

**BinNova**

*Founded by  
Jürgen C. Binzer*

# BinNova Microfiltration

Coalescence Media



# Coalescence Media

**Coalescer Media** manufactured by BinNova Microfiltration GmbH in our plant in Rudolstadt/Thuringia are made for air oil separation, compressed air purification, emulsion mist and droplet separation out of industrial gases as well as for drops out of liquids, such as oil/water or fuel/water mixtures.



Fig. 1: Examples of coalescer elements, large transmission and utility vehicles using BinNova Media

It is our competence to provide **high-performance** Coalescer Media you can trust. We market a variety of media ranging from 45% to 99,99% (initial efficiency), but also develop **custom-designed** media made of either pure glass microfibers, glass-synthetic fiber mixtures. With our **state-of-the-art** manufacturing technology we are able to produce Coalescer Media consisting of two different fiber mixtures upstream and downstream (Dual Phase Media) as well with a gradient structure to provide long life and high efficiency media.

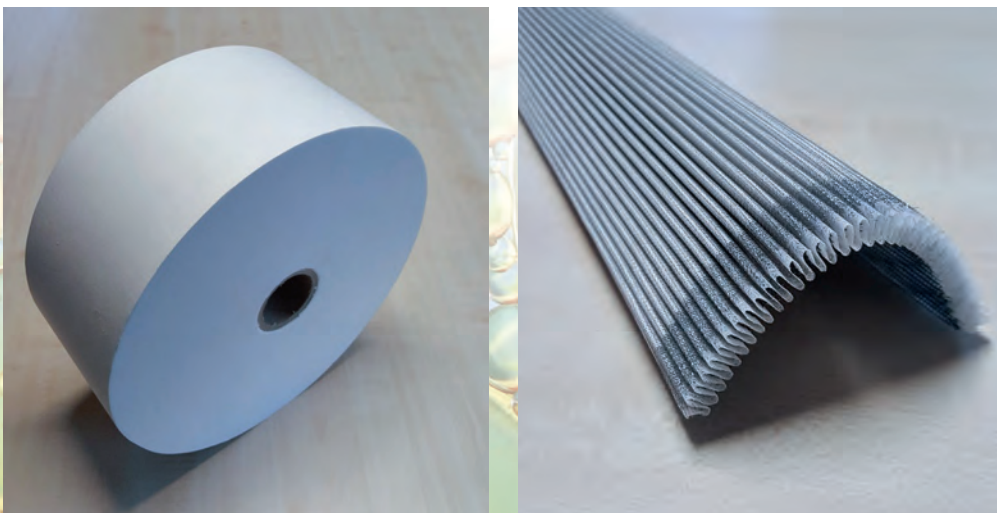
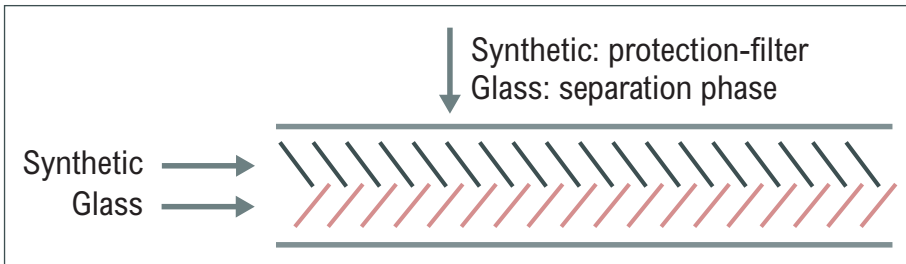


Fig. 2:  
LEFT: BinNova Filter Media roll  
RIGHT: pleated BinNova Coalescer Media

With our Coalescer Media manufacturing and coating technology we are able to **boost separation performances**, such as air permeability or low long-term pressure drop across the filter media.

By equipping the upstream side (pre-filter) with pure synthetic fibers, BinNova Dual Phase Coalescer Media do have a **protection layer** without further lamination with a synthetic scrim.



**Fig. 3: Example of BinNova Dual Phase Coalescer Media with synthetic phase as protection layer followed by glass or synthetic-glass mixture as separation layer (downstream side) for best filtration performances**

BinNova Coalescer Media are manufactured with our advanced coating technology, thus we are able to adapt your needs and help to reach outstanding separator performances.

In order to develop exactly the Coalescer 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 separation media for steady state pressure drop, initial efficiencies and media saturation.



**Fig. 4: Separator element**



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