

PulseShield™ technology

THE CENTRAL COMPONENT

The filter element and its structure are the crucial components of a fluid filter. While any market competitors often resort to cheap and inferior materials, they usually also buy from the same suppliers. Filtration Group Industrial, however, takes a different approach: filter materials are developed in close cooperation with selected manufacturers, some of whom are also members of Filtration Group Corporation.

The secret of outstanding filter performance lies essentially in the following features:

- High-quality installed filter materials
- Composition of filter materials based on 60 years of experience in the filter industry on the part of FGI
- Availability: The full filter area can be used efficiently over the entire service life



COMPETITOR
WITHOUT PULSESHIELD™



FGI ELEMENT
WITH PULSESHIELD™



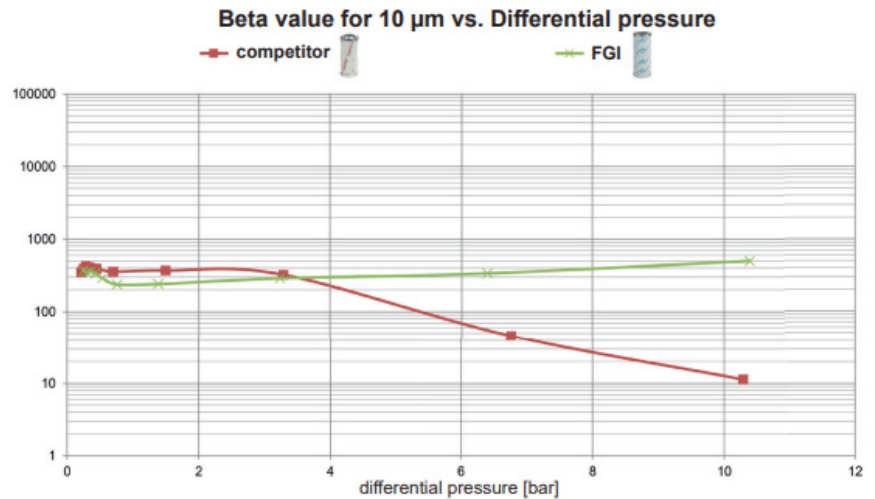
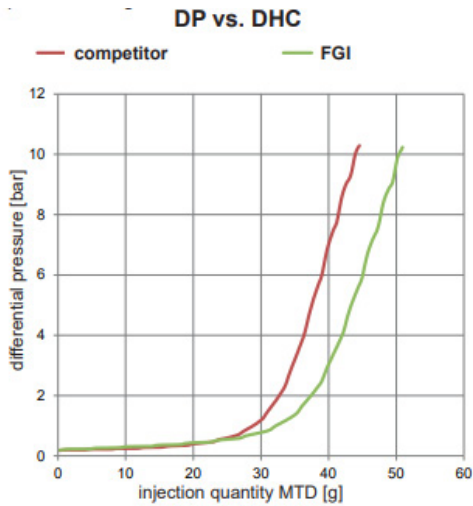
FG PulseShield technology
Picture source: Filtration Group Industrial

THE ADVANTAGES

- Pressing of the pleat star to the inner tube
- Uniform separation even with increasing differential pressure
- Increased stability of the pleated star in case of pulsating volume flow
- Reduced blocking of the pleats when the differential pressure increases
- Increased protection of the filter elements against backflow

Patented technology

The FGI PulseShield™ technology works to prevent the formation of wrinkle blocks. The outer jacket is placed over the pleat star and held firmly in place by thermal shrinkage, mechanically securing the pleat tips. This process prevents uneven dirt loading and ensures unrestricted use of the filter area throughout the life of the filter element.



Filtration Group Industrial has a patented process that ensures the uniqueness of this technology. None of the competitors in the market has ever this function or a comparable one in filter elements. This is evident when comparing Filtration Group Industrial filter elements to other products on the market. (see above diagrams)



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