

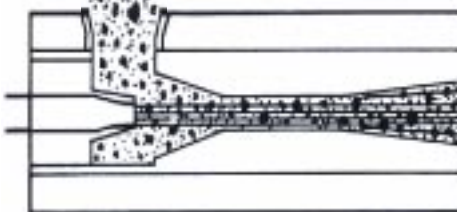
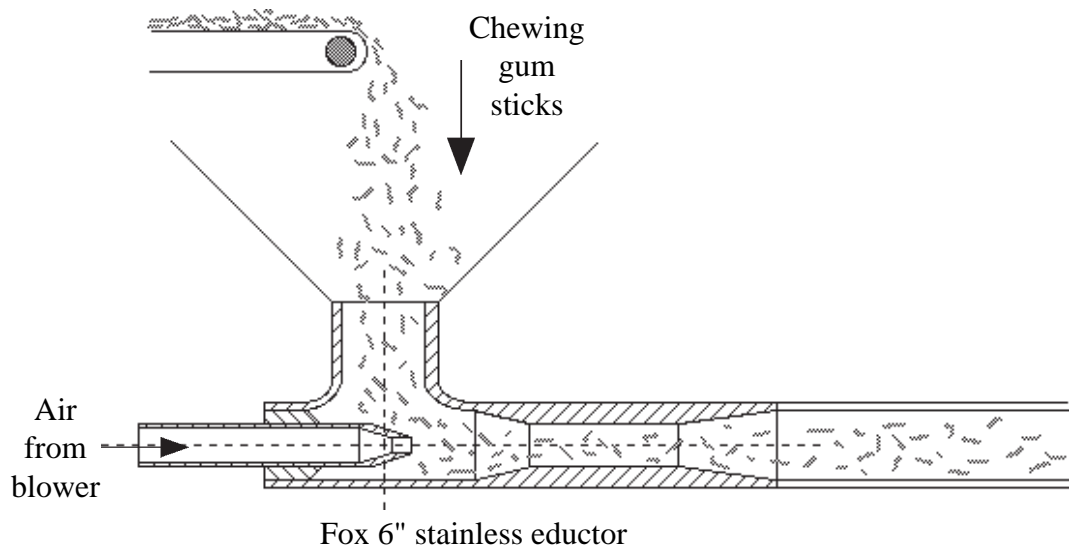
# Applications of Fox Venturi Eductors

## Case Study No. 26

**Product:** Chewing gum sticks  
2" long, 5/8" wide, 1/16" thick, soft and temperature sensitive.

**Problem:** Confectionery product reclamation  
A well known Chicago manufacturer of confectionery products needed to convey 15,000 lbs/hr of reject chewing gum to a reprocessing area. An existing system was performing this function, but not without problems. It was a positive pressure, pneumatic conveying system fed by a rotary valve and the gum was continually sticking to the moving rotors and clogging them, causing damage to the product and overloading the airlock motor.

**Solution:** A 6" stainless eductor was installed in place of the airlock and was supplied with 900 SCFM from a positive displacement blower. The smooth eductor internals and no-moving-parts design has entirely eliminated the product damage and continuous maintenance requirements of the old system. A second identical system will soon be installed with an identical 6" eductor.



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