

Why choose Bekaert?

Our experience for your success

Bekaert is the pioneer in designing, developing and producing metal nonwoven media on an industrial scale. Our experience of over 40 years has given us the flexibility and technical know-how to provide you with a solution that perfectly matches your quality and performance requirements.

Protecting your investment

To deliver the best products to you, we have spent decades refining our total quality management system. Best practices across locations, divisions, continents and teams are continuously evaluated and measured again to ensure our quality. These efforts resulted in ISO9001 and ISO14001 certification for all our Bekipor® plants.

Customer-driven innovation

If there's a way for us to bring you to the next level, we'll find it. Because your designs and needs fuel our drive for innovation. We pursue a close cooperation to develop media solutions that benefit you and your end-customers. We also maintain productive partnerships with key industry players and invest heavily in innovation. Because of our capabilities and experience, we are the largest provider of standard and custom-made metal fiber media on the market today.

Our service has no borders

Would you like to know more about our products and services? Contact one of our experts in your area and they'll be happy to help you.

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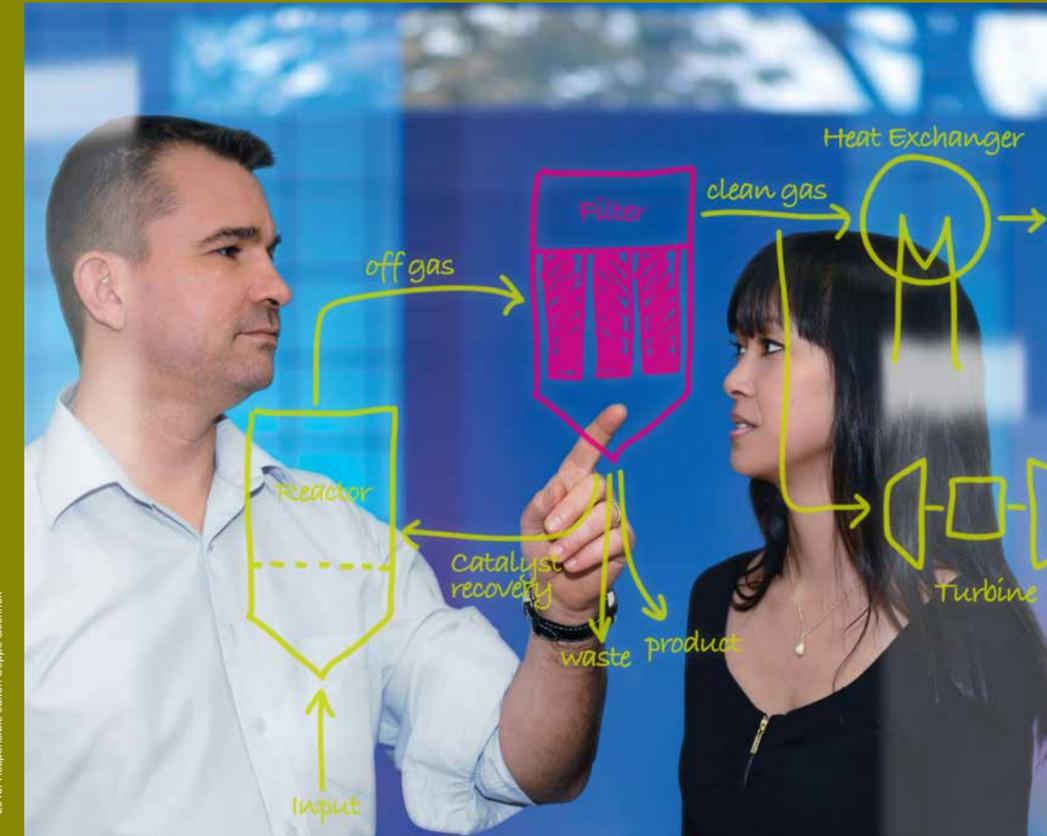
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Bekaert is a world market and technology leader in steel wire transformation and coating technologies. To be the preferred supplier of steel wire products and solutions, we consistently deliver superior value to our customers worldwide. Bekaert (Euronext Brussels: BEKB) was established in 1880 and is a global company with approximately 30 000 employees worldwide.

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Bekipor® porous metal fiber media for industrial gas filtration



The media solution for challenging filter applications

Bekipor® porous metal filter systems for industrial gas filtration

Bekipor® sintered metal fiber media features an extremely high porosity. It is designed to withstand high temperatures, high pressure and/or corrosive atmospheres in the gas or solid filtration of process and waste gases.

Bekipor® has proven to provide superior performance in emission control and gas purification applications such as fly ash gasification, process gas purification and HEPA.

