

Polipleet®

Pleated Filter Elements

Replace your Filter Bags & Cages with One-Piece Pleated Filter Elements

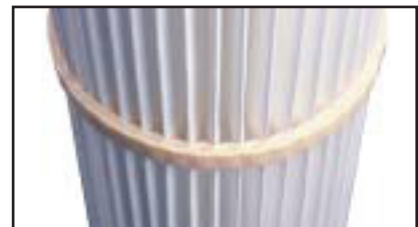
Polipleet® filter elements provide superior quality and performance for upgrading and improving existing dust collection system. The Polipleet® filter element is a one-piece pleated product of spunbond polyester media that replaces bags and cages. This unique media is unlike traditional felt fabrics in that it has a tight pore structure which resists surface penetration of particulate and has rigid physical properties that allow it to hold a pleat without the need for supporting backing material. The media is pleated and molded into a filter element that can increase filtration surface area 2 to 3 times compared to conventional filter bags, dramatically increasing filtration efficiency while operating at significantly lower differential pressures.



The one-piece design of Polipleet® filter elements reduces installation time substantially.

FEATURES AND BENEFITS

- 100% spunbond polyester media with 99.99+% filtering efficiency and half the emissions rate of standard felt media.
- One-piece design eliminates bags and cages and reduces installation time substantially.
- Increases available filtration surface area 2-3 times versus a standard filter bag.
- Reduces air-to-cloth ratios dramatically
- Fits most standard tubesheet and bag cup/venturi designs. The resilient urethane top ensures a superior fit for a dust-tight seal.
- Specialty finishes available, including expanded PTFE membrane.
- Resistance of surface penetration of particulate reduces operating pressure differential.
- Requires less compressed air pressure to pulse clean.
- Shorter length keeps filter element out of the inlet gas stream, reducing abrasion problems.
- Pleat depth and spacing are customized for specific applications to allow for improved dustcake release.
- iPLAS™ - Integrated Pleat Alignment System resists flex fatigue, preventing premature failure of elements.



iPLAS is found only on Polipleet® filter elements



STANDARD CONSTRUCTION FEATURES

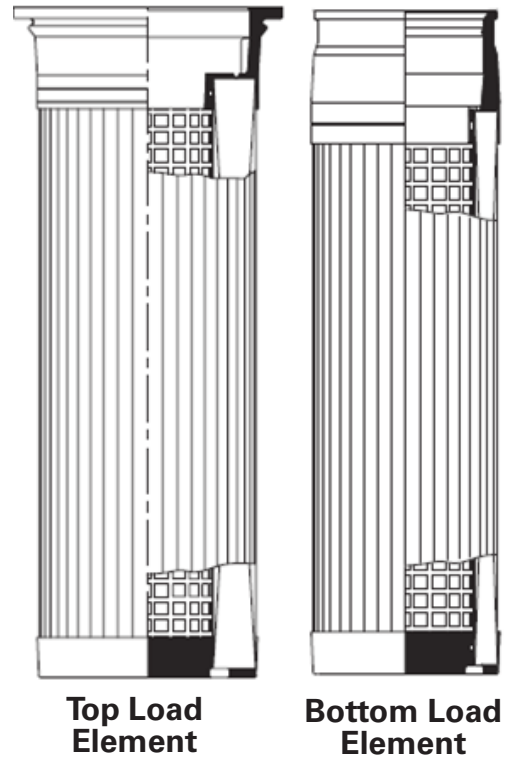
- 100% spunbond polyester media
- Polypropylene or expanded metal inner core
- Wide open pleat spacing and shallow pleat depth
- High filtration efficiency
- Molded urethane top and bottom construction
- Lower retaining bead on top load improves seal and promotes ease of removal
- iPLAS Pleat Alignment and Retention System (Polipleet® only)

CONSTRUCTION OPTIONS

- High temperature components (up to 450°F)
- Customized lengths and diameters
- Perforated metal or stainless steel inner cores
- Special pleat counts

AVAILABLE MEDIA

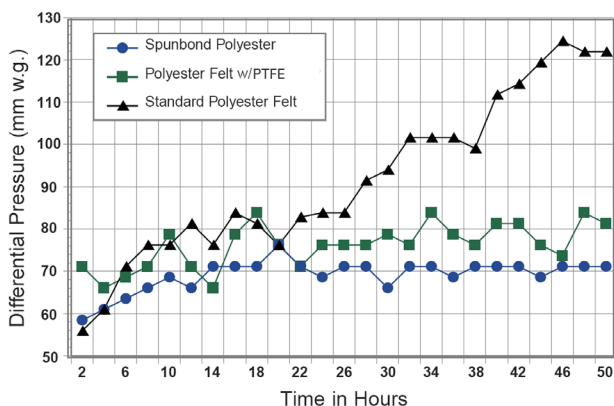
- PE806 Polyester spunbond
- PE806TR Oil/water repellent finish on spunbond polyester
- QP842 PTFE laminated to spunbond polyester
- PE810 Polyester with conductive impregnation
- QP843 PTFE laminated on spunbond polyester with conductive impregnation
- NX813 Aramid media
- NX812/QN812 Aramid media with aramid resistant finish/Aramid media with PTFE laminate
- RY805/QR805 PPS media/PPS media with PTFE laminate



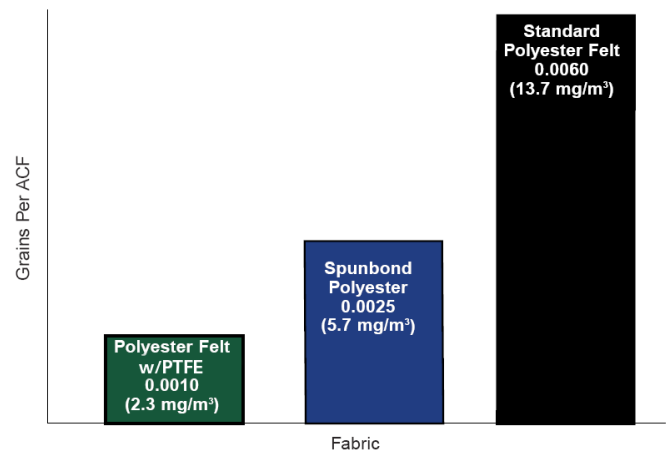
TEMPERATURE OPTIONS

- Polipleet® – for operating temperatures up to 265° F (130° C)
- ThermoPleat® – for operating temperatures up to 375° F (190° C)
- ThermoPleat® EXT - for operating temperatures up to 450° F (232° C)
- Additional technical information about ThermoPleat or ThermoPleat EXT is available.

DIFFERENTIAL PRESSURE COMPARISON



OUTLET EMISSIONS (GRAINS/ACF)



*5:1 A/C ratio, 0.5 micron particulate.