

Selecting Chemco Dust Cartridge Filters — Features and Benefits

Regardless of the nature of your dust collection application, Chemco has the answer for all of your cartridge filtration needs. No matter what the dust load volume, micron size or shape of the dust may be; whether the dust is flammable, abrasive, hygroscopic, or agglomerating; whether the air is being returned to the plant or exhausted outside of the the building; ***Chemco has the solution to your dust pollution needs.***

100% Cellulose (D1) & 80/20 (DP) paper-poly blend dust cartridges

Chemco's standard 80/20 blend (DP) dust cartridges offer high efficiency, durability and performance appropriate for a wide variety of dust applications, including blast booths, carbon black, pharmaceutical, powder and dry chemical processing. **Pleat spacing can be widened** for applications where larger or irregularly shaped dust particles enter the collector, such as fiberglass & composite grinding and tobacco processing. **Tomato cage supports** can be used instead of outer screens for coarse wood sanding, chaffe-tolerant grain handling, and some buffing applications.

Flame-retardant 80/20 (DF) dust cartridges

Chemco builds flame-retardant 80/20 blend (DF) dust cartridges for applications where sparks or flammable dust can enter the dust collector, such as welding, plasma cutting, flame-cutting, laser, metallizing and ferrous metal grinding. As is the case with our regular 80/20 cartridges, flame-retardant filters can be made with **wider pleat spacing** as well, for applications like coarse grinding or ferrous metals.

Spun-bond polyester (EC) dust cartridges

Chemco's spun-bond polyester (EC) dust cartridges are ideal for any applications where abrasion-resistant or high-strength media is required. Paper, cardboard, cement, cocoa, coffee, aluminum oxide and rubber grinding dust applications are ideal for this media style.

Unlike most cartridge manufacturers, **Chemco is one of the few sources in the dust collection market** that offer 100% spun-bond polyester media **with the advanced "dual-dimple" pleat design**. This superior pleating technology substantially improves the overall performance and service life of spun-bond polyester media, even under heavy dust loading. By imparting the dual (opposing) dimples down the length of each individual pleat, uniform pleat spacing and full utilization of filter surface area is guaranteed, resulting in optimal cleaning capability of back purging cycles and lower pressure drop.

Synthetic & specialty media dust cartridges

For applications requiring high strength media and superior dust release characteristics (i.e., cement, cardboard, paper, carbon black, and some rubber grinding) **we offer**

spun-bond polyester media options with either hydro/oleo-phobic treatment (EW) for moisture & oil resistance, as well as aluminized (EL) finishes for static dissipation.

For applications where moisture is an issue or those with larger particles, agglomerative or hygroscopic dusts, such as salt, sugar, clay, cocoa, coffee, detergents, milk powder, and stearates; **synthetic media (SP) is available in a 90/10 polyester/fiberglass blend.**

For high temperature applications we offer a high efficiency, **proprietary blend of 10 oz. Nomex.**

Finally, for higher efficiency applications such as food, asbestos, pesticides, fluidized bed dryers and agglomerating materials, **PTFE membrane-laminated (PT) cartridges** are also available.

Nanofiber (NP) Dust cartridges

Chemco's new "NanoWeb" (NP) cartridge filter technology offers 0.3 to 0.5 micron nanofibers, setting a new standard in fractional efficiency and extended service life for cartridge filtration. Among the applications where nanofiber filtration would be beneficial are FDA-compliant or clean room environments where high efficiency is required, as well as those where heavy dust loading or challenging conditions typically result in cartridge blinding and shorter service life. Nano-web also outperforms in applications that can produce soot or unburned hydrocarbons, such as welding or metallizing. And, as is the case with our 80/20 blend dust cartridges, **Nano-Web is also offered in a flame-retardant (NF) version** for applications where sparks or flammable dusts are possible.

Chemco's NanoWeb-coated filter media--our latest innovation in cartridge filter technology--offers significantly greater fractional efficiency, extended filter life and longer maintenance service intervals than do untreated substrates. **And when compared to the more fragile nanofibers that some manufacturers are still producing using an electrospinning process**, Chemco's "new & improved" NanoWeb fibers are stronger and more durable, allowing it to withstand more stringent pulse-cleaning conditions.

Also available :

--**Stainless steel construction** for use in food & drug grade or chemically corrosive applications

--**Variable pleat count and depth**

--**Precoated or carbon-impregnated treatments** upon request

--**Other media, special endcaps and custom sizes** to meet specific needs of any application

--**Polyisoprene, neoprene or silicone gaskets**

--**Proprietary OEM designs**

OEM REPLACEMENTS

Chemco manufactures custom designs, as well as replacement cartridges and upgrades for the following OEMs and more...

AAF	Metal Fab/Micro Air
Deimco	Nordson
Donaldson	Pangborn
Dust Hog	Pneumafil
Farr	Scientific Dust Collector
Flex-Kleen	Torit
ITW/Gema	United Air Specialists
Menardi Criswell	Wagner
Mikropul	Wheelabrator

INDUSTRIES WE SERVE

Pharmaceutical	Chemical plants	Abrasive blasting
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Powder coating	Metal grinding	Steel mills
Food processing	Mineral processing	Foundries
Plastics	Coal processing	Welding/Smoke fumes
Lawn/Farm equipment	Rubber	Nonferrous metals
Wood & Forest products	Appliance manufacturing	Military
Wood & Metal Furniture	Laser/Plasma cutting	Auto & Parts operations
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