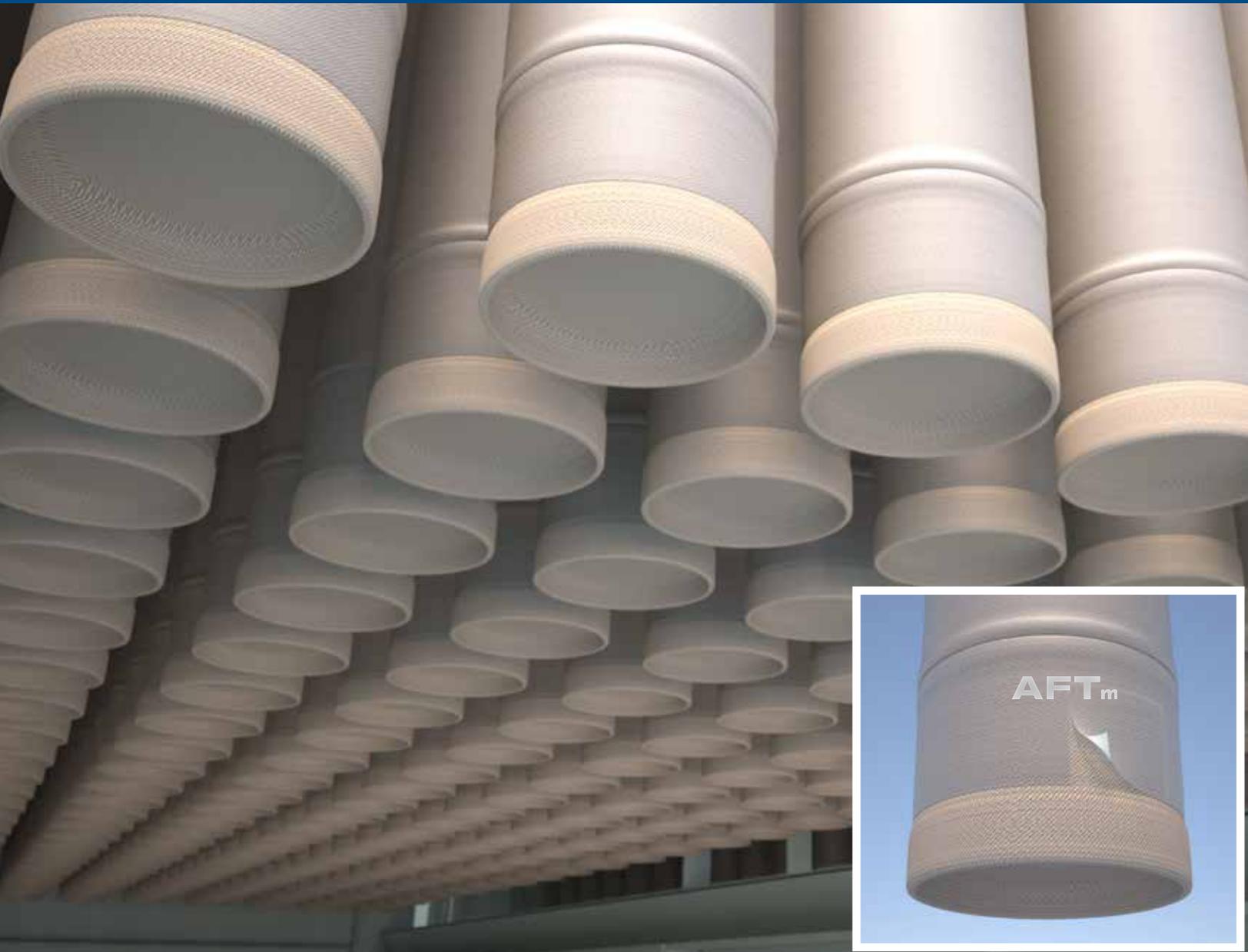


One Source

AFT^m™ ePTFE membrane filter bags



FLSMIDTH
AFT

**AFTm ePTFE
membrane filter
bags successfully
in service in more
than 36 countries**



Performance filter bags



FLSmidth AFT R&D program engineered our custom filter media through years of lab and field testing. Our unique combination of fiber construction and chemical finishes has proven to deliver first in class durability, cleanability and emissions compliance.

FLSmidth AFT manufactures AFTm ePTFE membrane filter bags for all type of baghouses from its world-class facility in Evans, Georgia USA and Chennai, India. Its state-of-the art manufacturing equipment, fabrication techniques and many years of experience in the manufacture and application of ePTFE membrane filter bags assure the highest quality possible, long bag life and performance. Engineers review every individual customer order to ensure proper bag-to-cage fit, taking in consideration the specific process requirements and features of the filter media and equipment. A proper fit and fabrication are paramount in obtaining the longest possible service life.

Benefits of AFTm ePTFE membrane

- Lower differential pressure
- Higher throughput
- Most efficient in capturing submicron particulate
- Less bag cleaning to reduce compressed air usage
- Longer bag life

AFTm ePTFE membrane

The membrane lamination serves as a primary filter surface allowing air to pass through while the fine particulate is collected. The membrane allows for excellent release and low particle retention, keeping the filter bags clean for longer life.



