

Pleated Dust Collection Cartridges



Pleated dust collection cartridges are made up of 100 % spun bonded polyester media, like pleated dust collection bags media with different coatings on it, as per the requirement of applications. Construction wise Pleated dust collection bags & cartridges are one & the same, they are differentiated just for variation of filtration area. Dust collectors manufacturers / OEMs can replace conventional tube bags with pleated dust collection bags & cartridges with minor changes in the present equipment design. This polyester media is made up of high tenacity filament yarn without using any binding agent. Thus hard finished material is very stable against hot gas attack & structurally durable. This unique & hard finished material provides features of good pleat ability, high durability, and unique structure of very fine filament yarn which offer high performance in filtration. Thermally tight bonded media provide washability, excellent pleatability, stable structure, fine dust release & good resistance of particle penetration in to the media. This filter media is pleated in different pleated depths & heights to accommodate desired filtration area.

Construction

Pleated spun bonded polyester filter media is placed in a cylindrical configuration with support of metal core & encapsulated with metal end caps to form a pleated dust collection cartridge. The end caps are configured to mount as clean side or dirt side fitment. In case of metal caps these cartridges are supported with soft sponge rubber sealing to ensure positive sealing of filter while fitment.

Features & Benefits

- High filtration area up to 20 m²
- Universal fixing arrangements
- Open pleat spacing
- Low consumption of compressed air (for cleaning)
- High efficiency due to surface filtration
- Very high air to cloth ratio
- Very high filtration efficiency

Technical Specifications

Filter media

- Spun Bonded Polyester 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

Sr. No.	Diameter Of element	Length Of filter Element
1	150 mm	500 mm
2	150 mm	1000 mm
3	150 mm	1400 mm
4	150 mm	2000 mm
5	225 mm	500 mm
6	225 mm	1000 mm
7	225 mm	1400 mm
8	225 mm	2000 mm
9	325 mm	300 mm
10	325 mm	500 mm
11	325 mm	606 mm
12	325 mm	1000 mm
13	325 mm	1400 mm

Fitment configuration

- Clean Side Fitment (Model: 2 & 3)
- Dirt Side Fitment (Model : 1)

Filtration area

- 0.96 m² to 20.0 m²

Applications

- Pharmaceuticals
- Steel & Power
- Powder coating
- Shot Blasting
- Cement
- Chemicals
- Metals & Minerals
- Paints & Pigments

