

CLEAN AIR IN HOPES AND DREAMS

The benefits of installing the highest certified clean air tech in nursery schools

Dirty air - Air that is polluted with particulate matter such as dust, pollen and pet dander

Sick Air - Air that is polluted with bacteria, viruses, mould and fungi

Toxic Air - Air that is polluted with gases such as NO₂ from traffic pollution



HEALTHY AIR MEANS GETTING RID OF THIS

Standard air cleaning technology

Air purifiers are popular. They all seem to be doing the same thing. Draw air inside the units, clean it and release it back into the room much cleaner. Moreover, they all use the same technology (with different marketing names of course): a box with a fan and a HEPA filter. To make matters even more confusing, they all advertise over 97% efficiency*, regardless of the price point. What does that red asterisk mean though? It means over 97% efficiency during tests conducted. Air pollution is complicated. One can not realistically test a unit against ALL air pollutants. Therefore, only a few air pollutants are chosen and the units are tested only against those air pollutants. For example CADR rating refers to Dust, Smoke and Pollen. Conclusion: Air purifiers are good at cleaning Dirty Air by catching dust and large particles. But what about the most dangerous pollutants that make up Sick and Toxic air?

High-tech air cleaning

Nanoparticles, including viruses, are the most dangerous type of air pollution because they can reach the deepest parts of the lung and be transferred into the bloodstream. These are too small to be caught in HEPA filters and must be destroyed.

Radic8 technology uses the patented VIRUSKILLER™ technology that kills viruses in a single air pass, making it the highest certified clean air technology in the world. Viruses make up the smallest air pollution particles and are usually the ones hardest to catch and kill. The larger particles and gases are relatively easy to destroy, and all are easily dealt with in the advanced reactor chambers of the Radic8 units.



Clean air in nursery schools

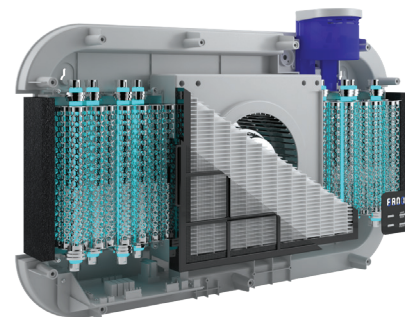
Buildings are tightly sealed to be energy efficient but the problem with this is that air quality suffers. In nurseries, where lots of children and adults share the same space (and therefore breathe the same air) air quality can quickly worsen. Radic8 technology can provide systems that not only clean the air, but also bring in fresh air. At Hopes and Dreams Montessori Nursery in Islington they have easy to install plug-and-play units, and fresh air is brought in by regularly opening windows. We have designed the Radic8 installation at Hopes and Dreams so that it creates around 5 air exchanges per hour, this means that every 12 minutes the air is going through the Radic8 units and being properly cleaned of traffic pollution, toxic gases, ultrafine particles, viruses and other harmful air pollutants, keeping children safe and active.

additional info on: www.radic8.com

FAQ

Why do we need air cleaning tech in a nursery school?

The air inside buildings is typically brought in from the outside and recycled many times. Research has shown indoor air can be 2 to 5 times more polluted than outdoor air. Children suffer the most when it comes to air pollution. It can cause lifelong conditions such as asthma and reduced lung capacity, as well as affecting their academic performance, ability to focus and even their intelligence. Therefore, nursery schools are one of the places where clean air is a must.



Why can't we shut all the windows, clean the air inside and then keep it clean?

Unfortunately this is not an option. In indoor spaces occupied by many people carbon dioxide gas (CO₂) can quickly buildup. High CO₂ levels can cause reduced cognitive function, tiredness and headaches. The only way to control CO₂ levels within safe limits is to regularly bring in fresh air from outside.

Isn't it bad for children's immune systems to not be exposed to pollutants?

It's all about the type of pollutant. Air can be polluted with pollen and pet dander or it can be polluted with formaldehyde and traffic pollution. Children need to be exposed to everything organic, in order to develop the right immune responses and avoid allergies. However, they will never develop immunity against NO_x from traffic pollution for example, but could develop life long conditions such as asthma. Installing clean air technology in a classroom will not make it a sterile environment. Children will still interact and exchange bacteria through talking to each other and touching toys and surfaces. This will help keep their immune system busy fighting the right fights.

Why choose Radic8 over all the available technology on the market?

Radic8INBair Group is a company focused on technology and innovation. It owns the VIRUSKILLER™ technology which is leading the global fight against airborne viruses. It's installed in hospitals, newborn wards, carehomes, cancer associations, even military facilities. Air purifiers are good at trapping dust but they do nothing against ultrafine particles that go straight through HEPA and carbon filters. Given the extensive documentation that Radic8 can provide, including test results for viruses, NO₂ and toxic gases, their technology is the ideal choice.

