



Ultra-Web® Cartridge Filters

Deliver 8X Longer Life on Dust from Pill-Coater

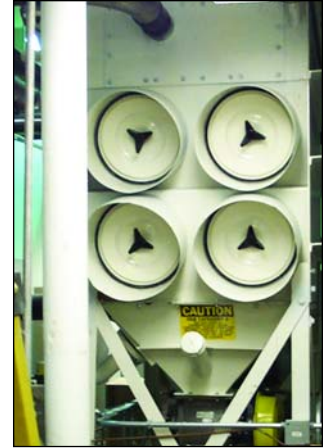
INDUSTRY: Pharmaceutical Non-Toxic

PROBLEM: High maintenance cost from having to change commodity filters every 9 days.

SOLUTION: Donaldson® Torit® Ultra-Web® filters have maintained low pressure drop and high efficiency for 75 days so far...and counting!

The 0.5µm-sized dust from the pill coater was so plentiful at this major midwestern vitamin maker that the maintenance crew had to change filters in their dust collector every 9 days!

Although the dust collectors — Donaldson® Torit® Downflo® II (DFT) and Downflo Oval (DFO) models — are self-cleaning (pulse jet), the non-Donaldson filter cartridges the customer had



installed were made with a depth-loading media. The purchase price of these commodity filters was low, but the cost of downtime and labor every 9 days was too high!

Now they've switched back to Donaldson Torit Ultra-Web® nanofiber filter cartridges. Capturing most of the submicron dust on the surface where it can be pulsed off, Ultra-Web technology prevents premature filter clogging.

When used in self-cleaning dust collectors, Ultra-Web filter cartridges are periodically cleaned. The surface loading characteristic means that the collected dust is cleaned off fairly easily and the ΔP across the filters is reduced to acceptable limits.

In this case, the vitamin manufacturer is able to keep ΔP within the operating range of 0.4 and 0.8 "wg. So far, they've gotten 2½ months of life from the Ultra-Web cartridges, without significant ΔP increase.

Filter life increased from 9 days to over 75 days! Now, there's a pill that's easy to swallow! ○



A major midwestern vitamin maker made the switch to Ultra-Web filter cartridges in their dust collectors and, so far, have seen an increase in filter life from 9 days to over 75 days so far.