



Pleated Dust Collection Bag

Designer-Manufacturer-Exporter-Supplier





Pleated Dust Collection Bag

Pleated dust collection bags are now widely used in the field of dust collection system. These are made up of 100 % Spun Bonded polyester media with different coatings on it, as per requirement of applications. This spun bonded media are pleated in different pleated depths & heights to accommodate desired filtration area. Spun bonded filter media offers surface filtration, due to which pleated bags offer very high throughput & lower pressure drop across the filter compared to any conventional tube type filter bags. Pleated configuration offers almost 3 – 4 times higher filtration area compared to conventional bags.

Construction

Pleated spun bonded polyester filter media is placed in a cylindrical configuration with support cage of Galvanised / stainless steel / Polypropylene & encapsulated with EPDM / Natural rubber / Polyurethane or metal end caps to form a pleated dust collection bag. Longitudinal joints of pleated bags are ultrasonically fused for leak proof & very stable design. The end caps are configured to mount as clean side or dirt side fitment. In case of metal caps these bags are supported with soft sponge rubber or snap band cuff sealing to ensure positive sealing of filter while fitment.

Features & Benefits

- Filter area 3 to 4 times Larger than traditional filter bag
- Open Pleat Spacing
- Low consumption of compressed air (for cleaning)
- High efficiency due to surface filtration
- Reduction in downtime & maintenance
- Easy to install & remove
- Top and Bottom in EPDM, Natural Rubber, polyurethane or Metal end caps
- Leak proof design
- Very stable; do not break or fall through sheet
- Cages & venture are integral part of bags, hence no cages or venture required

Technical Specifications

Filter media

- Spun Bonded Polyester Media
- Pleatable PPS [Ryton] Media
- Pleatable Nomex Media

Area weight of Filter media

- 170 gms/m²
- 200 gms/m²
- 260 gms/m²

Coating

- PTFE coating for oil & moisture removal
- Aluminum coating for antistatic application
- Stainless steel coating for antistatic application
- Fire retardant coating
- PTFE lamination for very stick dust

Sizes

- Ø 160 mm x 500 mm Long
- Ø 160 mm x 1000 mm Long
- Ø 160 mm x 1400 mm Long
- Ø 160 mm x 2000 mm Long

Filtration area : 0.96 m² to 5.5 m²

Pleated Nomex Bags

Pleated nomex & PPS [Ryton] bags are the latest Innovation by Filter Concept for high Temp. upto 220°C & 190°C respectively . Pleated Nomex bags are now widely used in the field of dust collection system for high temperature application. This Nomex media are pleated in different pleates and depths & heights to accommodate desired filtration area. Nomex filter media offers surface filtration, due to which pleated bags offer very high throughput & lower pressure drop across the filter compared to any conventional tube type filter bags. Pleated configuration offers almost 3 – 4 times higher filtration area compared to conventional bags.

Construction

Pleated Nomex filter media is placed in a cylindrical configuration with support cage of Galvanised / stainless steel & encapsulated with metal end caps to form a pleated dust collection bag. Longitudinal joints of pleated bags are leak proof & very stable design. The end caps are configured to mount as clean side fitment. these bags are supported with snap band cuff sealing to ensure positive sealing of filter while fitment.

Filter Media

Pleatable Nomex Media & Pleated PPS [ryton] Media

PU Moulded Bags

Filter Concept is keen to deliver highest level of quality product to their customer & with Endeavour to that FCPL has introduced polyurethane pleated bags to cater demanding application of air pollution control segment. Moulded design of pleated bag is suitable for retrofit to various reputed name in similar segment. Spun bonded filter media offers surface filtration, due to which pleated bags offer very high throughput & lower pressure drop across the filter compared to any conventional tube type filter bags.

Construction

Pleated spun bonded polyester filter media is placed in a cylindrical configuration with support cage of Galvanised / stainless steel / Polypropylene & encapsulated with POLYURETHANE Moulded end caps to form a pleated dust collection bag. Longitudinal joints of pleated bags are ultrasonically fused for leak proof & very stable design. The end caps are configured to mount as clean side or dirt side fitment. In case of metal caps these bags are supported with soft sponge rubber or snap band cuff sealing to ensure positive sealing of filter while fitment

Filter Media

Spun Bonded Polyester Media

Applications

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|---|---|
| <ul style="list-style-type: none">• Pharmaceuticals• Steel & Power• Powder coating• Shot Blasting• Cement | <ul style="list-style-type: none">• Chemicals• Metals & Minerals• Paints & Pigments• Pneumatic Conveying• Spray Dryer |
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Filter Concept Pvt. Ltd.

(An ISO 9001:2008, ISO 14001:2004, OHSAS 18001:2007 Certified Company)

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