

BinNova

*Founded by
Jürgen C. Binzer*

BinNova Microfiltration

Liquid Filtration Media



Liquid Filtration Media

Liquid Filter Media manufactured by BinNova Microfiltration GmbH in our plant in Rudolstadt/Thuringia are made for hydraulic and large transmission filter systems as well as for lube oil and fuel filtration applications.



Fig. 1: Examples of large transmission filter systems where BinNova Media are used

It is our competence to provide **high-performance** Liquid Filter Media you can trust. We market a variety of liquid filter media grades ranging from 3 to 50 μm , but also develop **custom-designed** filter media made of either pure glass microfibers, glass-synthetic fiber mixtures and synthetic fibers. With our **state-of-the-art** manufacturing technology we are able to produce Liquid Filter Media consisting of two different fiber mixtures upstream and downstream (Dual Phase Liquid Filter Media) to provide long life at high filtration efficiencies.

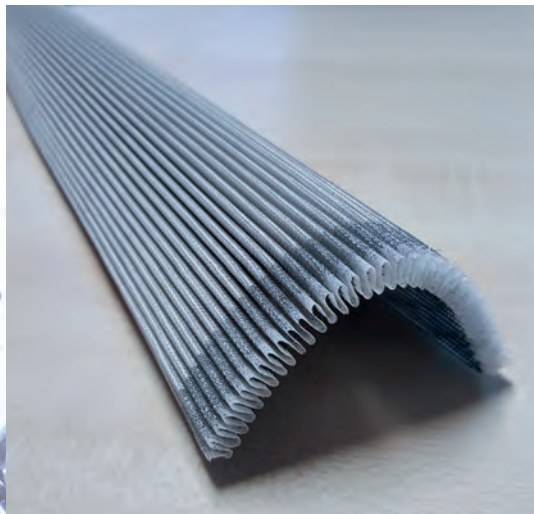


Fig. 2:
LEFT: BinNova Liquid Filter Media roll

RIGHT: pleated BinNova Liquid Filter Media

With our Dual Phase Liquid 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 Liquid Filter Media do have a **protection layer** without further lamination with a synthetic scrim.

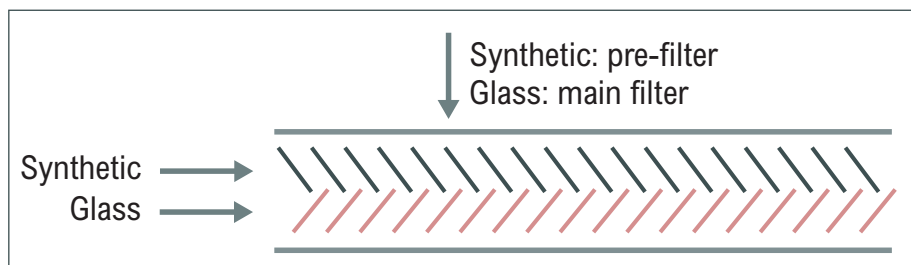


Fig. 3: Example of BinNova Dual Phase Liquid Filter Media with synthetic pre-filter as protection layer followed by glass or synthetic-glass mixture as main-filter for best filter performance

With synthetic fibers in the main-filter and in-situ thermal bonding BinNova Dual Phase Filter Media with a **support layer** are available, which are easy to pleat or process. Synthetic fibers in the main-filter layer prevent glass fibers from moving downstream (no glass release!).

In order to develop exactly the Liquid 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 ISO 16889, ISO 19438 and ISO 4548-12.

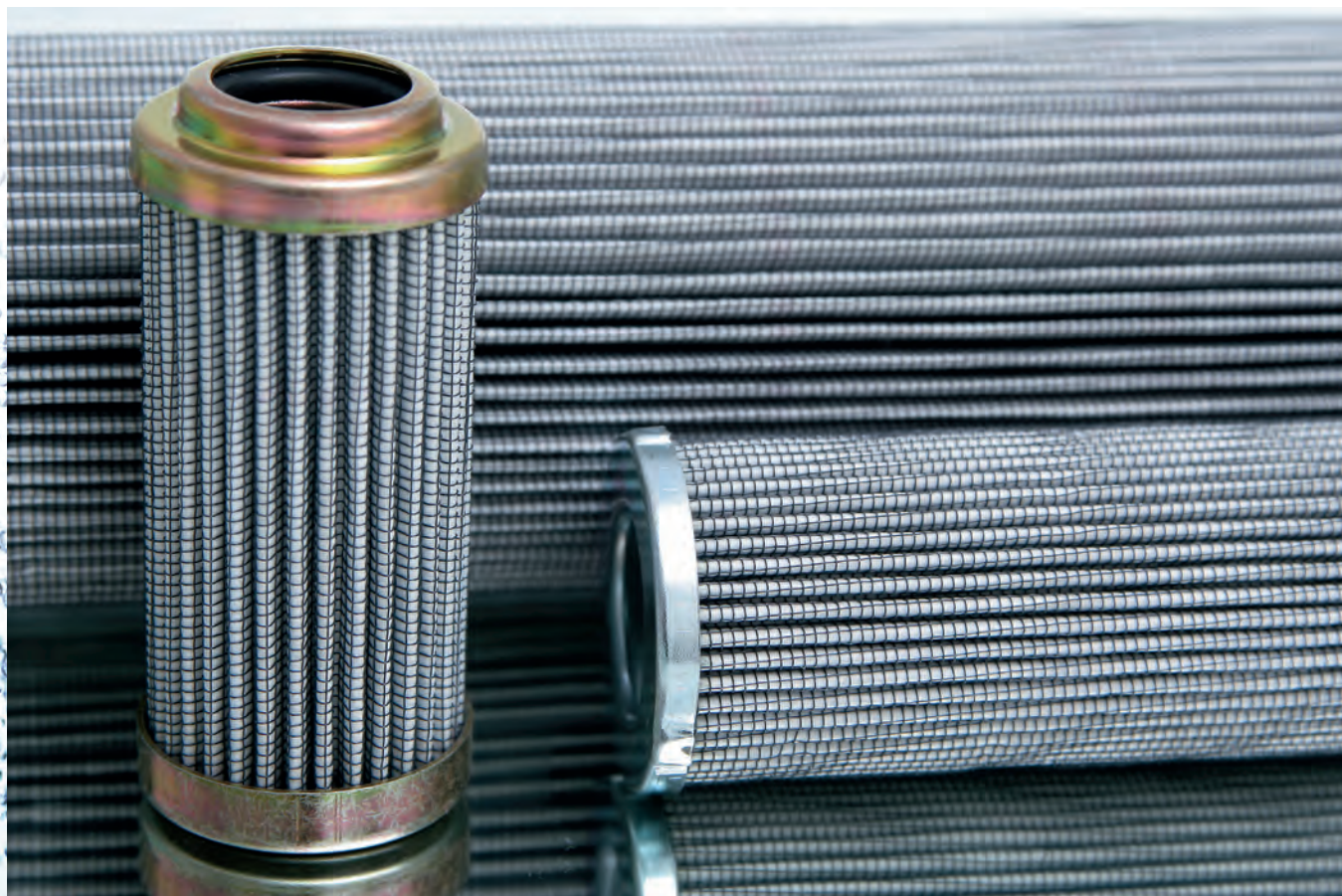


Fig. 4: Liquid filter element

The background of the entire page is a high-resolution photograph of numerous water bubbles. The bubbles vary in size, with some being large and prominent in the foreground, and many smaller ones scattered throughout. They are set against a light blue, slightly hazy background, giving the impression of water being agitated or filtered.

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