

FRESH AIR FOR LEARNERS

PRESENCE TEACHING – SUSTAINABLY SAFE WITH TROX VENTILATION TECHNOLOGY

The school lessons in the coronavirus pandemic have shown how quickly the seemingly self-evident can become a daily challenge – for pupils, **teachers** and **parents** equally.

Now it is important to learn from these experiences and make our schools **safer for the future**.

This requires well thought-out technical solutions from **experienced manufacturers**.

As Germany's No. 1 provider of ventilation technology, we can offer you these solutions. With air purifiers and decentralised fresh air systems that ensure a good and safe learning climate in every room – without extensive structural interventions.

TROX X-CUBE SCHOOLAIR - DECENTRALISED VENTILATION UNITS



THE SUSTAINABLY SAFE SOLUTION FOR A GOOD LEARNING ENVIRONMENT

TROX X-CUBE SCHOOLAIR ensures the best room air quality at ideal room temperatures in classrooms, teachers' rooms and also in kindergartens by permanently supplying fresh air – energy-efficiently, quietly and with little installation effort.

OPTIMUM ANTI-VIRUS PROTECTION

A regular supply of fresh air is the surest way to prevent the spread of viruses in indoor air. Opening windows is only suitable for everyday use to a limited extent. TROX X-CUBE SCHOOLAIR ensures permanent air change even with closed windows and therefore effective virus protection – also against the coronavirus, including all known mutations.

A BETTER LEARNING CLIMATE

The mechanical ventilation works as quiet as a whisper. Noise from the outside is suppressed. In addition, the CO₂ content in the air is reduced. The pupils breathe in fresh, virus-free air. And are accordingly better concentrated and sick less often*.

IDEALLY TEMPERATURE-CONTROLLED FRESH AIR

TROX X-CUBE SCHOOLAIR ventilation units heat the supplied fresh air to the desired temperature. And thanks to efficient heat recovery, they consume only half as much electricity as a commercially available laptop.

ADJUSTABLE AS REQUIRED

Teachers can adjust the output directly in the room itself via the operator controls. For example, to increase the air performance during breaks with the "shock ventilation" function.

EASY TO RETROFIT

TROX X-CUBE SCHOOLAIR is a decentralised system. The device is mounted in the room concerned close to the external wall and supplied with fresh air via a small wall opening or a window lead-through.

In this way, you can **retrofit** TROX X-CUBE SCHOOLAIR in a demand-based manner with little effort – in **classrooms**, teachers' rooms or **daycare centres**.

TROX VENTILATION TECHNOLOGY FOR SCHOOLS: ALL X-CUBE SCHOOLAIR SOLUTIONS AT A GLANCE



TROX SCHOOLAIR

SCHOOLAIR-B

SCHOOLAIR-V

SCHOOLAIR-D

Working method	Ventilation/room temperature control	Ventilation/room temperature control	Ventilation/room temperature control
Setup/assembly	Assembly on an external wall	Vertical assembly on the facade	Assembly below the ceiling slab
Protection against viruses (including coronaviruses)	✓	✓	✓
Protection against pollen	✓	✓	✓
Reduction of the CO₂ content	✓	✓	✓
Low operating noise	✓	✓	✓
Ventilation	✓	✓	✓
Room temperature control with heat recovery	✓	✓	✓
Heating and cooling function	✓	✓	✓
Persons per device	up to 15	up to 15	up to 30
Dimensions L x B x H	2.100 x 740 x 403 mm	605 x 2.200 x 413 mm	3.555 x 405 x 1.030 mm

CLEAN AND HEALTHY INDOOR AIR



WITH TROX X-CUBE SCHOOLAIR AT PAUL SPIEGEL VOCATIONAL COLLEGE IN WARENDORF

The decentralised ventilation units of the X-CUBE SCHOOLAIR V type could be easily retrofitted thanks to their small spatial requirement. For this purpose, a narrow window element was exchanged for an air duct, the existing parapet was adapted to the unit height and finally a cladding was chosen to match the room concept.

X-CUBE SCHOOLAIR V ventilation units ensure virus-free air through permanent air exchange. At the same time, they reduce the CO₂ content and regulate the humidity. Integrated VOC sensors monitor the room air and automatically adjust the unit's performance – for optimal indoor air quality and a noticeably better learning environment.

WE ARE HAPPY TO ADVISE YOU.



GET IN TOUCH WITH US!

Tell us about your specific requirements or arrange a non-binding consultation.

Your TROX X-CUBE SCHOOLAIR ventilation team

E-mail: schullueftung-de@troxgroup.com

Telephone: 0 28 45 202-1111