

PIG SLURRY ACIDIFICATION SYSTEM



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IT ALLOWS TO REDUCE THE PH OF THE SUSPENSION BELOW THE DESIRED POINT; <6.5PH

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Description

The slurry acidification system enables the reduction of ammonia emissions from the slurry into the atmosphere when it is in the storage lagoons and also when it is being applied, with a 50% reduction in emissions.

The acidification system is used after a solid-liquid mechanical separation. During the process, an acid (98% sulfuric acid) is injected reducing the pH of the slurry below <6.5 pH. This reduction is controlled by two pH sensors, one at the system inlet and the other at the outlet.

It is a compact system that allows the pH of the slurry outlet to the lagoon to be constantly reduced and offers a resulting slurry with a higher agronomic value because it has a higher nitrogen content.

Advantages

- ✓ Reduction of ammonia emissions of the slurry up to 50%
- ✓ Constantly reduces the pH of the slurry outlet in the lagoon.
- ✓ The resulting slurry has more agronomic value because it has a higher Nitrogen content.