

Clearing The Air

October, 2008

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Volume 908

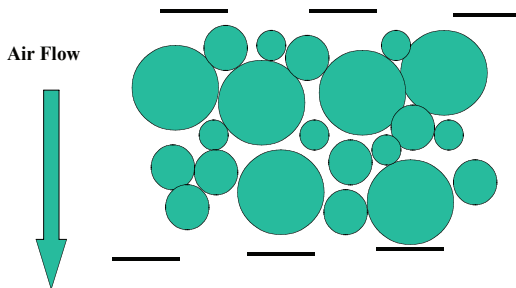
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PSC Introduces Multi-Layered Micro-Fiber Technology

Fiber-Lite™

Standard polyester bags are woven with a needling process that creates a mix of large and small pores throughout the filter media. The heterogeneous mix of pore sizes allows dust particles of all sizes to pack against each other to a point where imbedded dust can inhibit cleaning and reduce bag life. Pressure drop increases at a faster rate with standard polyester felt bags due to dust imbedding in the media, shortening bag life and forcing more frequent bag changes.

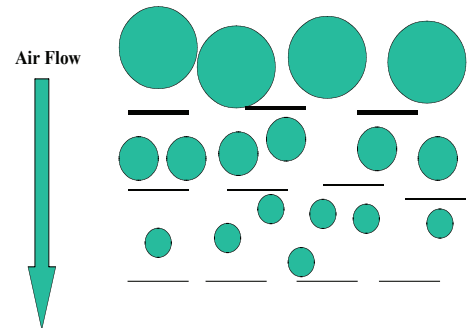
Dust Particles Collected with Standard PE Felt



Fiber-Lite is different. Fiber-Lite is made by layering three distinct size polyester fibers---- from small to smallest-- -- into a composite material. Fiber-Lite is directional from larger openings to smaller.

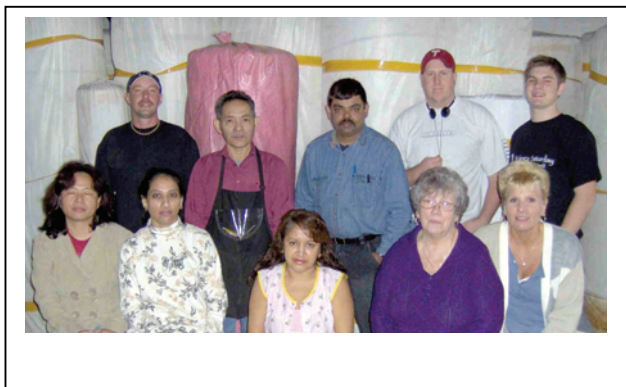
Consequently, dust particles captured by Fiber-Lite are retained in stratified layers going from larger to smallest. This segregation of particles into distinct layers minimizes packing among the particles and reduces pressure drop that is the primary cause of reduced bag life. It's this unique feature that gives Fiber-Lite it's superior filtering capability and 50% longer life than standard felt bags.

Dust Particles Collected on Fiber-Lite



Let the Good Times Roll

PSC is proud to be celebrating 15 years in the filtration fabrics business. From day one, our employees have been dedicated to management's commitment to excellence and superior customer service. As part of the Bay Street Group, we now have a worldwide presence with production facilities on two continents.



Process Systems & Components provides a full range of branded and generic filtration fabrics to the dust collector industry.

POLYESTER - available in woven or felt, this product is the most widely used media for dust collection, it is capable of operating up to 275 F (135 C).

POLYPROPYLENE - available in woven or felt, this product provides enhanced chemical and moisture absorption resistance, it is capable of operating up to 200 F (94 C).

HOMOPOLYMER ACRYLIC - available in woven or felt, this product provides chemical resistance similar to polypropylene while allowing operation up to 250 F (121 C).

COTTON - available in woven media only, this product is most commonly used in shaker collectors operating as silo vents, capable of operating up to 180 F (82 C).

ARAMID (Conex ®, Nomex ®) - available in woven or felt, this product performs at high temperatures while retaining strength, abrasion resistance, and dimensional stability, capable of operating up to 400 F (204 C).

PPS Ryton ®, Torcon ®, Procon ® - available in woven or felt, this product provides chemical resistance similar to polypropylene and acrylic while allowing operation up to 375 F (190 C).

P-84 ® - available in woven or felt, this product was designed to provide enhanced efficiency and maximize airflow while allowing operation at temperatures up to 500 F (260 C).

Process Systems Brands

- ❑ **MEMBRANE RZ ®**-all the above fabrics are available with our own PTFE laminate. This product provides the maximum chemical resistance available in bag filtration today, capable of operating up to 500 F (260 C).
- ❑ **FIBER-LITE ®**-Multi-Layered, high filtration needle felt made from micro-fibers. Provides higher filtration and longer life than standard felts.
- ❑ **COBO-ROBO ®**- Static-dissipating needle felts.

PSC Named “Bay Friendly Business” by Long Beach Island Foundation of Arts & Sciences.

This month, The Long Beach Island Foundation of the Arts and Sciences honored PSC as a Bay Friendly Business. The honor sited PSC’s work in protecting the environment and its financial support of the Foundation’s “Save Our Bay” program.