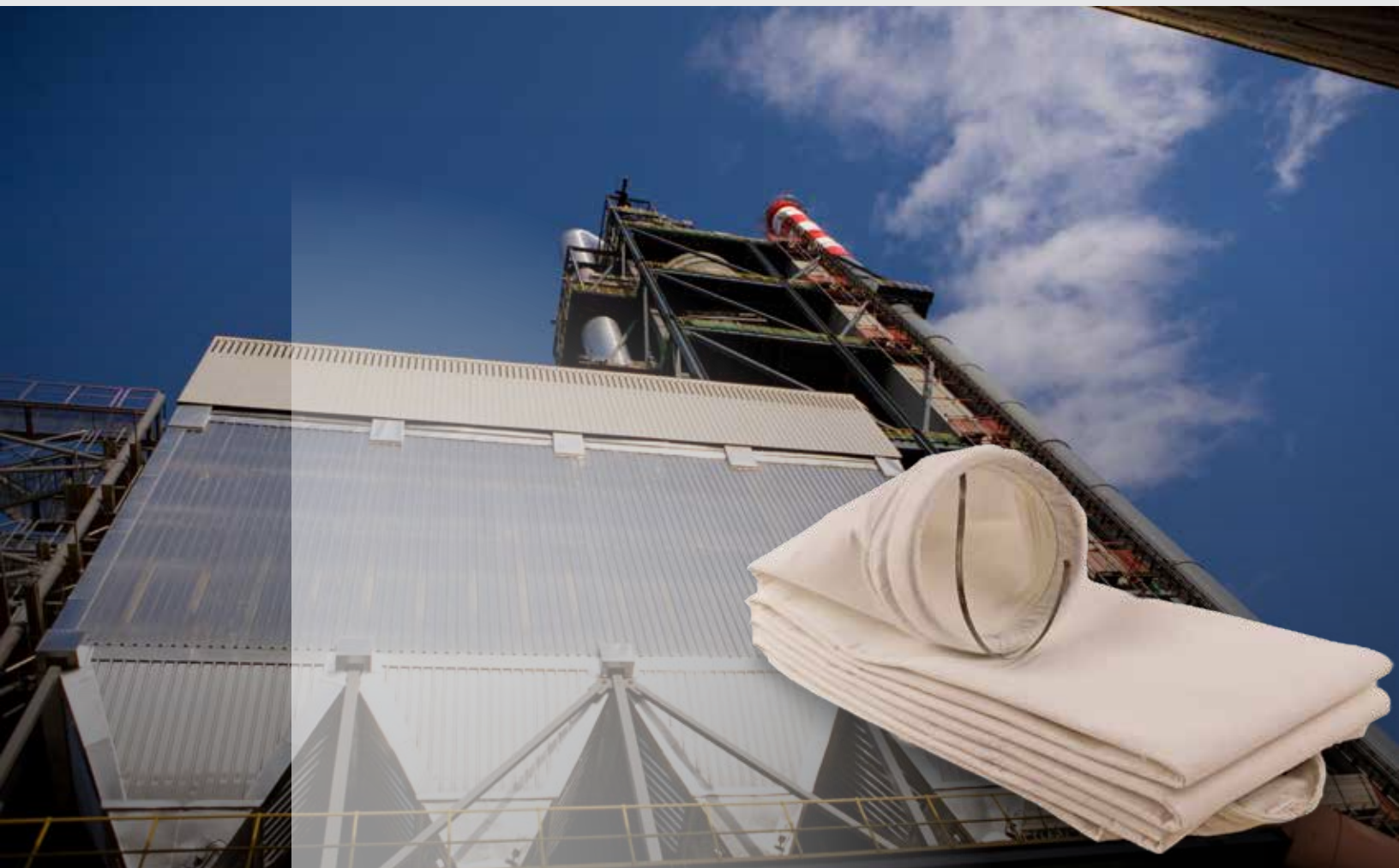


# AFT<sup>®</sup> H Filter Bags

The next generation  
of filter media



# Hybrid felts that perform at membrane filtration efficiency

A new twist to a proven technology that provides new options for the toughest environmental challenges

## AFT® H

Through innovation and technology AFT is offering a series of hybrid felts that will perform at membrane filtration capabilities but without the membrane lamination. Companies that have baghouses are always looking for the next big thing, and we have it.

For years it seemed that innovation stopped with membrane bag technology. AFT H represents a new twist to a proven technology that provides new options for the toughest environmental challenges.

## Innovative felt making technology

Through innovative felt-making technologies and investments, FLSmidth AFT is introducing a product that will revolutionize the baghouse community. By using this unique technology of increasing the efficiency by using hybrid fiber manipulation we can dramatically increase the efficiency and strength of today's felt and provide the following benefits:

- Increased efficiencies
- Lower differential pressure
- Increased durability
- Longer Bag life
- Lower operational costs

AFT H is available in the following fibers:

- Polyester
  - Cement – Finish Vertical Roller Mills and Ball Mills
  - Steel – EAF, Blast Furnace, BOP, Cupola, Canopy Capture, LMF
  - Gypsum
  - Chemicals
- Aramid
  - Cement - Clinker Cooler
  - Asphalt
  - Lime – Dryers
  - Gypsum
  - Industrial Boilers
  - Kaolin
  - Catalysts
- PPS
  - Utility/Power
  - Waste to Energy
  - Cement Kilns
  - Biomass
  - Industrial Boilers

## Main benefits

■  
Increased efficiencies

■  
Lower differential pressure

■  
Increased durability

■  
Lower operational costs

■  
Longer Bag life

**AFT® H PPS vs. PPS with ePTFE  
membrane filter bags**

	14 oz AFT H PPS	16 oz PPS ePTFE membrane
Support	Fiber	Fiber
Weight (oz/yd <sup>2</sup> )	14	15.1
Air permeability (cfm)	Min 20 Max 35	Min 4 Max 8
Thickness (mil)	Min 55 Max 70	Min 78 Max 84
Mullen burst (psi)	450	450
Tensile (MD lbf) average	180	175
Tensile (CD lbf) average	310	290
Elongation @ 11.24 lbf (%)	1	0.8
Heat stability (% shrinkage at 450 F)	1.0	1.0

**VDI test data (ASTM D6830-02)**

Total of Abs (mg)	0.3	0.4
Total efficiency %	99.998	99.998
Total emissions %	0.002	0.002
Clean gas concentration mg/m <sup>3</sup>	0.03	0.04



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