

Powerful air purifier removes 99.99 percent of Covid-19 virus

FrigorTec presents the Deviro, a mobile air purifier. In the highest of three selectable filter stages, the Deviro removes up to 99.995 percent of the coronavirus and particles from ambient air with an H14 HEPA filter.

With a noise emission level of 49dB, the device is very quiet, meaning the air purifier is suitable for use in offices and as well as workshops.

FrigorTec is headquartered in Amtzell near Ravensburg in Germany. The company specialises in air conditioning and filtering for highly complex industrial and commercial applications. According to FrigorTec its engineers developed the powerful air purifier during a development period of eight months.

Long-term protection

Professional air purifiers significantly reduce the risk of virus infection via aerosols, including SARS-CoV-2. A series of studies has proven this claim many times. They also eliminate other viruses and particles.

When purchasing an air purifier, two criteria are particularly important.

First, studies such as the one conducted by Münster University Hospital (UKM) in Germany in February 2021 show that for effective protection, air purifiers must be equipped with H14 HEPA filters. Second, the device must be capable of an air exchange rate greater than five times per hour in the room in which it is used.

The Deviro satisfies both criteria, according to

FrigorTec Managing Director Ralph Kolb:

“Deviro, our new air purifier, has three filter stages. In the highest stage, it fulfils the applicable standard for H14 filters with an air exchange rate of six times per hour in rooms of just over 100 cubic metres.”

Consequently – and due to its very quiet operation – as Mr Kolb says, “It is ideally suited for use in large conference rooms, training rooms, switchgear and technical rooms, canteens and classrooms.”

Operating costs are another criterion for air purifiers.

According to Kolb, in the medium term it always pays to procure a professional device: “In terms of costs, the device’s filter service life is key. As the H14 HEPA filter is not exactly cheap to replace, the price of a professional air purifier such as our Deviro will be amortised within 24 months as compared to supposedly more affordable devices.”

The new Deviro air purifier is available online at frigortec-shop.com. FrigorTec also offers interested companies, authorities and schools free consultation for planning and commissioning.

FrigorTec manufactures and sells solutions for grain cooling, crane air conditioning, hay drying, insect heat treatment and air purification. With service and sales locations in Germany and international subsidiaries, the manufacturer is active worldwide. Spun off from the cooling product segment of Sulzer AG in 2005, the company generates approximately Euro 18 million annually and currently has 60 employees.

