



**World-class Solutions in**  
*Clean Room Equipments, Filters, Coils & AHU's*

## **DUST COLLECTOR CARTRIDGE FILTER**



**PLEATED BAGS - POLYURETHANE TOP & BOTTOM :** Material of Costruction :

**Top:** Polyurethane

**Bottom:** Polyurethane

**Inner:** GI Perforated Sheet / SS 304 Perforated Sheet

**Plug:** GI

**PLEATED CARTRIDGES :** Material of Costruction :

**Top:** Aluminum / SS 304 / SS 316

**Bottom:** GI / SS304 / SS316

**Inner:** GI / SS304 / SS316

## DUST COLLECTOR CARTRIDGE FILTER



Netfil offers the complete range in standard and custom sizes. These products are made up of spun bonded polyester, which works on the “surface filtration technology”, due to which pleated bags offer very high throughput & lower pressure drop across the filter compared to any conventional tube type filter bags. As the media is assembled in a pleated fashion, it provides 3 to 4 times higher filtration area compared to conventional bags.

### PLEATED BAGS - POLYURETHANE TOP & BOTTOM : :

These bags have a flexible PU top and bottom and the bags are inserted in the system as a “top loader”. A metal plug is provided with each bag that is to be inserted inside the PU top. The PU expands because of the metal plug and seals the bag at the cell plate. Owing to the mechanical properties of PU, these bags have a max temperature limitation of 90 deg C.

Polyurethane Top/Bottom Pleated Bags provide a unique design that can be easily retrofitted in existing dust collectors. 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.

**Sizes :** The product is offered in the below standard sizes.

Diameter(mm)	Length(mm)	Pleat Depth(mm)	No of Pleates	Area (sq mtrs)
160	500	16	60	0.96
160	1000	16	60	1.92
160	1400	16	60	2.70
160	2000	16	60	3.84
160	2000	23	60	5.52

### FEATURES :

- Suitable for the filtration of very fine dust type in welding fumes Mechanical processing, pharmaceutical and construction industries & sticky dust collection.
- Spun bonded polyester with PTFE membrane, microspore Offers 99.99% filter efficiency.
- Wide pleat spacing and smooth.
- Excellent resistance to chemical erosion.
- Lower Maintenance Costs
- Better Resistance to Inlet Abrasion
- Minimizes Compressed Air Usage

## PLEATED CARTRIDGES :

Pleated Cartridges are custom-made pleated bags. These products are a suitable solution when very high filtration area is required per cartridge. By increasing the diameter, pleat depth and number of pleats, areas can be provided in one cartridge. However, these have to be carefully selected based on application parameters like nature of dust and dust loads. The pleated cartridges can withstand 130 deg C temperatures during operation.

**Sizes :** The product is offered in the below standard sizes. Custom designed sizes can also be provided.

Diameter(mm)	Length(mm)	Pleat Depth(mm)	No. of Pleates	Area (sq mtrs)
150	500-2000	16/28	40-60	0.64-6.72
250	500-2000	16/28/48	60-80	0.96-15.00
325	500-1500	28/48	80-100	2.24-15.00

## FITMENT OPTION

### LUG TYPE CARTRIDGE FILTER :

- Standard 3 Lug Flange with Top Loading (Sealing gasket at bottom)
- Standard 3 Lug Flange with Bottom Loading (Sealing gasket on top).

### DETAILS :

- Wider pleat width
- High filtration efficiency
- Filter Material: 80% Cellulose + 20% Polyester, Synthetic fiber
- Excellent ability for moisture protection
- Top open, bottom open/bottom close with deflating bolt hole
- Galvanized stainless metal configuration



**DIN TYPE CARTRIDGE FILTER :** with bottom loading (Tie Rod fitment)



The Cylindrical DIN type Cartridge Filter is used in all standard applications from shot blasting to wood dust filtration and it can be manufactured in a conductive

antistatic version suitable for operation in ATEX environment. Also, it can be supplied in a stainless steel version approved for food grade.

It is suitable for air filtration of dust and fumes from cement, metal/aluminium, food & beverages, woodwork, chemicals, powder coating, plasma/laser cutting, sandblasting, textiles, welding and casting.

**COLLAR TYPE CARTRIDGE FILTER :** (Collar Type Flange with Top Loading)



- Less energy consumption
- Fewer filter change outs
- Better dust release
- Lower pressure drop
- Longer filter life