

VIRUS SHIELD AIR FILTERING

Zehnder's Virus Shield takes filter technology to a new level and is capable of extracting over 99 % of viruses from the air. Work with us to help keep your employees, customers, visitors and your business safe.



HOSPITAL GRADE FILTERS

Capture >99 % of
airborne viruses



FULLY CERTIFIED

Filters are
EN and ISO
compliant



INDIVIDUALLY TESTED

Every filter is
put through its
paces



BIOCIDE UPGRADE

Optional add-
on for extra
protection

Viruses and air pollution

The threat from viruses in the workplace is closely **linked to air pollution**: Air pollution is not only outdoors – it's often much worse indoors. It consists of tiny particles, known as **particulate matter or aerosols**.

How viruses spread

- Viruses spread in the air by hitching a ride on aerosols. One way they pass from person to person, for example, is on the aerosol droplets we produce when we **cough, sneeze, speak or sing**.
- Viruses need to be present in a **certain quantity** to cause infection. Outdoors, where fresh air heavily dilutes aerosols, the risk of infection is much lower than indoors.
- WHO states that in indoor environments, without much air movement and space to disperse them, tiny aerosols can **stay suspended in the air over long distances and time**, increasing the risk of infection.
- Viruses which are no longer suspended in the air **fall down on to surfaces**, creating another infection risk.



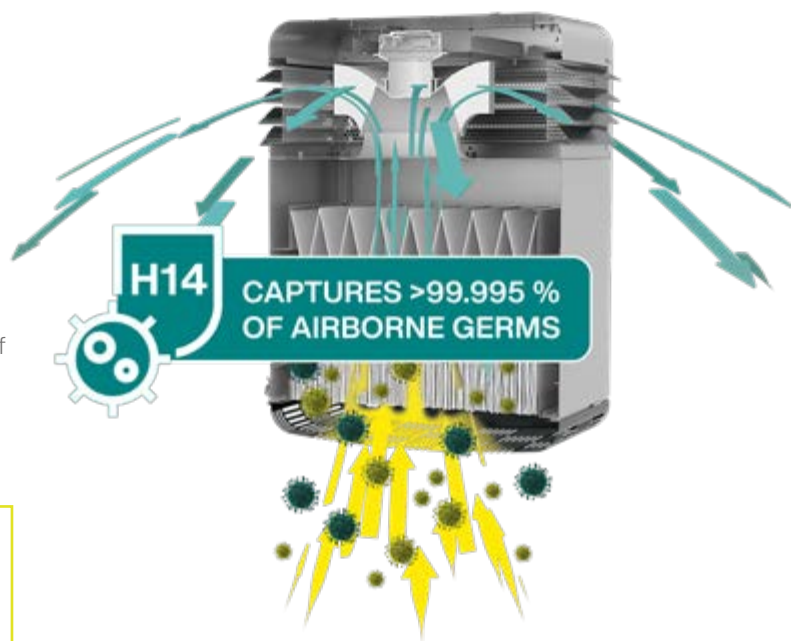
WHAT IS A VIRUS?

Viruses are tiny germs that can cause **infectious diseases** such as the common cold and flu. There is **no cure** for most viruses and we rely on our immune systems to make us better.

VIRUS SHIELD YOUR FEEL-SAFE SOLUTION

Social distancing, regular hand washing, and face coverings are important, but are they enough? Our solution to **protecting your staff and customers** is to start with clean, germ-free air in the first place.

- Our high-efficiency particulate (HEPA) filters **have been proven time and again** in environments where high hygiene standards are essential.
- Our Virus Shield consists of a **unique and patented filter combination**: the Flimmer filter extracts most of the air pollution, while a HEPA 14 filter catches any tiny microorganisms which might have got away.



OUR PROMISE TO YOU

- ⊕ **Highest standards**: every filter individually tested; world-leading technology
- ⊕ **Flexible air cleaning solutions**: we design tailor-made systems to fit your specific needs
- ⊕ **Keeping you safe**: our well-proven filter technology captures the most harmful aerosols and other airborne germs.

USE VIRUS SHIELD WHEREVER PEOPLE GATHER TOGETHER

- In warehouses and distribution centres
- In food production facilities and supermarkets
- In manufacturing facilities
- In public places like schools, hospitals or airports