

# Applications of Fox Venturi Eductors

Case Study No. 65

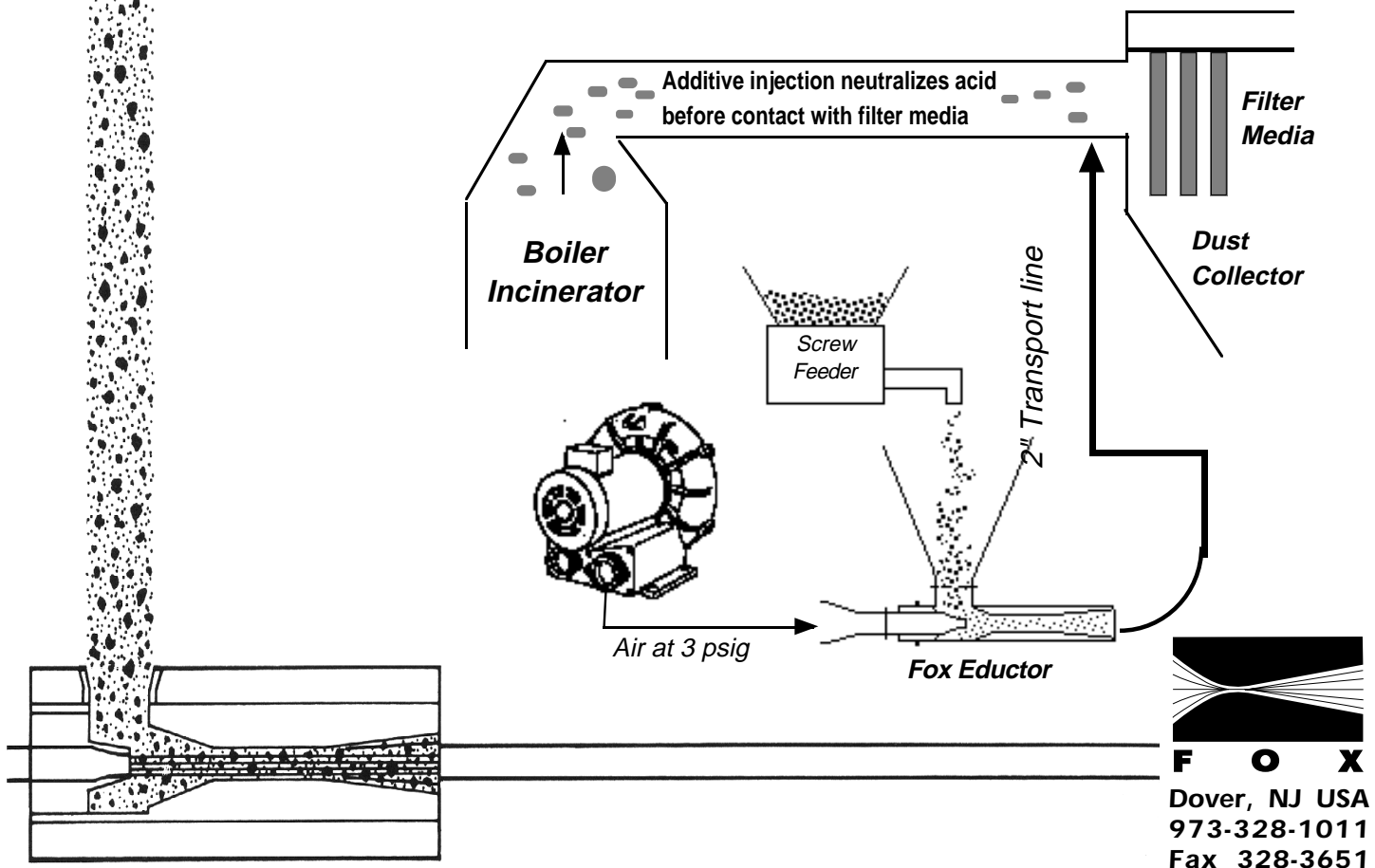
**Product :** Pulverized limestone, hydrated lime

**Problem:** Gasses from incineration and combustion processes frequently contain acidic compounds that can severely damage the filter media in the dust collectors used to trap combustion particulates. Acid neutralization of these compounds is usually accomplished via injection of a small quantity of a calcium-based mineral (limestone, calcium carbonate) metered by a screw feeder. Some companies locate these feeders 10 - 30 feet off the ground so the feeder can auger product directly into the duct. This inconvenient location creates complicated material handling (to refill the feeder's hopper) which can be 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.

## Acid-Neutralization using Fox Eductors

*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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