schenckprocess

DYNA-MAC Felt Filter Media

- **Lower operating costs**
- **Higher filter efficiencies**
- **Reduced consumption of compressed air**
- **Highest filtration efficiency of any non-membrane filter felt**

Overview

Ever tightening environmental restrictions are placing new demands on the fabric filtration industry. Fortunately, the answer to tighter restrictions can be found today in DYNA-MAC felt.

DYNA-MAC felts are engineered with micro-denier fibers which provide the highest filtration efficiency of any non-membrane filter felt. Tests run by an independent environmental testing agency show that when compared to the industry standard, polyester felt, the DYNA-MAC filter media:

- Improved efficiency 67% (ASTM D6830-02; PM 2.5
- Lowered ΔP 45%
- Required 46% fewer pulses to maintain a set ΔP

Available fibers for DYNA-MAC felt:

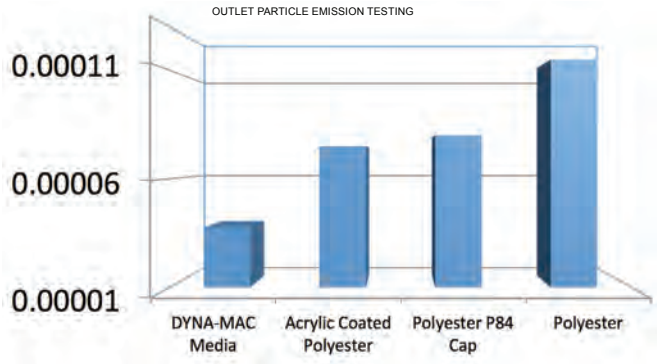
- Polyester - Homopolymer Acrylic
- PPS (Ryton)
- Aramid (Nomex)
- P-84
- Kermeltech

PM 2.5 efficiency tests compared DYNA-MAC felt to polyester felt, acrylic coated polyester felt and polyester felt with a P-84 cap.

DYNA-MAC felt was 53% more efficient than polyester felt with a P-84 cap, which has for several years been the “high efficiency” felt of choice for many difficult applications.

PM 2.5 Efficiency Testing

DYNA-MAC Felt



DYNA-MAC Felt Filter Media

Operating principle
Increased surface area of the micro-denier fibers keep the dust particles on the surface of a DYNA-MAC felt filter bag.

The improvement in surface filtration provides outstanding cake release in addition to the excellent filtration efficiency. The improved cake release and lower ΔP leads to lower fan horsepower requirements and fewer pulses to maintain production demand.

Less cleaning means reduced consumption of compressed air. Therefore, switching from regular felt bags to DYNA-MAC felt lowers operating costs and increases profits.


DYNA-MAC 0.7 denier polyester fiber


2.25 denier polyester fiber