

Gold Series Captures Airborne Pigments with Flying Colors

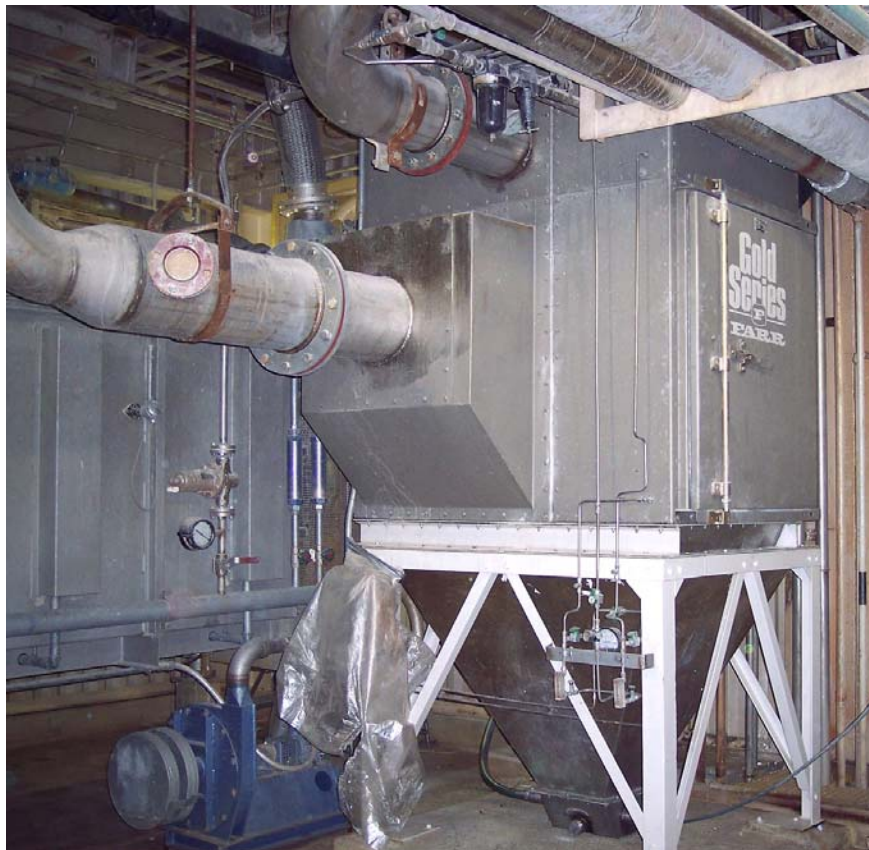
Product: Gold Series
Size: Multiple GS6 Units
Application: Extremely Fine Pigment Powder
Customer: EMD Chemicals, Inc. - Savannah, GA
Representative: Scott Soncrant, Air Improvement Resources, Inc.



Another "Hands On" GS Demo Success Story!

Challenge

EMD Chemicals, Inc. is a manufacturer of specialty chemicals for industrial pigments, cosmetic ingredients, laboratory analytical reagents, pharmaceutical/biopharmaceutical drugs and liquid crystal displays. They were having problems with existing competitive dust collectors in their Savannah plant. High pressure drop across the filters resulted in short cartridge life and required frequent filter change-out. Labor cost to do so was expensive. Also, sulfuric acid was in the air stream and attacking all metal components.



Solution

Farr rep Scott Soncrant of Air Improvement Resources, Inc. and Farr market manager Tomm Frungillo evaluated the problems. They recommended that the upper filter housings be removed and retrofitted with stainless steel constructed Farr GS6 Gold Series filter housings and DuraPleat® cartridges. The tool-less, filter change-out design of the Gold Series would significantly reduce the labor time during periodic filter removal for wash down. Further, the Farr DuraPleat DPS-200(S) filter cartridges with stainless steel pans have washable, spun-bond media that would stand up well in this high temperature application. Instead of gluing, the filter pleats would be sonically welded to eliminate the possibility of leaks.

