

## Press

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### **Units installed in Berlin school for the first time: Viessmann develops new ventilation solution to combat Corona pandemic and permanently improve learning quality**

- Hybrid ventilation solution reduces aerosols in classrooms
- CO<sub>2</sub> and VOC (Volatile Organic Compounds) levels significantly reduced
- High air exchange rate due to fresh air supply and HEPA filters
- Increased ability of students to concentrate due to improved air quality

**Allendorf (Eder), 21.05.2021** - The nationwide lockdown since November, made necessary by the high infection figures of the second and third corona waves, is still accompanied by considerable restrictions. This makes it all the more important to safeguard the indispensable work in public institutions and, in particular, teaching in schools.

To make a decisive contribution to the solution, Viessmann has developed Vitovent 200-P, a new air purification unit. These are unique hybrid ventilation units that permanently supply rooms with fresh air and simultaneously perform air purification. Permanent air circulation reduces aerosols and keeps closed rooms supplied with fresh outside air, providing students and teachers with the best possible protection against virus infection and increasing learning efficiency. Four of these units have now been installed in a Berlin school for the first time.

"As a 104-year-old family business, we are committed to creating living spaces for future generations," says Viessmann co-CEO Maximilian Viessmann. "Now we need to protect our children in the short term and in a pragmatic way to maintain a part of social life and large-scale access to education in these challenging times."

"A great device, thank you very much - the students and class leaders are thrilled," said Bettina von Arnim School Principal Stefan Welde. "Our school is very pleased and grateful to the Viessmann company for this generous donation of four permanently installed ventilation units," Stefan Welde continued. "With a total of 79 classrooms, it was clear to us that these units belonged in the busy Year 11 classrooms. The installation went very well, the installation location fits well into the rooms and the units provide their service silently."

A "thumbs up" was also given by student Tirzah Adjei, who attended the handover ceremony together with the head of the school and sports department, Kerstin Gaebel, teacher Dr. Dorothee Serries and district councilor Tobias Dollase.

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Vitovent 200-P uses the so-called displacement flow principle: by means of a fresh air supply at floor level and the body's own buoyancy current, direct and permanent air circulation is ensured. Consequently, stale air rises to the top, is then fed into the units and cleaned there before being fed back 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 in northern Hesse. Feedback from students and teachers has also been consistently positive.

In particular, the very quiet running of the unit and the comfortable indoor climate are positively highlighted - as is the elimination of frequent ventilation, which poses an additional health risk when outside temperatures are very low in winter, dries out the indoor air excessively and drives up energy consumption and CO<sub>2</sub> emissions in schools.

The units are easy and inexpensive to retrofit with the replacement of a window pane with an isopanel. They therefore offer the possibility of keeping heavily occupied common rooms and public facilities open despite a generally high risk of infection.

The Viessmann Group in cooperation with the Foundation had announced that it would donate the first 50 Vitovent 200-P air purification units, worth a six-figure sum, to schools and social institutions and assume the full cost of installation. In this way, the company is living up to its purpose "We create living spaces for generations to come" to a great extent.

At the beginning of the pandemic outbreak, Viessmann had already successfully demonstrated that the company was making a measurable contribution to social responsibility by developing and providing respirators, mouth-nose protection and disinfectants at short notice - all combined as "ViAid".

**Caption:**

District councilor Tobias Dollase, head of the school and sports department Kerstin Gaebel, Matthias Talkowsky, Vitovent project at Viessmann, teacher Dr. Dorothee Serries, student Tirzah Adjeh and principal Stefan Welde (from left).

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