

Cement Plants! You CAN Escape the Maintenance Treadmill of Screws, Airlocks, and Bucket Elevators!

Fox Venturi Eductors have been installed at cement plants for over twenty years, retrofitting dozens of 1950's style conveying systems: (screw conveyors + airlocks + bucket elevators) with simple, elegant conveying systems that **work reliably, don't need constant maintenance, and don't leak dust.**

Convey:

- **Clinker and Cement**
- **Kiln Spills to 1600° F**
- **Alternative Fuels/Biomass Injection**
- **Dust with no Fugitive Dust Emissions**

Which looks easier to maintain?

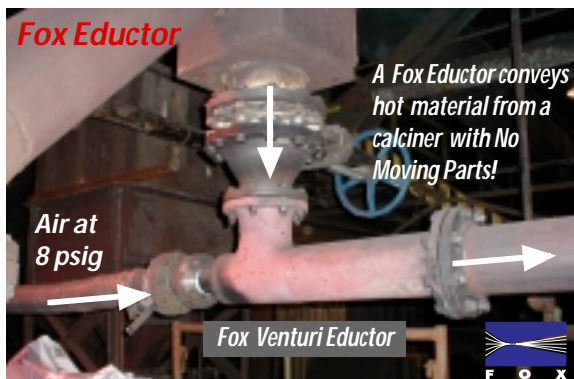
- a) Before: The rotary airlock, shown at right, or
 b) After: Replacement of the airlock with a Fox ceramic-lined eductor? (Bottom right)



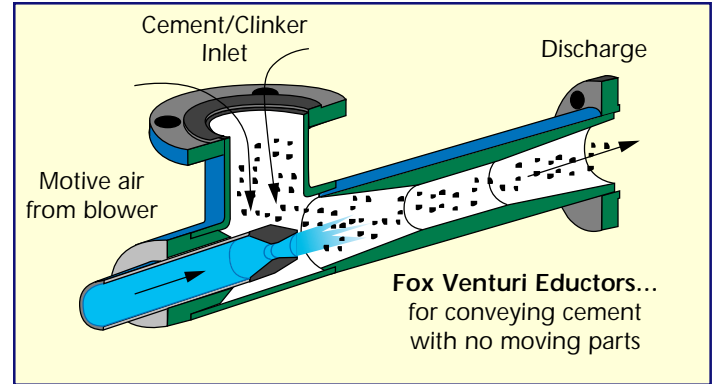
With no moving parts, Fox eductors are working beneath dust collectors, kiln spills, and calciners, eliminating the hugely expensive sets of screw conveyors and buckets that are usually used for many of the simple conveying tasks required within a cement plant. Learn what your sister cement plants within your company, or other plants in North America and Europe are doing to reduce labor, dust, and maintenance shutdowns by using Fox Venturi Eductors.



Can your existing transport equipment (screws, airlocks) convey HOT cement at over 1000° F with No Maintenance and No Moving Parts? Fox Eductors can!

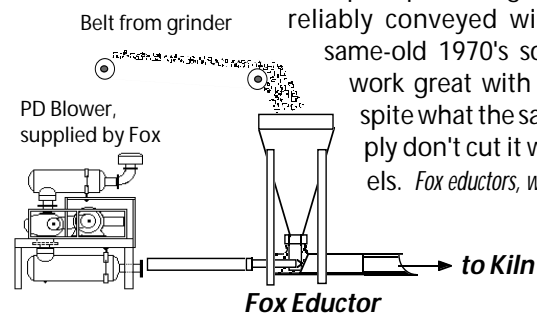


Fox Venturi Eductors
 Dover, NJ 07801 USA 973.328.1011
 email: info@foxvalve.com



Alternate Fuels/Biomass Injection

Fox eductors are commonly used to eliminate rotary airlocks and screws from alternate fuel feed systems that need to be highly (24/7) reliable. Irregularly shaped alternative fuels like rubber crumb, shredded carpets, plastic regrind, etc cannot be reliably conveyed with the same-old, same-old 1970's solutions that may work great with cement but - despite what the salesmen says - simply don't cut it with alternative fuels. Fox eductors, with no moving parts, are currently operating in many applications like this.