Benefits

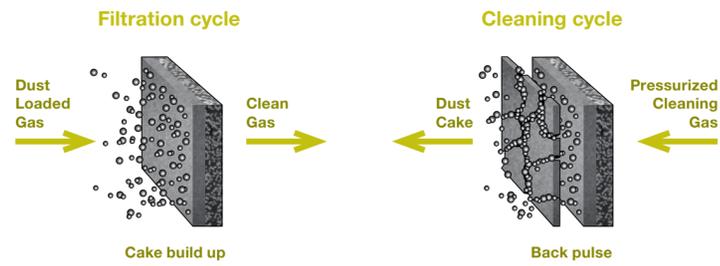
- high flow rates
- long on-stream life
- easy to clean
- easy to shape



Surface filtration

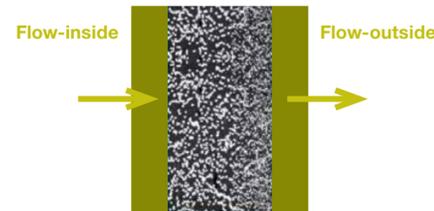
The unique structure of the Bekipor® steel fiber media allows a frequent and efficient back-pulsing at a low pressure drop, leading to longer on-stream cycles of your filter element.

The sintered membrane captures the particles to form a homogenous cake build-up, protecting your filter from clogging. When the elements are back-pulsed, the retained particles are easily released resulting in a stable low pressure drop.



Depth filtration

Bekipor® steel fiber media features an exceptionally high and effective permeability. The multi-layered structure of the media provides superior filtration efficiency, high contaminant holding capacity and low pressure drop increasing the on-stream lifetime of your element. Moreover, the filter elements can be easily cleaned off-line to be reused.



Discover the possibilities of Bekipor® fiber media

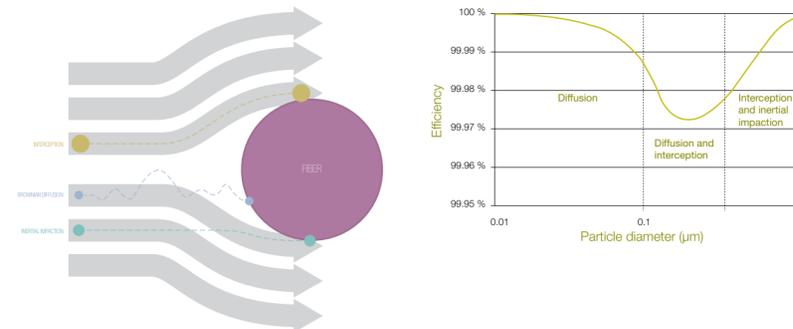
Thanks to its ability to filter very specific particles, very efficiently, Bekipor® is the filter medium of choice for applications that use very strict filtration requirements.

Some of its major uses include:

HEPA filtration

Bekipor®'s high porosity and permeability combined with very fine fibers enable an efficient filtration at low pressure drop at the level of the finest sub-micron particles. Featuring a high mechanical strength, thermal stability and chemical resistance, Bekipor® is the recommended medium for HEPA applications.

This medium is notably efficient in nuclear filter processes such as safety filters, ventilation systems and semi-conductors for technical gas purification. Unlike alternative materials this medium can be pleated, enabling you to reduce the size of the entire system.



Hot gas filtration

Able to resist temperatures up to 1000°C, Bekipor® features a very high thermal and mechanical resistance, making it appropriate for the filtration of hot gases in applications such as fly ash gasification or coal gasification, emission control and catalyst recovery.

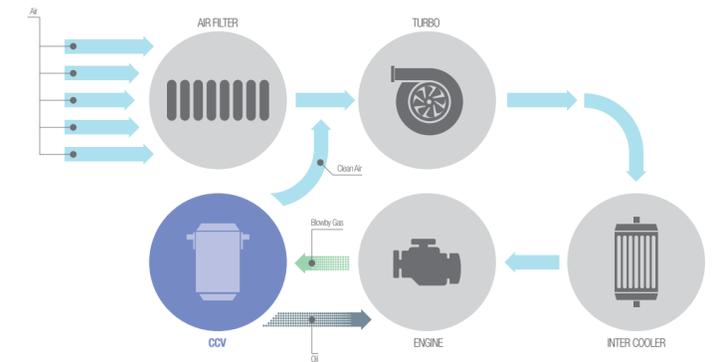
The unique media build-up enables an efficient filtration, allowing a stable, long-time use.



Demisting

The narrow spread of fiber diameters of the Bekipor® medium enables an efficient droplet growth and drainage in demisting applications. Its unique structure leads to an efficient collection and drainage creating low pressure drops. The alloys enable a long life span even under constant exposure to chemicals and high temperatures.

Because the medium can be pleated you can reduce the footprint of the entire system.



Bekipor® is able to separate the finest impurities at the lowest pressure drops. This makes the ideal demisting medium to filter fine oil droplets from venting gases produced by crankcases.