

Smart Brief

BHA® Protura® SB Outperforms Conventional Spunbond Polyester



Available in pleated filters up to 2 meter long

We are at the forefront of technology and innovation; we develop and manufacture proprietary filter media technologies using our advanced research capabilities to ensure the latest developments are in our filters. ProTura SB, the most advanced nanofiber filtration technology is available in our PulsePleat® filter elements. ProTura SB is a 100% synthetic base media with a proprietary nanofiber layer applied to the collection surface that's ready to take on the most demanding applications.

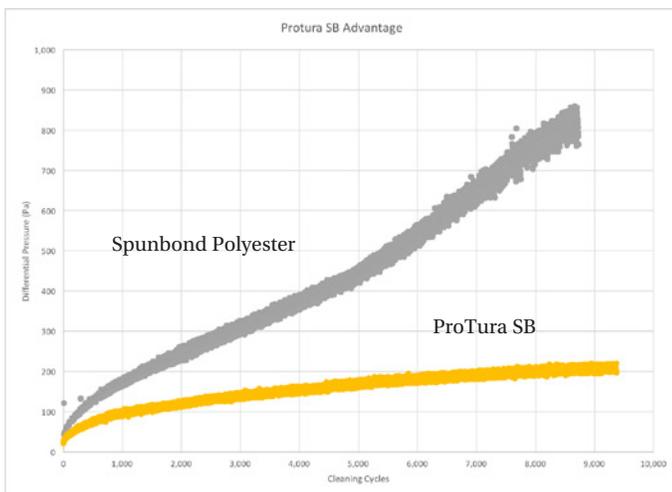
Protura SB advanced nanofiber filtration technology is proven to achieve:

- Higher efficiency and greater energy savings than spunbond polyester filter media
- Lower average differential pressure over the life of the filter
- Nanofiber layer that is durable against abrasive particulate
- Longer filter life

The Data Tells the Story.

Higher Efficiency and More Energy Savings.

Surface loading is the key, ProTura SB advanced nanofiber filters feature an advanced nanofiber layer of synthetic fibers so extremely fine; they are measured in fractions of a micron (nanometers). This ultra-thin layer traps dust on the surface of the filter before it can embed deeper in the media – leading to better cleaning efficiency with fewer pulses and significantly less compressed air use.



A much lower operating differential pressure over the life of the filters is achieved because the ProTura SB nanofiber layer sheds the dust easily when the filter pulses.

ASTM D6830-02 Testing

ProTura SB nanofiber technology stabilized at a much lower pressure drop than conventional spunbond polyester media. The operating differential pressure of a cartridge (or dust collector) is determined by two factors both of which may reduce air permeability.

- The nature of the dustcake (thickness, density, moisture, etc.)
- The amount of particulate that is trapped in the depth of the filter media

ProTura SB with an advanced nanofiber layer traps dust on the surface of the filter preventing the base media layer underneath from loading with dust. When the filter pulses the ProTura SB nanofiber layer sheds the dust easily resulting in a much lower operating differential pressure over the life of the filters.

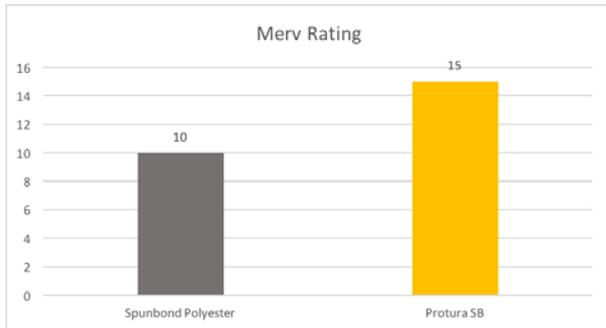


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Cleaner Air.

Our ProTura SB advanced nanofiber filters are more efficient in capturing sub-micron particles than conventional pleated filter media options. Conventional pleated filters are not capable of effectively capturing sub-micron particulate.



ASHRAE 52.2 MERV Rating

ProTura SB nanofiber technology is 85% efficient at removing particulate in the 0.3 – 1.0 micron range. ProTura SB nanofiber technology carries a MERV 15 rating base on ASHRAE Test Standard 52.2.

* Minimum Efficiency Reporting Value (MERV) is based on ASHRAE Standard 52.2-1999, and has been deemed the most accurate scale for determining a filter's efficiency and ability to filter submicron dust particles. The MERV 15 efficiency has been tested per this standard by independent lab testing.

Parker Media:

SB Nano – PE1017 - 100% synthetic base media with Protura SB advanced nanofiber layer