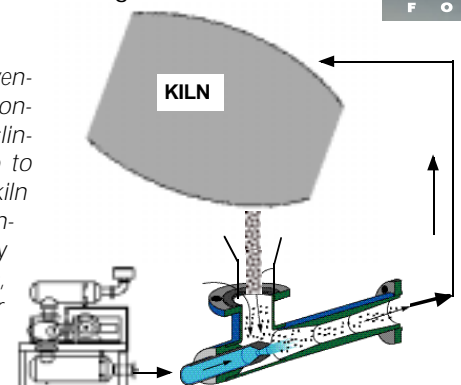


Kiln Spill

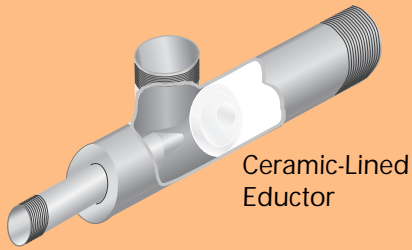
This cement plant in Illinois had about 2000#/hr of cement at 1200°F spilling from its kiln. Since none of the usual suppliers to the cement industry they contacted seemed to know about venturi eductors, there seemed to be no way to automate the collection and conveying of this hot material. Instead, it was allowed to fall into a large dusty room, shown below, where it cooled, and was then manhandled by workers driving front end loaders.



With no moving parts, a venturi eductor can easily convey hot cement, ash, or clinker at temperatures up to 1600°F. In this schematic, kiln spill is collected by a 4" stainless eductor and simply conveyed back to the kiln, using air from a pd blower at about 8 psig.



Ceramic-Lined Eductors



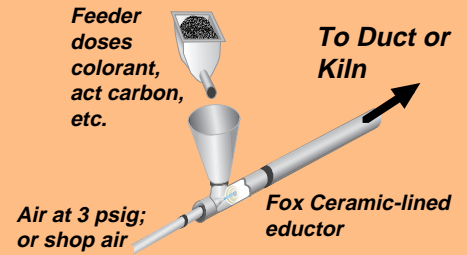
Fox **Ceramic-Lined Eductors** have been used by cement plants since the early 1980's. Liners are field replaceable. Tool steel and other liners are used where hi-temps preclude use of ceramic. Eductors and liners in 1-1/2" thru 6" sizes are always in stock for shipment in 2 - 4 days!

Eductors Installed Beneath Dust Collectors, Grinders, and Replacing Airlocks



Did you think all venturi eductors had itty-bitty, round openings? Fox **Eductors** can have any type of enlarged product inlet to facilitate installation under screws, dust collectors, grinders, etc. Flange inlet can be made to match outlet flange.

Additive Injection:



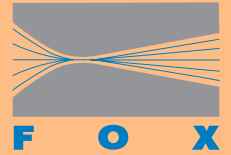
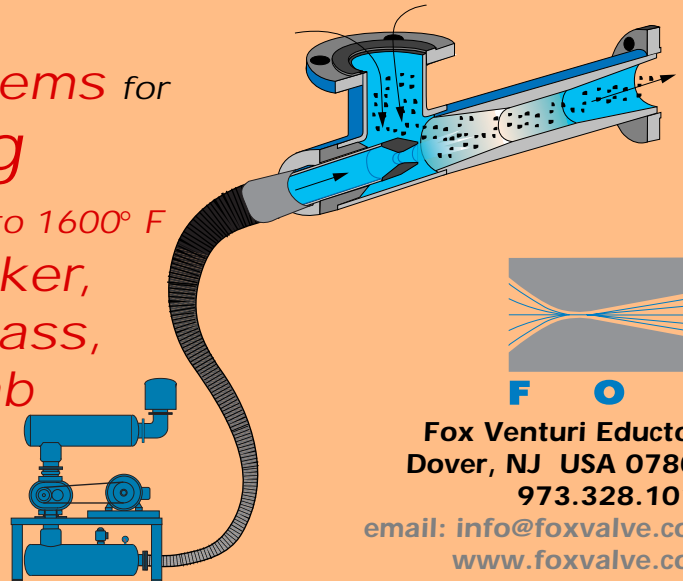
Fox **Additive Injection Eductors** are used throughout the cement industry for easy, maintenance-free conveying of additives such as colorants, chemical additives, sorbents, or, for flue gas conditioning, activated carbon or other additives into stacks or ducts.



Fox Venturi Eductor Systems for Conveying

*Kiln Spills up to 1600° F
Cement, Clinker,
Flyash, Biomass,
Rubber Crumb*

with
No Moving Parts!



Fox Venturi Eductors
Dover, NJ USA 07801
973.328.1011

email: info@foxvalve.com
www.foxvalve.com

Fox Venturi Eductors

Hamilton Business Park, Unit 6A
Dover, NJ 07801

Cement Plants!
Convey Clinker, Dust,
Cement at 1600° F,
Alt. Fuels, Biomass
w/ No Moving Parts!
Eliminate
Screws, Airlocks,
w/ Fox Eductors