

Efficiency in food and energy processes

GEA Delbag filter solution offers microbiological protection

SepTex[®] filters against bacteria and mold

Under the name MULTISACK SepTex[®], GEA offers bag filters with antibacteriological properties. A special process provides the filter fleece of these products with antimicrobial protection – which makes them highly effective for hygienically sensitive areas of work such as medical facilities, processing of foods and beverages, as well as the pharmaceutical industry. The German product-testing and industrial-safety institute DEKRA has confirmed the capability of MULTISACK SepTex[®] to kill pathogens or to inhibit their proliferation. In this testing, DEKRA contaminated test sections of SepTex[®] filter fleece, 4 cm² in size, with *Candida albicans*, *Staphylococcus aureus*, and *Legionella pneumophila*. After 24 hours, there was no longer evidence of any of these pathogens. After only three hours, the concentration of *Staphylococcus aureus* had already fallen under the limit of detection. MULTISACK SepTex[®] bag filters are now available in Classes F5 and F7. In addition to its antiseptic action, this filter is also available in a fire-protection model – FireTex[®] – which does not develop smoke or form droplets. All of this means that these filters are effective for applications in which hygiene and safety are critical.



The hygiene test. Here, in an in-house hygiene test, GEA tested the antibacterial properties of the new filter material SepTex[®]. The solution at the left shows the effects with *Candida albicans* without the filter material; at the right, with the filter material.

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About GEA

GEA Group Aktiengesellschaft is one of the largest systems providers in the food and beverages industries and in energy production. Group sales in 2010 were more than 4.4 billion euros. As an internationally active technological enterprise, GEA Group has concentrated on process engineering and components for demanding production processes in a wide range of end-user markets. The Group generates around 70 % of its sales in long-term growth industries for food, beverages, and energy. As of 31 December 2010 the Group internationally employed more than 20,000 staff. In its business areas, GEA Group is among the leading companies on the market and in technological developments. GEA Group is listed on the German MDAX stock index (G1A, WKN 660200).