Let's realize
the potential of air
for a sustainable world

Decentralised ventilation unit for schools and nurseries

FVS Eco$_2$School

The FVS Eco$_2$School ventilation units improve people's ability to concentrate in classrooms, group rooms and meeting rooms by providing a controlled supply of fresh air all year round. At the same time, they ensure a pleasant, healthy indoor climate, maximum protection against infection and reduced levels of fine dust and pollen. The cost-effective and quick-to-install system, offers maximum flexibility in terms of installation (façade connection), integration into the building management system and even a simple plug-and-play solution.

- **High airflow rates of up to 950m³/h** with compact design and low noise level
- **Effective and comfortable air distribution** thanks to mixed and displacement flow
- **Energy-saving** thanks to highly efficient heat recovery of up to 83% and EC motor technology
- **Maximum architectural flexibility for all installation situations** for refurbishment and new builds
- **Modular complete system** with silencer unit and comfort air diffusers
- **Only one façade opening** for exhaust and outside air required
- **Proven school ventilation solution for over 15 years** on the international market

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Exposed Installation (FVS Eco$_2$School S)

Ceiling-integrated Installation (FVS Eco$_2$School DI)

Wall Mounted Installation (FVS Eco$_2$School W)

Sill Installation (FVS Eco$_2$School B)

FVS Eco$_2$School	Technical data | Features
Dimensions [L x W x H in mm]	3050 x 830 x 440 (FVS-DI)
Functions	Supply air, exhaust air, heat recovery, night ventilation
Air flow rate	up to 950 m^3/h
Heat recovery coefficient	up to 83 %
Electr. supply	up to 420 W
Sound pressure level L_{pA}	35 dB(A) at 900 m^3/h and 12 db room attenuation
Installation options	Visible ceiling mounting (S), recessed ceiling mounting (DI), wall and sill installation (W)
Air-distribution in the room	With high induction slot diffusers for the generation of a mixed and displacement flow
Reheater / Cooler	Operation without reheater and without condensate line possible all year round. Optional: Heating and/or cooling via air-water heat exchanger or only heating via electric reheater
Filtration	Integrated, high-quality fine dust filter as fresh air filter ePM1 80% (F9); exhaust air filter ePM10 55% (M5)
Controls	Demand-coltrol ventilation via CO_2-guided control, integration into building management system, via KNX, BACnet, Modbus

Ventilating

Filtering

WRG>80%

Heat recovery

Energy efficiency

APPROVED VDI 6022

Hygienic

Economic efficiency

APPROVED Ökodesign

Ecodesign

QR-Code to the product

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