

# CASE STUDY



## Barley Malter Finds BRF Solution Robust

**Product:** Big Round Filter  
**Size:** (2) 120BRF-8, (3) 152BRF-12  
**Application:** Fugitive Grain Dust  
**Customer:** Large Grain Processor on the West Coast

### Challenge:

A large grain processor uses two-row barley from a variety of growing regions in seven western states for a diversified supply of high quality barley. At one of their west coast plants, the barley is delivered by rail and transferred to their drum houses, kicking up quite a bit of dust in the process. They were displeased with three competitive collectors that were already in place, and when an expansion project required two more, five new systems were up for bid. Every competitor and many contractors would have their hands in this one.

### Solution:

The customer contacted Imperial Systems, Inc. The customer favored the quality of construction of the Big Round Filter including the heavier duty housing, tough powder paint finish, reverse-air fan mechanics and especially the grease-filled gear box that does not need lubrication. They wanted two units on the roof right away for their expansion, and ordered a pair of 120BRF-8's with 16 oz. polyfelt bags and explosion vents, which were recommended for this potentially explosive grain application.

The customer initially specified the air-to-cloth ratios, but willingly paid the extra money to implement the more conservative Imperial recommendations for the 9,000 and 12,500 CFM systems. Three 152BRF-12 units then replaced the unsatisfactory Torit units handling 22,900 CFM, 26,100 CFM and 28,100 CFM.

The customer is quite pleased not only with the performance of the equipment, but with the service and support from Imperial Systems, Inc.



For further information regarding this application, contact Imperial Systems.