



Dust Collection Cartridges

Manufacturer - Exporter - Designer

Dust Collection Air Filter



Our high-quality spun bond filters play a critical role in safely and effectively capturing dust particles in ventilation systems and various industrial applications. The filtration process is optimized through the unique structure of spun bond polyester media. The fiber density increases progressively from the air inlet to the outlet, allowing particles to be trapped over a larger surface area and maximizing filtration capacity. This ensures efficient filtration of both fine and large particles.

This innovative design not only delivers superior filtration performance but also extends the lifespan of equipment used in your operations, helping to meet environmental safety standards. Our filters improve the efficiency of industrial processes while preventing the release of harmful particles into the air, thereby protecting both occupational health and the environment.

Dust Collection Air Filter



Applications

- Powder Processing
- Cement
- Material Handling
- Foundries
- Metal Fabrication
- Paint & Pigments
- Pharmaceuticals

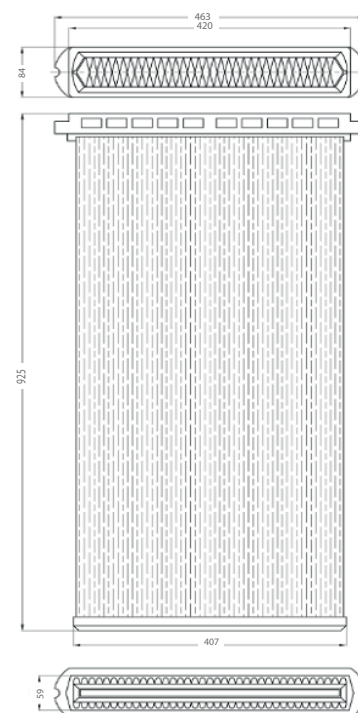
Key Features

- High filtration area, up to 20 m²
- Universal mounting options
- Open pleat spacing
- Low compressed air usage for cleaning
- High efficiency through surface filtration
- Excellent air-to-cloth ratio
- Very high filtration efficiency

Pleated Dust Collection Cartridges are made from 100% spun-bonded polyester, while pleated dust bags have different coatings based on the application. Both are built similarly but differ in filtration area and fitting. Manufacturers can replace traditional tube bags with pleated bags or cartridges by making small changes to their equipment.

The polyester material is strong, durable, and heat-resistant. It pleats easily and provides great filtration. The material is washable, keeps its shape, and releases dust easily while blocking particles. The filter size can be adjusted to meet different filtration needs.

The pleated spun-bonded polyester filter media is arranged in a cylindrical shape, supported by a metal core, and sealed with metal end caps to create a pleated dust collection cartridge. These end caps can be configured for either clean or dirty side installation. When using metal caps, the cartridges are sealed with soft sponge rubber to ensure a tight fit during installation.



Cylindrical Cartridges			
Sr. No.	Diameter of Elements	Length of Filter Elements	Filtration Area m ²
1	120 mm	300 mm	1
2	150 mm	1000 mm	2
3	150 mm	1400 mm	3
4	120 mm	2000 mm	4
5	225 mm	500 mm	3
6	225 mm	1000 mm	6
7	225 mm	1400 mm	9
8	225 mm	2000 mm	12
9	325 mm	300 mm	5
10	325 mm	500 mm	8
11	325 mm	695 mm	10
12	325 mm	1000 mm	16
13	325 mm	1400 mm	23

To prevent filter elements from becoming clogged, dust must be removed through regular cleaning cycles. This is the only way to ensure the filters function properly. Cleaning can be done mechanically through vibrations or, as with Silo Tops, pneumatically by injecting compressed air jets into the filter elements. The particles removed from the filters then fall back into the storage container. The air-jet cleaning system is specially designed and integrated inside a hinged structure.

We also make OEM Replacement filters for all the top dust collectors and industrial ventilation in the industry today. We guarantee fit and function at an unbeatable price. If you don't see the industrial filter you need, contact us directly. We can cross reference any filter for your specific industrial application.



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