

Thermal Spray HemiPleat™ Retro Success

Product: Farr APC HemiPleat™
Size: 96 Retrofit Cartridges on Three Competitive Units
Application: Thermal Spray Booths
Customer: Rolls Royce - San Francisco, CA
Representative: Jim Fox of Air Exchange

Challenge

A military contractor was having short cartridge life on thermal spray booths used for metalizing aircraft engine parts. The spray booths had three identical systems with a Torit Downflo II DF4-32 collector on each system. The airflow for each system is 8,000 CFM.



Competitive Dust Collectors performed poorly with their own “ultra” efficient filters.

They were using Torit Ultra Web filters that were being changed every 1,000 hours due to loss of airflow due to plugging of the cartridges. The cartridges had to be disposed of as hazardous waste due to the heavy metal particulate in the thermal spray process. This added to the cost of each change out as well as the cost for production down time.

Solution

The cartridges in two of the collectors were changed to Farr HemiPleat™ High Efficiency fire retardant cartridges in November of 2005. These cartridges have an extra benefit in higher efficiencies than the Ultra Web that they were using.



Farr HemiPleat™ HE, high-efficiency, fire-retardant filters.

The cartridges in the third collector were also changed out at the same time using the Torit Ultra Web.

The Torit Ultra Web cartridges lasted only 1,000 hours. The Farr HemiPleat™ have lasted over 4,000 hours. The application on all three systems is identical. They have now switched all three collectors to HemiPleat™. The customer is very happy with the performance of the Farr HemiPleat™ that is saving over \$50,000 a year in maintenance costs.

For further information regarding this application, contact Jim Fox of Air Exchange at 800-300-2945.