



VISIONAIR BLUE LINE MICROBEFREE GLOBAL

All over the world, the insight that clean indoor air is extremely important is growing, it is so important that it can even save lives. Food and water are crucial for life, but the air we breathe as well: more than 13,000 liters of air flows through our nose, mouth and lungs every day. We spend 90% of our lives in closed spaces.

In every closed space where people spend time, there is an increased risk of infection with, for example, a cold or the flu virus. When a sick person breathes, speaks, coughs or sneezes, thousands of infectious tiny droplets of many shapes and sizes spread through the air. In the ambient air, these droplets come together and form aerosols: a mixture of solid and liquid particles, gases, viruses, bacteria and water vapor that spreads through the air. Depending on the weight and dimensions, these droplets can remain in the ambient air for hours and spread through the building via the air conditioning.

With Euromate's **VisionAir MicrobeFree Global** you, your colleagues, visitors and residents can breathe a sigh of relief. These devices **minimizes** forms of pollution from the air. Not one, not two, but three filters have the task of keeping the air, living and working area clean and healthy

ABOUT BACTERIA AND VIRUSES IN THE AIR

What are bacteria and viruses?

Bacteria and viruses are organisms that cause diseases, like the common cold or influenza.

How can airborne bacteria and viruses affect health?

Bacteria and viruses can travel through the air, causing and worsening diseases. They get into the air easily. When someone sneezes or coughs, tiny water or mucous droplets (aerosols) filled with viruses or bacteria scatter in the air or end up in the hands where they spread on surfaces like doorknobs. Inhaling these viruses or bacteria can spread coughs, colds, influenza, tuberculosis and other infectious agents.

Crowded conditions with poor air circulation can promote this spread. Some bacteria and viruses thrive and circulate through poorly maintained building ventilation systems, as with Legionnaires' disease. Damp, humid air can increase the survival rate of viruses indoors. In addition, some individuals with allergies react to endotoxins, substances that come from the broken-down cells of dead bacteria.

Bacteria in the soil produce endotoxins, so they are virtually everywhere outdoors. They can come indoors with pets, pests, humidifiers, kitchen compost bins and outdoor air.

Reducing the spread of bacteria and viruses

Most often, the human occupants of a home or workplace are the source of infectious diseases. A key step to reducing the spread of disease through indoor air is to practice healthy behavior.

Precautions, like coughing or sneezing into the bend of your elbow, can curb the spread of airborne viruses and bacteria. Washing your hands and common surfaces with soap and water can keep them from spreading on indoor surfaces.

Effective ventilation may also help keep bacteria, viruses and other pollutants out of the indoor air. Research shows that air flow and ventilation can affect how diseases spread indoors. The more stagnant the air is, the more likely diseases are to spread.

Doctors, physiotherapists, dentists and health care institutions will benefit the most from placing an air cleaner in the work-space.

VISIONAIR BLUE LINE MICROBEFREE

The **VisionAir Blue Line MicrobeFree Global** is a unique air purifier of its kind. From the outside it may seem the same as other VisionAir Blue Lines, but on the inside it is different. It is the friend of every healthcare professional!

At the heart of this air purifier is a special filter package that ensures that small particles are filtered out of the air. A small selection of the many particles that the MicrobeFree filter package purifies:

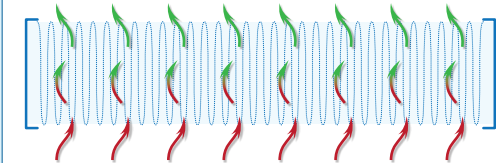
- Bacteria and viruses
- Aerosols and (fine) dust
- Mercury, porcelain and ceramic particles
- Vapours of, among other things, chemical disinfectants
- Unpleasant odours

FILTER PRINCIPLE

The VisionAir Blue Line MicrobeFree Global contains a unique system that cleans the indoor air in three stages:

Phase 1: The **Pre-filter** Blue Line catches the larger particles of dust and other polluting things such as pieces of metal and porcelain.

Phase 2: the **HM Blue Line filter** filters particles up to 99,95%. Thanks to the large filter surface, a low air resistance and a high filter capacity are achieved.



Phase 3: The **Final Filter AC Pleated** adsorbs unpleasant odours and gases. Finally a **Silver Ion filter** and **UV-C light** solution are added to kill off remaining airborne viruses and bacteria.

Aerosols will be filtered in every phase depending on the size.

