

# Conveying Fragile Puffed Rice from Sugar Coating Reel

CASE STUDY No.

55

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## Applications of Fox Venturi Eductors

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

### PRODUCT

**Sugar-coated puffed rice, from sugar coating reel**  
1/8" x 1/8", 12.5 lbs/cu ft. Very friable.

### PROBLEM

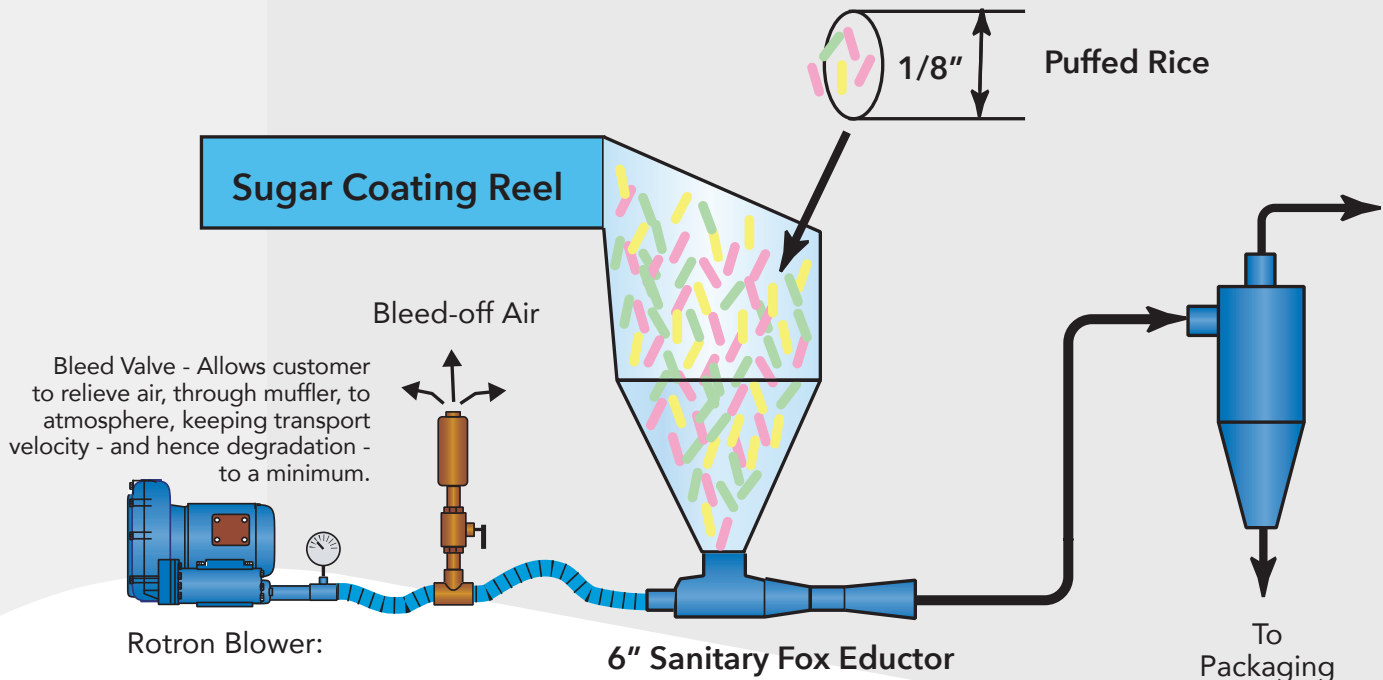
This custom-packer of food products required a highly reliable method to convey fragile puffed rice from a sugar coating reel over 50 ft to a receiving vessel. From there, material was packaged as final product. Of course, this extremely fragile product had to be conveyed with very minimal degradation.

