

Conveying Alternative Fuel/Waste into Cement Kiln

CASE STUDY No.

74

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Applications of Fox Venturi Eductors

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

PRODUCT

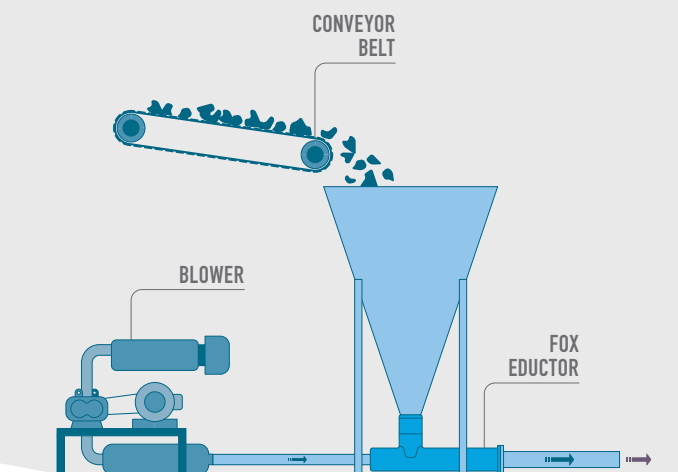
Biomass or Alternative Fuel/Waste injected into Cement Kiln for disposal and energy value. Ground tires/Rubber Crumb, Shredded carpets, Waste paper, Biomass: Rice hulls, Crushed Cotton Seeds, etc. Particle Size: From powders to 2" (50 mm) long carpet shreds and ground tire Bulk Density: 10 - 100 lbs/ft³ Convey Distance: 20 - 300 ft

PROBLEM

Alternative and waste fuels, used in cement production, decrease dependence on non-renewable fossil fuels and reduce pollution. Operators of cement kilns need to be able to use a broad range of alternative fuels. Pneumatic conveying systems using airlocks simply do not deliver the required 24/7 reliability these plants require.

SOLUTION

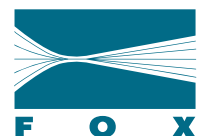
Conveying ground tires, alternatives fuels, and biomass into cement kilns with Fox Venturi Eductors enables a conveying system with no moving parts to deliver product to the kiln with very high reliability. Fox has supplied dozens of large, wear-treated eductors and matched blowers to plants all over the world, conveying all kinds of fuels. Cement plants have also been using Fox eductors to convey pebble lime, clinker, ash, and cement since the 1970's. Fox typically supplies the integrated blower+hopper+eductor system.



FOR MORE INFORMATION:

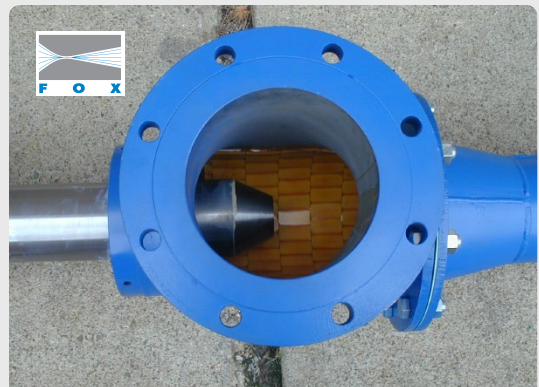
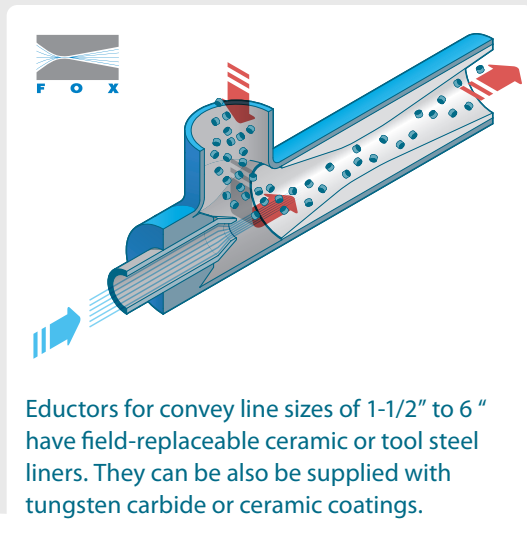
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- Visit our [Cement Industry Page](#)

FOX VENTURI EDUCTORS
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WWW.FOXVALVE.COM





This Fox eductor, in blue, bolts up to the outlet of a long belt conveyor carrying wood chips.



For conveying line sizes from 8" to 16" , Fox eductors can be lined with ceramic tiles, tungsten carbide or hard weld overlays.