Fiberglass filter media – best performance for applications up to 500°F (260°C) with excellent moisture and chemical resistance



Your partner in environmental compliance

FLSmidth AFT is much more than a filter bag manufacturer. AFT has the application knowledge to develop a total compliance strategy



FLSmidth's R&D Centre Dania, the largest in the industry



Meet environmental regulations

FLSmidth AFT engineers have extensive field experience in all industries and applications worldwide including cement, minerals, utilities, metals, chemicals and carbon black. FLSmidth AFT works with customers to develop a total strategy to ensure compliance with environmental requirements such as:

- ✓ **NESHAP** (National Emission Standards for Hazardous Air Pollutants)
- ✓ **MATS** (Mercury and Air Toxics Standards)
- ✓ **MACT** (Maximum Achievable Control Technology Compliance)
- ✓ **CISWI** (Commercial/Industrial Solid Waste Incinerators)
- ✓ **IPPC** (Integrated Pollution Prevention and Control) – European Union.

Meet PM_{2.5}

AFTm ePTFE membrane filter bags meet and exceed PM_{2.5} environmental regulations. AFTm membrane has been tested and it is the best available filter media technology for filterable dust particulate efficiency for baghouse systems. Test results can be provided by request.

Advanced research

FLSmidth operates state-of-the-art laboratories in Evans (USA) and Dania (Denmark). Cleaning efficiency, internal bag pressure, emissions and bag lifetime are tested at multiple levels in a 28 - 10m filter bag unit.

Comprehensive strategy

Today, plants are increasing capacity and forced to reduce particulate emissions and chemistry. This leads to a high focus on investments in new and optimized technology.

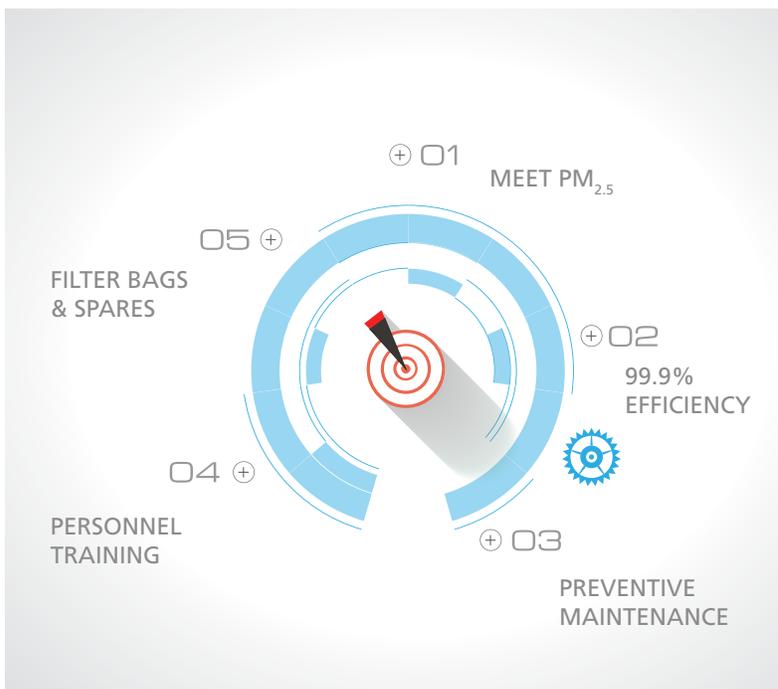
For our customers to overcome these challenges we develop a total strategy including a preventive program, personnel training and supply of filter bags and spare parts.

The implementation of optimized technology such as ePTFE membrane filter bags is not only beneficial for environmental compliance but also improves the overall operation delivering higher throughput and energy savings.

Contact us today for more information

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AFTm ePTFE membrane filter bags are part of the comprehensive strategy to achieve environmental compliance



Substrate Selection Chart*

Fiber	Maximum Temperature	Acid Resistance	Alkali Resistance	Abrasion Resistance	Flex Resistance
Polypropylene	212°F (100°C)	Excellent	Excellent	Excellent	Very Good
PAN (Acrylic)	260°F (126°C)	Good	Average	Good	Very Good
Polyester	275°F (135°C)	Fair	Fair	Excellent	Very Good
PPS	374°F (190°C)	Very Good	Very Good	Very Good	Very Good
Aramid	392°F (200°C)	Fair/Poor	Good	Excellent	Excellent
Polyimide	473°F (245°C)	Good	Fair	Good	Good
PTFE	500°F (260°C)	Excellent	Excellent	Fair/Poor	Good
Fiberglass	500°F (260°C)	Good	Fair	Average	Average

*The data shown and statements made in this document are representative properties and characteristics. Actual results may differ, depending on use. FLSmidth Inc. – AFT Operations makes no warranty, express or implied, concerning results which may be obtained by using the above filter media products.



LEARN MORE AND CONTACT
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MEMBRANE FILTER BAGS
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