

Air technology as a system component in medical technology

Compamed 2026: ebm-papst showcases solutions for medical devices and retrofit projects

Increasing demands for energy efficiency, operational safety, and comfort are making medical applications more complex. Today the medical field requires holistic concepts that go beyond individual components. ebm-papst will be highlighting this approach at Compamed in Düsseldorf from November 16 to 19, 2026. In Hall 8A at Booth D02, the company will present solutions for medical devices as well as retrofit concepts for existing ventilation systems.

Taking a holistic view of applications

Whether it's ventilators, diagnostic imaging, laboratory equipment, or technical building systems in hospitals, ventilation technology performs numerous critical tasks for safety and overall function in medical technology. At the same time, demands are growing for lower noise levels while achieving greater energy efficiency and controllability. It is therefore crucial to optimally integrate aerodynamics, motor technology, and electronics into the respective application. Thanks to this systems expertise, ebm-papst supports manufacturers in designing medical devices that are efficient, reliable, and future-proof.

A prime example is the AxiForce series. These compact axial fans are suitable for applications requiring high airflow and low noise emissions. Typical areas of application range from CT and MRI systems to mammography equipment or laboratory and disinfection devices. By combining aerodynamically optimized fan technology with intelligent control, AxiForce ensures reliable cooling of sensitive components while also contributing to a comfortable environment for users and patients.

For applications with high airflow requirements, ebm-papst is also presenting the RVE45 radial fan. Thanks to integrated control electronics, airflow and pressure can be precisely regulated, making the solution particularly suitable for ventilators, alternating-pressure mattresses, and other medical applications where quiet operation and high reliability are required. The compact design also facilitates integration into device configurations where space is limited.

Retrofits ensure future-proofing

In addition to developing new products for the medical field, ebm-papst is at the forefront of meeting the growing demand to modernize existing infrastructure. Retrofit concepts featuring modern EC fans and FanGrid solutions enable hospitals and care facilities to efficiently update ventilation systems and design them to meet future requirements. As a system provider, ebm-papst supports such projects from analysis through implementation.

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Trade Press

Corinna Schittenhelm
Press Officer Germany
Phone: +49 7938 81-8125
Corinna.Schittenhelm@de.ebmpapst.com

Pascal Schöpf
Press Officer Germany
Phone: +49 7938 81-7006
Pascal.Schoepf@de.ebmpapst.com

David Smith
Press Officer Americas
Phone: +1 (860) 674-1515
David.Smith@us.ebmpapst.com

Corporate Communications

Hauke Hannig
Spokesperson
ebm-papst Group
Mobile: +49 171 36 24 067
Hauke.Hannig@de.ebmpapst.com

Katharina Eberhardt
Deputy Spokesperson
ebm-papst Group
Mobile: +49 171 12 92 032
Katharina.Eberhardt@de.ebmpapst.com

Media Contact

Phone: +49 7938 81-0
Presse@de.ebmpapst.com

<https://www.ebmpapst.com/de/en/newsroom/press-contacts.html>

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www.ebmpapst.com

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Image: Medical technology applications in many fields rely on airflow. Quiet and reliable fan solutions help ensure the safe and long-term operation of critical systems (examples: RVE45 on the left, AxiForce on the right).

Image	ebm-papst
Characters	approx. 2.300, including headlines and sub headlines
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About ebm-papst

The ebm-papst Group is the world's leading manufacturer of fans and motors. Since it was founded in 1963, the technological leader has set international industry standards with its core competencies in motor technology, electronics, digitalization, and aerodynamics.

ebm-papst offers sustainable, intelligent, and tailor-made solutions for virtually every requirement in ventilation and heating technology. ebm-papst sets the benchmark in almost all sectors, such as ventilation, air conditioning and refrigeration technology, heating technology, information technology, mechanical engineering, and medical technology.

In the 2025/26 financial year, the Group generated a turnover of 2.24 Billion euros. It employs just nearly 13,000 people at 30 production sites including in Germany, China, and the US, as well as around 50 sales offices worldwide.

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Pascal.Schoepf@de.ebmpapst.com

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Press Officer Americas
Phone: +1 (860) 674-1515
David.Smith@us.ebmpapst.com

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Hauke Hannig
Spokesperson
ebm-papst Group
Mobile: +49 171 36 24 067
Hauke.Hannig@de.ebmpapst.com

Katharina Eberhardt
Deputy Spokesperson
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Mobile: +49 171 12 92 032
Katharina.Eberhardt@de.ebmpapst.com

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