

High-temperature Flue Gasses + Lime Slurry Mists = Scale

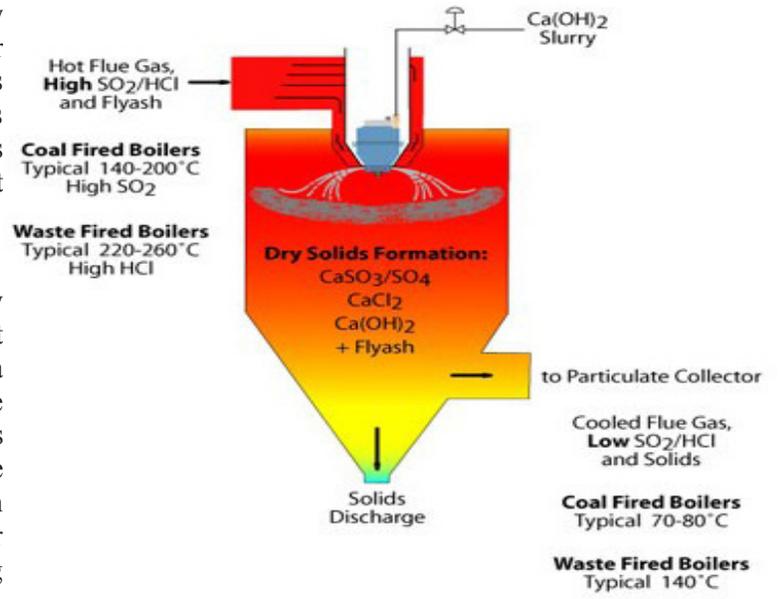
THE MOST EFFECTIVE WAY TO CONTROL SCALE ON ATOMIZER WHEELS



Flue Gas Desulfurization

To meet EPA and other emissions standards, large electric utility boilers (mainly coal combustion), pulp and paper mills and other types of industrial plants are required to “scrub” their emissions to minimize the release of certain chemicals. The term flue gas desulfurization (FGD) is part of this scrubbing process and has traditionally referred to wet scrubbers (lime-slurry-based) that remove sulfur dioxide (SO₂) emissions.

In an FGD system, flue gasses come in contact with lime slurry mists created from atomizer wheels and/or nozzle sets. The contact of this lime slurry with sulfur dioxide in flue gas streams causes a reaction that drops out the sulfur in the form of gypsum, therefore reducing these emissions into the surrounding atmosphere. This technology is inherently prone to maintenance issues as anytime the lime slurries are combined with high temperature, calcium scale problems result. The scale commonly occurs on atomizer wheels and can possibly cause issues with emissions not being scrubbed properly, which can result in large fines, plant closures and unwanted litigation.



Atomization occurs on nozzle when hot flue gas mixes with slurries.

“WHAT IF WE TOLD YOU ABOUT A FASTER, SIMPLER AND MORE EFFICIENT WAY TO TAKE ACTION ON RAPIDLY-GROWING SCALE FORMATION ASSOCIATED WITH THESE SYSTEMS”?

Controlling Calcium Scale Can be Simple



ScaleBreak comes in a variety of sizes and formulas

As scale continues to accumulate on the atomizer wheel and nozzles, the less effective power plant scrubbing systems become. Continuous maintenance to remove the scale buildup is required to minimize this impact. Historically, this has required considerable effort with mechanical solutions at the large expense of labor and time. What if we told you there’s a faster, simpler and more efficient way to take action on rapidly-growing scale formation associated with these systems? ScaleBreak is an advanced and effective liquid descaler solution by Goodway that dissolves mineral deposits faster than any other liquid descaler on the market! It’s easy-to-use and safe on steel, iron, brass, copper and other materials associated with FGD systems. It can also help clean grit screens and other areas of the plant where scale can form.

Take action on your plant’s flue gas scrubbing system and learn more ways ScaleBreak can effectively control scale problems in FGD systems today!