

Stuttgart, 12 March 2019

## **FVS Eco<sub>2</sub>School 1000 – local school ventilation unit to meet the highest demands to air quality**

LTG Aktiengesellschaft offers a local ventilation solution for larger classrooms or seminar rooms in the FVS Eco<sub>2</sub>School 1000 façade ventilation unit. The requirements to air quality can be met with a single unit that collects fresh air right from the weather-protected façade opening. At the same time, it filters out fine dust and pollen with an F7 filter. Used-up air returns outside through the same opening. Since a ventilation grid is not needed, in contrast to central ventilation, there is no pressure loss during air transport through the building and the fire dampers required in a duct system are not necessary.

The FVS Eco<sub>2</sub>School 1000 supplies air-conditioned air at a nominal speed of 990 m<sup>3</sup>/h. With its integrated sound traps, it is silent even when running under full load. Energy efficiency is ensured by power-saving variable-speed fan drives and integrated heat recovery (heat recovery coefficient: 0.83). The internal "Connected Intelligence" control contributes to this as well by permitting time-controlled or demand-oriented operation. The patented FVS device concept permits independent control of the inlet air temperature without subsequent heating in winter. The control has an interface for a CO<sub>2</sub> sensor to adjust the air volume flow to the respective fresh air demand precisely in demand-oriented ventilation. Building control technology is not needed for this.



You can download a printable image via this [link](#).

### *The company:*

*LTG was founded in 1924 by Dr. Albert Klein. The first company specialized in HVAC products in Europe is still representing innovation, quality and dependability in all areas of air related technology.*

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