TROX® TECHNIK
The art of handling air

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 SCHOOLAIR - DECENTRALISED VENTILATION UNITS

THE SUSTAINABLY SAFE SOLUTION FOR A GOOD LEARNING ENVIRONMENT

TROX 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 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 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 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 SCHOOLAIR in a demand-based manner with little effort – in **classrooms**, teachers' rooms or **daycare centres**.

TROX AIR PURIFIERS

THE FAST STAND-ALONE SOLUTION TO AEROSOLS CONTAMINATED BY VIRUSES

With the TROX AIR PURIFIER, you reduce the risk of transmission of viruses in insufficiently ventilated rooms to a minimum – without any complex installations. Simply set it up and switch it on.

SAFE AIR DISTRIBUTION

In the TROX AIR PURIFIER, the clean air is vented above head height. This creates a draught. It also prevent viruses from an infected person being distributed directly with the air being discharged in the room.

MINIMUM RISK OF INFECTION

The TROX AIR PURIFIER is equipped with a highly efficient H13 HEPA filteras it can also be used, for example, for air purification in operating theatres. This filter has an ideal separation efficiency of 99.95% – even for coronaviruses and their known mutations.

PROVEN SAFETY

The TROX air purifier was tested by a leading independent specialist for qualification and validation of clean room devices and the effectiveness was officially confirmed.

LOW POWER CONSUMPTION

The TROX AIR PURIFIER can be permanently operated without any concerns. Despite its high output, the device consumes less power on average than a 100-watt bulb.

QUIET OPERATION

The TROX AIR PURIFIER is quieter than any comparable device. In normal operation (1000 m^3/h air change rate), it is about as quiet as a computer fan – making it ideal for use in the classroom.

ALSO SUITABLE FOR LARGE ROOMS

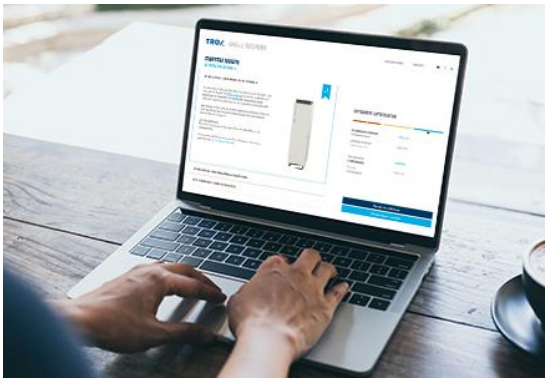
Up to 1,600 m^3 air can be filtered by the TROX AIR PURIFIER within an hour.

No other device of this class can do more!

This means that a single TROX AIR PURIFIER is sufficient to remove aerosols containing viruses, even from large rooms.

Find out more.

THE TROX HFS+V CALCULATOR



With the TROX HFS+V (hands, face, space + ventilation) calculator, you can easily determine whether sufficient infection protection is provided in your premises – based on the specifications of the leading associations of the air conditioning and ventilation industry.

CALCULATE YOUR VENTILATION REQUIREMENTS HERE!

AIR PURIFYING OR FRESH AIR?

Which is best for managing virus-contaminated aerosols ?

THE INDOOR AIR PROFESSIONALS

That's why you should choose TROX .

MAKE THE COMPARISON!

What you need to know before buying

TROX VENTILATION TECHNOLOGY FOR SCHOOLS: ALL SOLUTIONS AT A GLANCE

CLEAN AND HEALTHY INDOOR AIR

WITH TROX SCHOOLAIR AT PAUL SPIEGEL VOCATIONAL COLLEGE IN WARENDORF

The decentralised ventilation units of the 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.

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.

80% LESS SICK LEAVE

WITH THE TROX AIR PURIFIER AT JULIUS STURSBERG SECONDARY SCHOOL, NEUKIRCHEN-VLUYN

TROX AIR PURIFIERS have been in operation in several classrooms here since autumn 2020. The devices were set up, connected to the power and could be used immediately.

Pupils and teachers hardly notice the air purifiers in everyday school life. And still feel better protected. Because TROX AIR PURIFIERS reliably filter coronaviruses, as well as all other viruses and bacteria.

This reduces the risk of contracting infectious diseases. This is also indicated by the sickness rate, which was a full 80% lower than in the same period last year.