

The logo consists of a dark grey rectangle with a vertical red stripe on the right side. The word "BinNova" is written in white, italicized, sans-serif font.

BinNova

*Founded by
Jürgen C. Binzer*

BinNova Microfiltration

Air Filtration Media

The background features a light blue sky with soft, wispy clouds. At the bottom, there are several horizontal, wavy lines in a slightly darker shade of blue, creating a sense of movement or filtration.

Air Filtration Media

Air Filter Media manufactured by BinNova Microfiltration GmbH in our plant in Rudolstadt/Thuringia are made for HVAC, clean room air filtration as well for gas turbine applications and engine protection.



Fig. 1: Example of air filter system where BinNova Media is used

It is our competence to provide **high-performance** Air Filter Media you can trust. We market a variety of air filter media grades ranging from M6 to H14 according to EN779 and DIN ISO 1822. We also provide **custom-designed** filter media made of either glass microfibers, glass-synthetic fiber mixtures and synthetic fibers. With our **state-of-the-art** manufacturing technology, we are able to produce Air Filtration Media consisting of two different fiber mixtures upstream and downstream (Dual Phase Air Media) to provide long life at high filtration efficiencies.

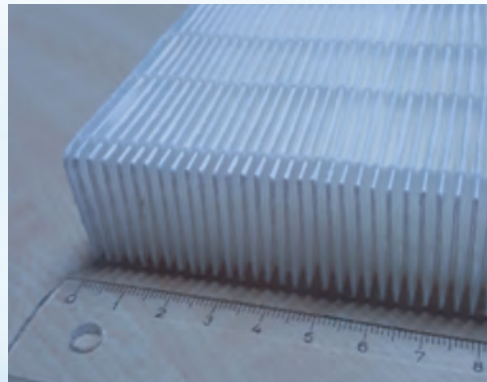


Fig. 2:
LEFT: BinNova Air Filter Media roll
RIGHT: pleated BinNova Air Filter Media



With our Dual Phase Air Filter Media manufacturing technology, we are able to **boost filter performance** such as dust holding capacity or air permeability.

By equipping the felt side (pre-filter) with pure synthetic fibers, BinNova Dual Phase Air Filter Media has a **protection layer** without lamination with a synthetic scrim.

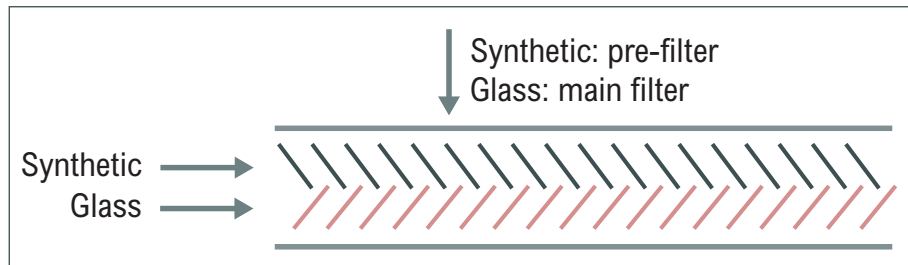


Fig. 3: Example of BinNova Dual Phase Air Filter Media with synthetic pre-filter as protection layer followed by glass or synthetic-glass mixture as main-filter for best filter performance

We may have the synthetic fibers in the pre-filter side and then the material is designed for best dust holding capacity and long life.

We may have the synthetic fibers in the main filter side and then the synthetic fiber layer has the function to trap loose glass fibers and prevent them from moving downstream. (**ToughAIR®**).

Synthetic fibers incorporated into the filter material (**SmoothAIR®**) make it more flexible and elastic. This is a key component for fast pleating and a long and mechanically stable life.

We also provide media with a lower base weight than market standard. It gives more m^2 per kg. These materials are thinner so that more pleats can be incorporated into a filter element. It helps to produce more efficient filter elements..

In order to develop exactly the air filter media which fits best to our customer's application, we care about media characterization. With our modern laboratories and measurement devices we are able to test filter media according to DIN ISO 1822, ISO 779 and ISO 16890.

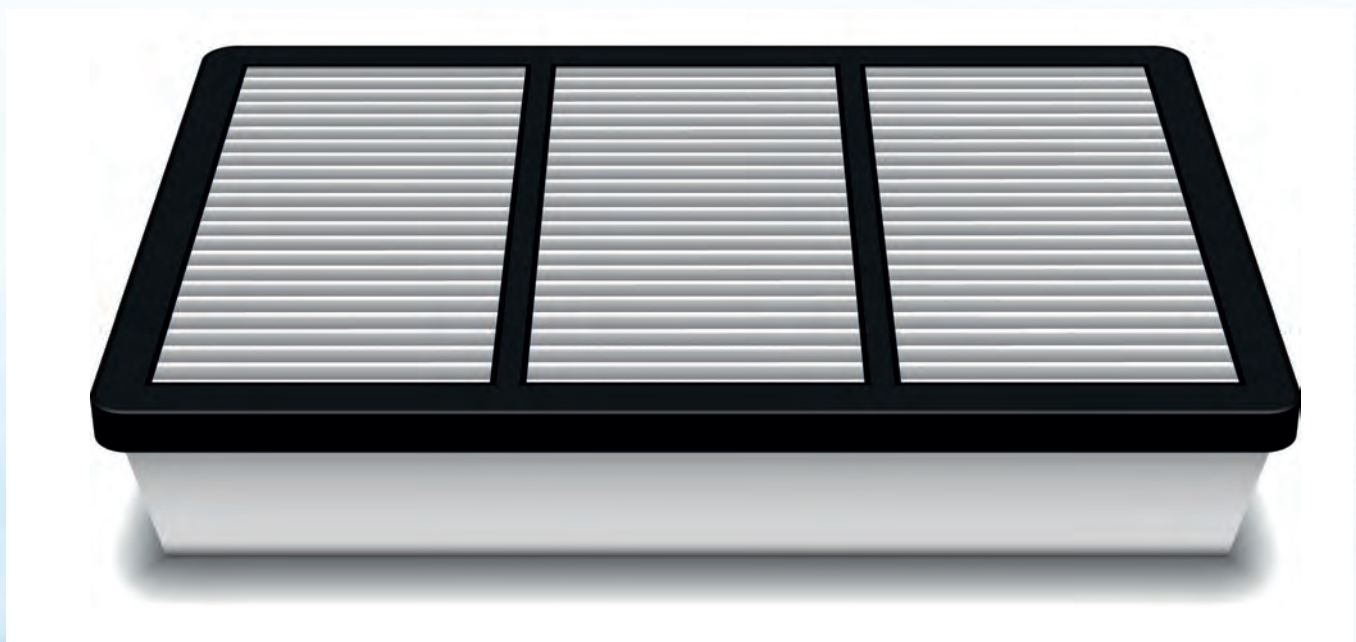


Fig. 4: Air filter element

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The background of the lower half of the page consists of several overlapping, wavy, translucent blue lines that create a sense of movement and depth.

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