

Applications of Fox Venturi Eductors

Case Study No. 55

Product : Sugar-coated puffed rice, from sugar coating reel

1/8" x 1/8", 12.5 lbs/cu ft. Very friable.

Problem : This custom-packer of food products required a highly reliable method to convey fragile puffed rice from a sugar coating reel over 50 ft to a receiving vessel. From there, material was packaged as final product. Of course, this extremely fragile product had to be conveyed with very minimal degradation.

Solution : Fox Valve conducted extensive conveying trials with the actual product at Fox's test lab. Sieve analysis of the conveyed samples by the customer revealed that it was indeed possible for an eductor to convey the product within acceptable degradation limits. Fox's bleed valve arrangement enabled reduction of transport velocity to a surprisingly low level, which resulted in the positive degradation results. A small, 10 HP Rotron blower was selected to drive a 6" sanitary eductor, which handled up to 4500 pounds per hour of product.

Conveying Extremely Fragile Puffed Rice from Coating Reel with Sanitary Fox Venturi Eductors

