

Press release

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TBH filter and extraction systems **Effective solution against aerosols in dental practices**

STRAUBENHARDT - Aerosols have long been known as a risk factor in dental surgeries. Now the Robert Koch Institute, an independent German higher federal authority researching infectious diseases, also prioritizes extracting tiny particles in the air over individual protection as a protective measurement. The mobile filter and extraction systems by TBH GmbH in Straubenhardt, Germany are appropriate for this as they reliably clean the air in dentist's rooms. This specific air filtration can also neutralize incorrect wearing of mouth-nose protection or possible touching of surfaces without subsequent hand hygiene because when there are no aerosols in the air, they cannot settle on surfaces or be inhaled unintentionally.

Time is usually short, especially in dental surgeries. A quick, easy-to-use, quiet and mobile solution is required. In the past, patients and doctors primarily perceived the smell of aerosols as disturbing. Since Corona, the problem of the danger of small particles causing a potential infection has been omnipresent. Due to their work, dentists and their staff in particular are exposed to increased aerosol clouds. During water-cooled, high-speed drilling or removing dental plaque, the small particles inevitably spray into the air. Although doctors and staff wear facemasks and gloves, these would provide better protection if the number of particles in the room were at a minimum.

Regular ventilation can reduce the particle concentration in the room. However, particles in the micrometer range are so small that air currents whirl them up permanently, even if they have already settled on surfaces. Air filtration sucks up the particles, which remain in the system's filters. For effective capturing, the extraction must be placed as close as possible to the aerosol source so that almost no particles pass it.

The systems of the DF series by TBH GmbH are mobile, space-saving, equipped with a flexible extraction arm and are about as quiet as a dentist's drill. The extraction systems can be set up in a few simple steps and operated without prior technical knowledge. The company from the Black Forest has 25 years of experience in extraction technology and has been active in the medical market for more than ten years. Various certifications, such as the W3 and DGUV seal from the testing institute of the German statutory accident insurance, confirm quality "Made in Germany" and the expertise in filtering particles in the micrometer range. This works due to a special activated carbon / BAC mixture in the filters, which traps viruses such as corona, bacteria and aerosols.

Further information:

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Caption: Filter and extraction systems by TBH clean the air in dental practices.

Since 1992, TBH has been designing a healthy workplace environment free of harmful gases, foreign matter and dust. Our filter and extraction systems are used in a wide variety of production processes to protect people, the environment and the machinery. The products meet the highest quality standards and are certified with the required test seals in the industrial and medical sectors. Whether standard or individual needs, we have the right solution for every extraction or filter requirement - worldwide.

You can also access this press release from the Internet at:

<https://www.tbh.eu/en/news-events/press.html>

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