Conveying Specialty Grains to Brew Kettles

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Applications of Fox Venturi Eductors

CONVEYING WITH: · NO MOVING PARTS · NO BLOWBACK · NO MAINTENANCE

PRODUCT

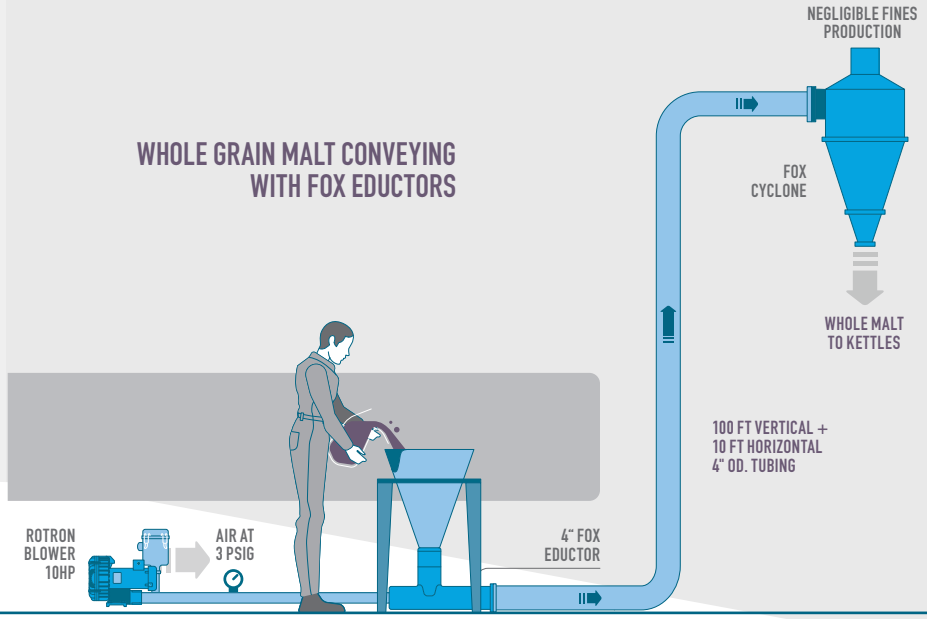
Whole Malt - Specialty whole grain malt to be transported to malt hoppers feeding brewery kettles.

PROBLEM

An Ohio brewery needed a reliable method to convey whole specialty malts to their existing malt hoppers. The specialty malts involved are added in relatively small amounts and may represent only 10% of the total malt formulation. It was decided that the convey distance of 110' was too long for a conventional mechanical conveyor and that a mechanical system of this length would be costly, maintenance-intensive, and would increase fines generation.

SOLUTION

A complete 4" Fox eductor system, with a Rotron DR858 regenerative blower was installed. Included in the system was a bag dump hopper and cyclone separator, supplied by Fox Valve. The installed eductor system has exceeded the customers requirements, of conveying 3,500 lbs/hr of whole malt. The Fox bag dump hopper has provided the customer with a flexible system that can convey from either 50lb. bags or 1100 lb. super sacks. In addition to providing a simple, maintenance free solution - fines carryover from the cyclone in the Fox system have been minimal.



FOR MORE INFORMATION:

- Watch Video of eductor conveying from a bag dump hopper - 50 sec
- Bag Dump Installation Animation - 50sec
- Visit our Brewing and Distilling Page

FOX VENTURI EDUCTORS
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FOX

CASE STUDY No. 51

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Fox can provide a blower + eductor conveying system, cart-or skid mounted to move wherever it is required. Note the small blower and eductor with no moving parts. Control panels can be provided with motor starters, interface and safety locks, and interface with destination level controls.

A CART- MOUNTED BLOWER + EDUCTOR SYSTEM

Fully sanitary eductors can be provided when required for brewery, food, and pet food applications.

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