

CASE STUDY



Seed Corn Processor

Product: Big Round Filter
Size: (2 Custom) 60BRF-10 Designed for 10,000 CFM each
Application: Fugitive Dust from Corn Sheller and Cleaner

Challenge:

The customer has been in the corn breeding and seed corn production business since 1947. The EPA required that the customer install dust collectors at their two facilities.

Solution:

The Imperial Rep visited the plants and carefully evaluated the customers' situation. Based on the requirements, a modified BRF at each plant would be the solution. A custom tube sheet with 60 holes spaced extra far apart would reduce can velocities substantially to accommodate the range of particle sizes. The gentle back wash of the BRF fan cleaning system would clean the bags without sending an avalanche of material down like other medium pressure units would. A tangential inlet was specified by this customer, again making the BRF the logical choice. Finally, "The BRF is the best choice for sheller applications where compressed air is not available ... " says the Imperial Rep.



For further information regarding this application, contact Imperial Systems.