



# Baghouse 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 collects very fine particles while allowing air to freely permeate the membrane.

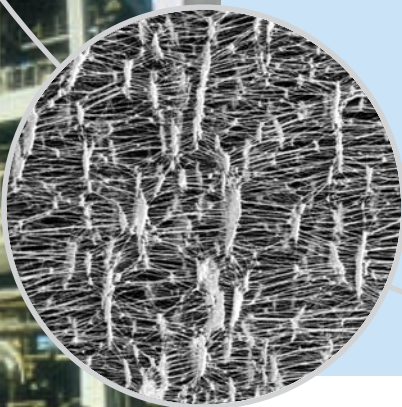
Tetratex is a surface filtration ePTFE membrane, laminated to woven material and needlefelts. It acts as a primary dust cake requiring no pre-coat before operation. By limiting fine particle penetration Tetratex preserves the filter substrate integrity, while maintaining optimum airflow at a reduced pressure drop.

## Product

Tetratex ePTFE membrane can be laminated to a variety of woven needlefelt substrates for use in filter bags.

## Applications

Bag house retrofits, dust/product collection and air pollution control devices for environmental protection. Filtration systems used in work place safety, system protection and product recovery.

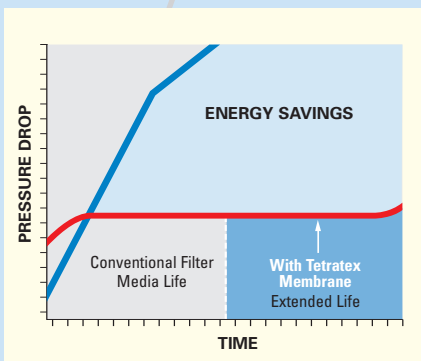


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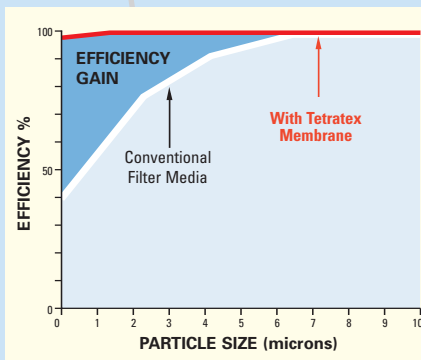
## Features and Benefits

- Near zero emissions meet the required regulatory standards
- Exceptional dust cake release allows for higher airflow and reduced pressure drop
- Increased bag 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



## Filtration Efficiency



## Typical Industries

### Mineral

- Cement
- Lime
- Gypsum

### Food/Pharmaceutical

- Spray Dryer
- Milling
- Grinding

### Chemical

- Carbon Black
- TiO<sub>2</sub>
- Pigments

### Metal

- Lead Oxide
- Iron & Steel Furnace

### Energy

- Boilers
- Incinerators



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ISO 9001:2000  
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