reduce unpleasant odours indoors.



Dimensions



Weight



Air-purification volume
per hour



Appropriate room size
with triple circulation

PROOF OF EFFECTIVENESS

SGS is based in Switzerland and is the world's leading company for inspection, verification, testing and certification. SGS operates testing centres and laboratories worldwide.



Guangdong Institute of Microbiology (GDIM)

The institute was founded in 1964 and is one of the leading institutes in the field of microbiology and is acknowledged by the medical profession worldwide.



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