### 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



FOR MORE INFORMATION:

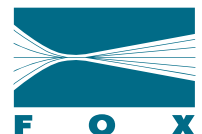
Video: [Eductor Replaces Rotary Valve](#)

Visit Our [Food Web Page](#)

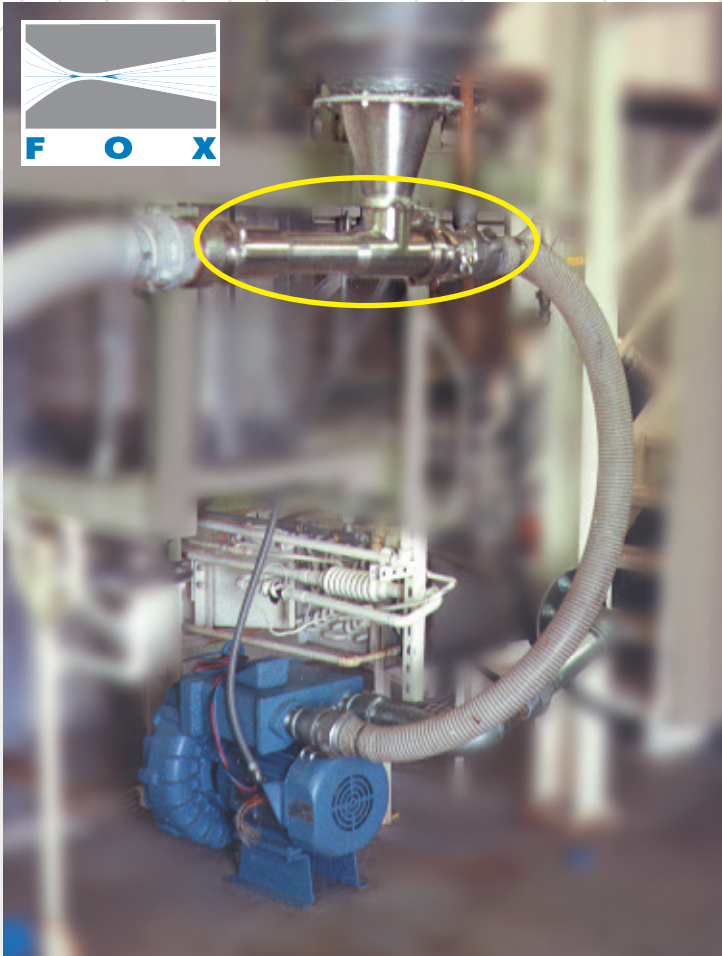
**FOX VENTURI EDUCTORS**

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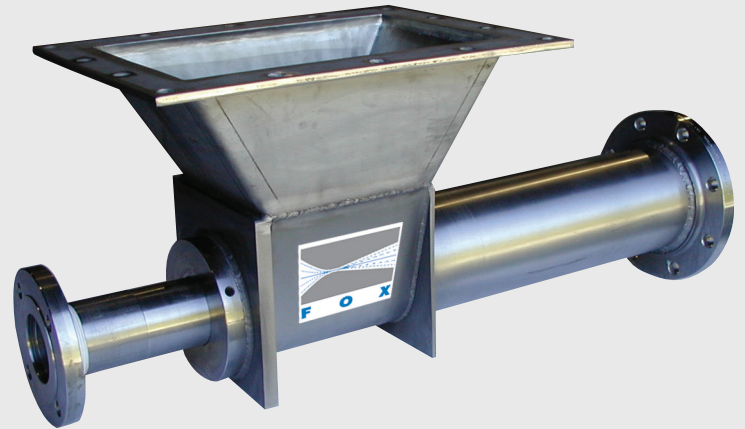
[WWW.FOXVALVE.COM](http://WWW.FOXVALVE.COM)



## Conveying Fragile Puffed Rice from Sugar Coating Reel



A Fox Venturi conveying system for handling powdered milk from a spray dryer includes a cooler for reducing conveying air temperature.



A Venturi Eductor with an enlarged suction port and a custom flange that mates directly to process equipment outlet.



A fully sanitary/food-grade Venturi Eductor for use with food products.