Cartridge Filters for Powder Coating and General Dust Collection

Quality Design Features

Highest quality Spunbond Polyester media
3 special filter medias available for your precise powder / Dust recovery system requirements
Maximum / Optimal amount of filter media in each filter for increased airflow and longer service life
Internal adhesive bead maintains pleat separation
External banding strengthens filters and maintains pleat separation
Seams are overlapped, glued and stitched for strong leak proof seal
End caps are filled with high bond strength adhesive for optimal sealing and strength
Gaskets compress 50% for positive seal
Water Washable

Cartridge Filter Size Options			
Length	**Outside Diameter**	**Inside Diameter**	**Part # Code**
660mm / 26 inches	325mm / 12.8 inches	215mm / 8.46 inches	**26**
900mm / 36 inches	325mm / 12.8 inches	215mm / 8.46 inches	**36**
Cartridge Filter Mounting Configuration Options			**Part # Code**
Single 15mm / .6 inch hole in bottom end cap sealing gasket on top			**SH**
Flow Through - 215mm / 8.46 inch ID opening on both ends sealing gasket on one end			**FT**
Closed End with 215mm / 8.46 inch ID opening and sealing gasket on one end			**CE**
(Nordson) Internal threaded insert with 215mm / 8.46 inch ID opening and sealing gasket on one end			**NT**
Cartridge Filter Media Options			**Part # Code**
Primary (no cyclones) Recommended for standard powder coatings in a cartridge booth with no cyclones			**02**
Primary (no cyclones) Recommended for low transfer efficiency applications – high volume of finer particle size reclaim powder			**03**

All About Cartridge Filters

Cartridge filters are used for many different applications such as:

- Powder Coating
- Shot and Bead Blasting
- Dust Collection (All Types) – wood, concrete, flour etc.
- Welding Smoke

Cartridge Filters Questions and Answers

Q How long should my cartridge filters last?
A Many factors influence cartridge filter life, here are the primary ones: Recovery system design - how much air the fan is drawing through every square meter / square foot of filter media, type of filter media, design and construction. Frequency and effectiveness of reverse air pulse to dislodge particulates from filter media and pleats. Particulate particle size and volume of dust.
In a properly designed system your cartridge filters should provide between 1 to 5 years of effective and efficient service life

Q Is it common practice to remove cartridge filters periodically for cleaning?
A NO - In a properly designed system the compressed air reverse pulsing should effectively clean the filters to maintain designed airflow. When cartridge filters are repeatedly removed for cleaning the filters usually become damaged and leak.

Q Why are particles leaking from my dust collector?
A Leaks can occur due to faulty seals where particles bypass the cartridge filters or when designs so all we can suggest is that you first carefully inspect your system to eliminate the particles actually leak through the filter media. There are many different dust collector possibility of particles bypassing the cartridge filters. In some systems it is difficult or impossible to access all areas for inspection. If in doubt use a mastic / sealant to seal all welded seams on the negative pressure side (fan suction side) where particles may potentially be drawn through or around bypassing the cartridge filters.

Q My cartridge filters are leaking what should I do?
A You need to identify the cause of the leaking, often times in is a single filter that has not been installed properly, has been damaged by mishandling or has failed – seam has split, leaking from an end-cap, puncture in filter media.

1. Visually inspect all cartridge filters for damage and proper installation. Filters must be properly positioned and gaskets sufficiently compressed to provide effective seal, a rubber sealing washer must be used under all mounting hardware
2. If your system has After Filters (filters after cartridge filters) remove them so you can visually inspect exhausted air from the cartridge filters when system in operating
3. Locate reverse pulse timer circuit board or controller, there is usually a light that illuminates when each filter or set of filters is being pulsed

4. Observe exhaust air through cartridge filters during reverse pulsing to identify which filter or filters are leaking. If remounting does not correct the problem you will need to replace the suspected leaking filter / filters.

Q How do I know if my cartridge filters need to be replaced?

A 1. Noticeable reduction in system air-flow

2. Cyclone efficiency has reduced (more particles are passing through the cyclone into the cartridge filter collector). “Cyclones become less efficient when airflow is reduced due to blinded cartridge filters”

3. The gauge measuring the pressure differential across the cartridge filters has increased above the recommended level advised by the dust collector manufacturer

Note: If your cartridge collector does not have a pressure differential gauge to monitor cartridge filter performance we can supply one along with installation instructions specific for your system

FOR COMPETITIVE PRICING – PLEASE CALL ME.

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