

# Schools in the diocese of Augsburg are ensured in-person teaching thanks to 1200 IDEAL air purifiers.

# IDEAL

In the media, there has been ongoing and intensive discussion about equipping schools and childcare facilities with air purifiers. The health of pupils, teaching staff and employees during the pandemic is a particular concern for the Schulwerk der Diözese Augsburg, the diocese of Augsburg's school foundation. A respectable 1200 IDEAL AP80 PRO air purifiers have therefore been purchased. The director of the diocese of Augsburg's school foundation, Mr Peter Kosak, reports on the background and experiences.

The diocese of Augsburg's school foundation, Schulwerk der Diözese Augsburg, is a foundation under public law. It was established in 1975 by the diocese of Augsburg to support and safeguard the important pedagogical work of ecclesiastical schools. According to its constitution, the "objective and purpose of this ecclesiastical foundation is to support preschool, school and school-like institutions with a Catholic character, primarily within the diocese of Augsburg". Since its beginnings, the Schulwerk foundation has taken on direct operation of 40 schools and founded five new schools.

*Peter Kosak, director of the diocese of Augsburg's school foundation: "The IDEAL AP80 PRO air purifiers are used in all the schools in our foundation – and have been since mid-September 2021. This means they are used in the general education sector in four primary*



*schools, a middle school, 21 high schools, 10 grammar schools and one technical secondary school; in the vocational education sector, the air purifiers are used in five vocational schools for social pedagogy, a vocational school for nutrition and care, and a vocational college for primary school childcare. The IDEAL air purifiers have been installed in all of the classrooms there, as well as in the staff rooms."*

Especially in rooms where many people regularly gather, it is more important than ever that the air in indoor spaces is clean and purified. In childcare groups and classrooms, where it is very difficult to maintain any distance, infectious illnesses often spread particularly quickly. Particularly when learning, playing and singing together, infectious aerosols are transmitted through ambient air. The efficient IDEAL air purifiers counteract this and thereby supplement and enhance protective measures such as social distancing, dividing walls, surface disinfection and face masks. By circulating and cleaning the air several times per hour, they decrease the dwell time of harmful pollutants in the ambient air and reduce the amount of virulent aerosols.

*Peter Kosak: "We feel that we have a duty to do everything in our power to reduce the potential viral load in our schools and actively prevent the risk of infection. With this purchase, we want to safeguard the health of our pupils, teachers and employees – and, first and foremost, to ensure that lessons can take place in person. The air purifiers contribute to creating the best possible teaching conditions for in-person lessons during the time of the coronavirus pandemic. We are confident that this results in a significant increase in hygiene and safety."*



Peter Kosak, director of Schulwerk der Diözese Augsburg, the diocese of Augsburg's school foundation



## Highly effective IDEAL filtration technology ensures clean air

The AP80 PRO model from IDEAL is a professional, high-performance air purifier, which ensures that the air is clean. What's more, this model of air purifier stands out from the crowd thanks to low noise emissions and low energy consumption.

*Peter Kosak: "The Free State of Bavaria subsidised 50% of the purchase for the air purifiers. We financed the rest ourselves. We processed this order through the Munich-based company Kaut-Bullinger Office + Solution GmbH. We received the corresponding offer as part of the Europe-wide public procurement regulation invitation to bid."*

This high-quality, "made in Balingen" unit also achieves a very high airflow rate, as well as maximum cleaning performance. This is because the structure of the cartridges ensures the entire surface of the filter is used effectively and the airflow also efficiently captures other distant particles in the room. The highly effective IDEAL 360° smart filters remove up to 99.99% of all particles (0.2 µm in size, in acc. with DIN 71460-1), aerosols, pollutants and pathogens such as viruses and bacteria. Gases and chemical compounds are also filtered out of the ambient air.

These ultra-efficient, multi-layered filters (comprising pre-filter mesh, pre-filter layer, HEPA microfibre layer,

activated carbon layer and cover layer) trap virtually everything: Small and large particles, gases and chemical compounds. Even the most penetrating particle size, which is the most difficult to remove, is reliably filtered out of the ambient air. This is important since these ultra-fine, respirable particles measuring only 0.1 to 0.3 micrometres can make people sick.

*Peter Kosak: "We find the IDEAL AP80 PRO model air purifier especially impressive because its size is compact, it's easy to operate and simple to maintain. As well as being able to operate the air purifier on the unit itself, remote control makes it easier for the teaching staff to control the units from further away."*

Furthermore, the intelligent integrated sensor technology monitors and controls the air quality in the room and thereby ensures permanently clean air. As an optional addition to the air purifiers, the indoor air sensor IDEAL AS10 measures and displays the air composition, the indoor climate and possible environmental factors – all in real time. All of these measured values are displayed easily and conveniently by the "IDEAL AIR PRO" app.

*Peter Kosak: "Depending on the duration of the school day, the air purifiers in the classrooms run for between six and ten hours. The school community definitely feels safer with regard to possible coronavirus infection since installing the air purifying units."*