

# Applications of Fox Venturi Eductors

Case Study No. 64

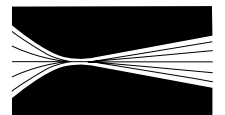
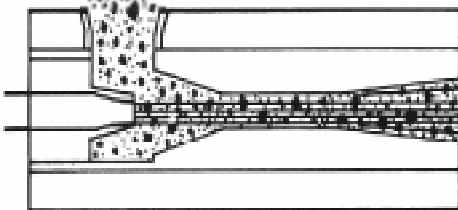
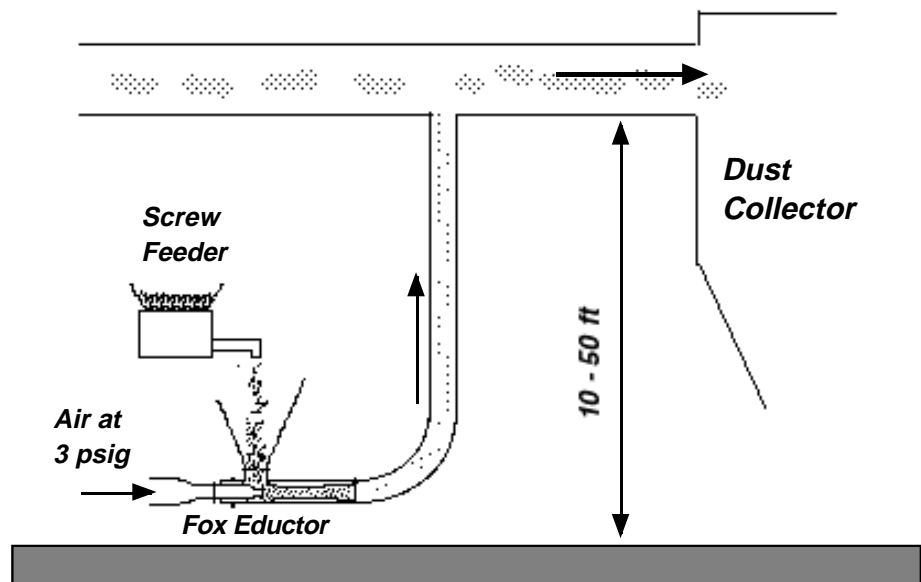
**Product :** Pulverized limestone, Talc, Calcium Carbonate

**Problem:** Pollution control regulations demand that foundries and other industries capture finer and finer particle sizes to reduce aggregate particulate emissions. Pre-Coating, or seeding filter media with limestone, talc, or hydrated lime can significantly improve filter media's ability to capture fine particulates. Screw feeders are used to dose the precoat, and these are often located 10 - 30 feet above ground, near the duct, so the feeder can auger powder directly into the line. This incredibly inconvenient location makes material handling (reloading the feeder's hopper) a major headache, which can be very labor-intensive.

**Solution :** Using a Fox eductor driven by a small, quiet Rotron blower (not a pd!) running at 3 psig, the Fox/Eductor additive injection system can be located at ground level, up to 100 feet away from the duct, vastly simplifying material handling, feeder maintenance, etc. A 2" line delivers precoat.

## ***Pre-Coating of Filter Media***

***Additive injection into ducts located near a ceiling can now be accomplished with an easily-accessible injection system located on your plant floor.***



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