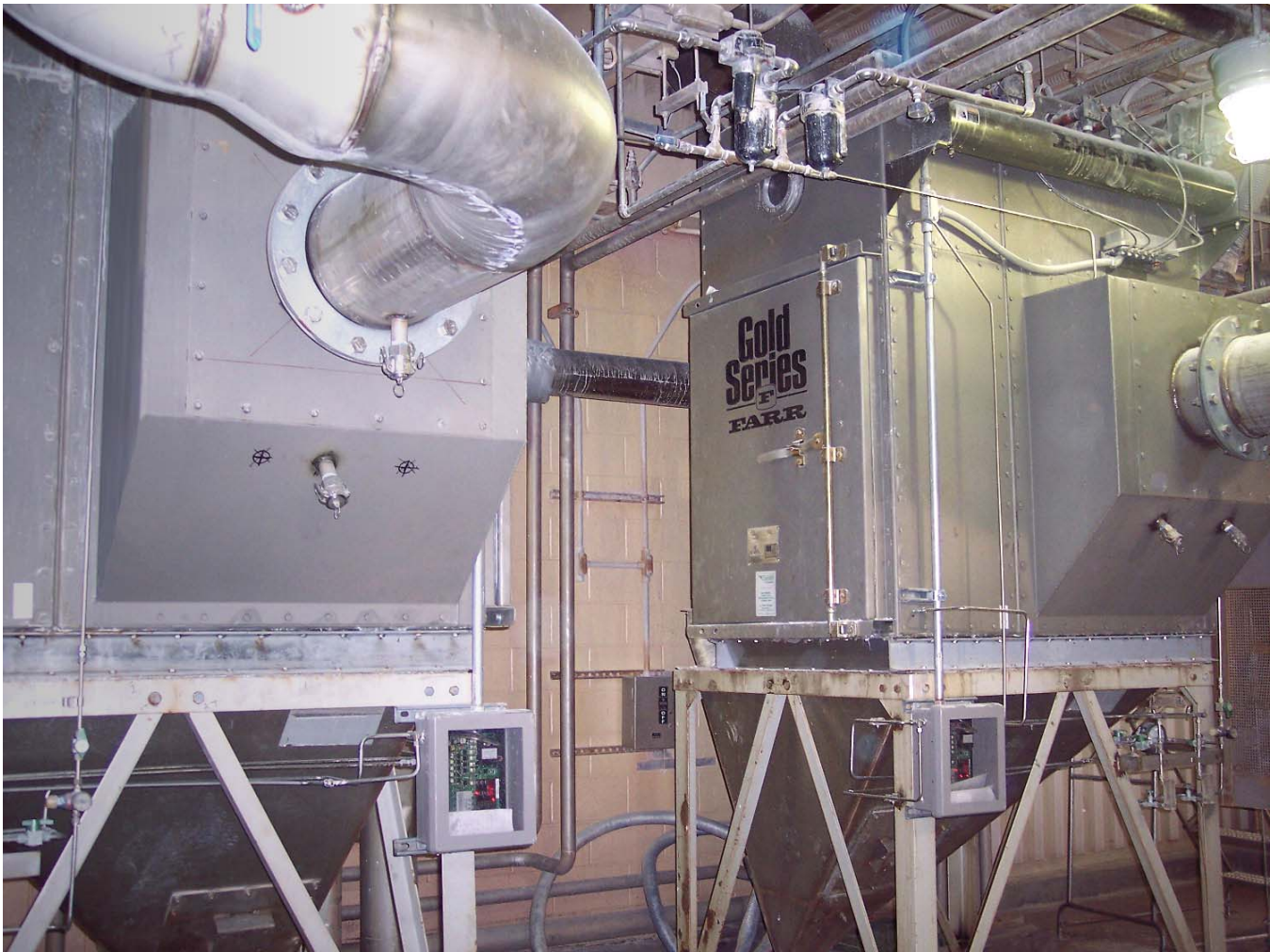
Farr APC Case Study *(con't)*

To start, EMD Chemical purchased one Gold Series filter module for retrofit on one of six dust collectors in their plant. They were pleased with the results. What used to be a typically high pressure drop across the filters on the old system at 10 to 16 inches static pressure was now only 4 inches across the DuraPleats. This cut their energy bill by two-thirds.

Occasionally, EMD Chemical would change colors of the very fine (1 to 5 micron) mica pigment powder that they were processing, requiring a wash down of the dust collector and filters. What used to take them 8 hours to do a filter change-out on their old filter module took only 15 minutes with the Gold Series.

That first Gold Series GS6 filter module was installed in February 2005. EMD Chemical soon followed up with orders for five more GS6 units, plus two new complete systems with hoppers. Each GS6 with the DuraPleats is rated to handle 3,200 CFM. At this writing, it has been over two years since the first unit was installed and all systems continue to perform well. EMD Chemical had considered competitive dust collection equipment at the start of this project. Today they are happy with their purchases and experience with the Farr Gold Series.

For more information, contact Scott Soncrant of Air Improvement Resources, Inc. at 706-379-2536.



Farr Gold Series GS6 filter housings capture extremely fine pigment powder, reduce energy and labor costs.