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For generations to come: Viessmann develops new air ventilation solution for schools to fight the corona pandemic and to improve the quality of learning

- Hybrid ventilation solution reduces aerosols in classrooms
- CO₂ and VOC pollution (Volatile Organic Compounds) significantly reduced
- High air exchange through fresh air supply and HEPA filter
- Students' ability to concentrate is enhanced through improved air quality
- Viessmann Foundation donates 50 appliances to schools and social institutions

Allendorf (Eder), 23.11.2020 - The nationwide lockdown in November, which was necessary due to the high number of infections in the second corona wave, has been accompanied by considerable restrictions. It is therefore all the more important to continue to secure the indispensable work in public institutions and especially, teaching in schools.

In order to provide a decisive solution to the problem, Viessmann has developed a new air ventilation unit, the Vitovent 200-P. This is a unique hybrid ventilation unit that provides rooms with a continuous supply of fresh air and simultaneously cleans the air. Constant air circulation reduces aerosols and supplies closed rooms with fresh outside air again and again, so that pupils and teachers are best protected against the virus and learning performance is improved.

"As a 103-year-old family business, we are committed to designing living spaces for generations to come," says Viessmann Co-CEO Maximilian Viessmann. "Right now it is crucial that we quickly and pragmatically safeguard our children to maintain a part of their social life and access to education in these challenging times."

Vitovent 200-P uses the so-called displacement ventilation principle: A direct and continuous air circulation is guaranteed with a fresh air supply at floor level which then rises due to heat exchange with the occupants' bodies. Consequently, used air rises to the top and travels into the units and is cleaned there, before being returned into the room as fresh air at floor level. The permanent supply of fresh air with heat and moisture recovery ensures a comfortable learning atmosphere and good air quality, even without window ventilation.

Vitovent 200-P units have already been successfully tested in a pilot project at the Hans-Viessmann Vocational School in Frankenberg, North Hesse. The feedback from students and teachers has been overwhelmingly positive.

In particular, it was positively highlighted that the unit runs very quietly and creates a comfortable indoor climate- it was also noted how in the prior absence of frequent ventilation, an additional health risk in winter when outside temperatures are very low, not only did the indoor air dry out excessively, but the schools' energy consumption and CO₂ emissions were driven up too.

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The devices can be retrofitted easily and at low cost by replacing a window pane with an isopanel. Thus, they offer the possibility to keep heavily occupied lounges and public facilities open despite a generally high risk of infection.

The Viessmann Group together with the Viessmann Foundation announced today that it will donate the first 50 Vitovent 200-P air cleaning units worth a six-figure sum to schools and social institutions, and will assume the full cost of installation. The company is thus fulfilling its purpose "We create living spaces for generations to come" to a great extent. Find more information at viessmann.de/forgenerations

Technical details and the request for a consultation can be found here: viessmann.de/aufatmen

Already at the beginning of the outbreak of the pandemic, Viessmann successfully demonstrated that the company was prepared to fulfil its social responsibility and made a tangible contribution to the community through the short term development and provision of respiratory ventilators, mouth and nose masks and disinfectant - all of which are summarised as "ViAid".

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