



Cartridge Style Dust Collectors

Donaldson Membranes is a leading worldwide manufacturer of ePTFE membranes. We are a technology-driven company committed to satisfying customer needs through innovative research, development and continuous product improvement with production and sales offices located throughout The United States, Europe and Asia.

Donaldson places great emphasis on high quality manufacturing, customer service and has been accredited ISO/9001:2000, a testament to our high standards.

The unique microstructure of Tetratex[®] ePTFE membrane comprises millions of small randomly connected fibrils that render an effective pore size many times smaller than can be seen by the naked eye. The result: Tetratex media collects very fine particles while allowing air to freely permeate the membrane.

Tetratex is a surface filtration ePTFE membrane and it can be laminated to a variety of non-woven spunbonded substrates. It acts as a primary dust cake requiring no precoat before operation. By limiting the particle penetration, Tetratex preserves the filter substrate integrity, while maintaining optimum airflow at a reduced pressure drop.

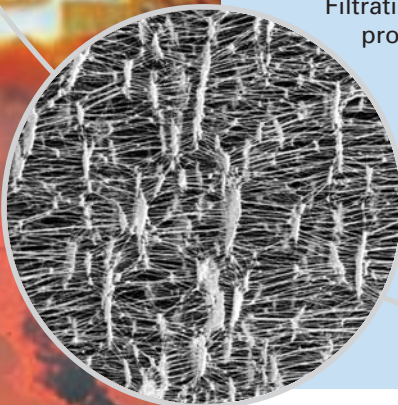
Product Construction

Tetratex expanded ePTFE can be laminated to a variety of spunbonded pleatable substrates for use in pleated filter elements.

Application

Filter baghouse retrofits, dust/product collection and air pollution control devices for environmental protection.

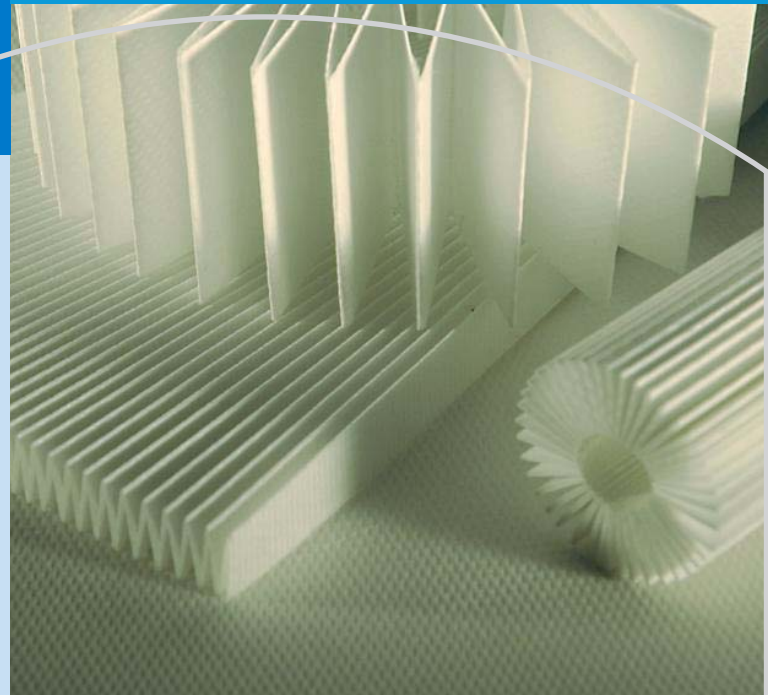
Filtration systems used in work place safety, system protection and product recovery.



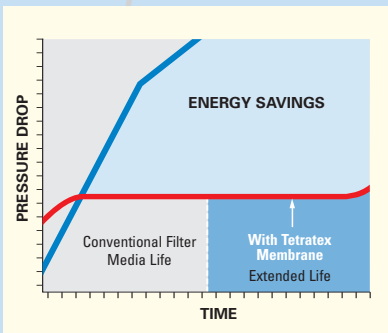
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Features and Benefits

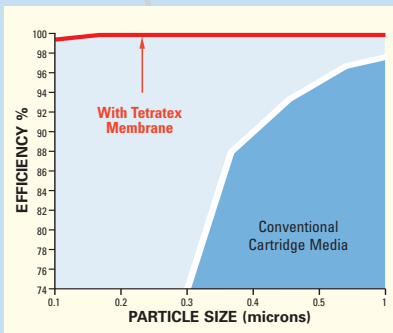
- Near zero emissions meet the required regulatory standards
- Exceptional dust cake release allows for higher airflow and reduced pressure drop
- Increased filter element life and less frequent cleaning delivers lower maintenance costs
- Reduced pressure drop resulting in energy savings
- Decreased capital and operational costs lead to increased profitability.



Pressure Drop



Cartridge Media Efficiency



Typical Industries

Mineral

- Cement
- Lime
- Gypsum

Food/Pharmaceutical

- Spray Dryer
- Milling
- Grinding

Chemical

- Carbon Black
- TiO₂
- Pigments

Metal

- Lead Oxide
- Iron & Steel Furnace

Energy

- Boilers
- Incinerators



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Printed in the United States
Publication Code: CDC:07-Revision 1



ISO 9001:2000
FM 90608