



THE ADMIX DISSEMINATOR

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*News and Information
from Your Sanitary
Mixing Partner*

IN THIS ISSUE... The Fastfeed Improves Efficiency, Safety, & Profits!

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The Fastfeed Powder Induction & Dispersion System makes costly problems disappear!

A Dairy Processor realized their inefficiencies were eating into their margins. They were having several problems (let's call them pain points) adding calcium and stabilizers to skim milk. Operators were slowly sprinkling 40 lbs/18 kg of powder into a hopper positioned 5 ft/1.5 m off the floor. At the same time, skim milk was being pumped under the hopper.

Pain Point #1 – Inconsistent Pouring and Clogged Hoppers: If operators sprinkled too fast, the hopper would clog. If sprinkled too slow, it extended batch times even further. We see this inefficient method a lot.

Pain Point #2 – Product Waste: The processor depended solely on a centrifugal pump located just downstream of the hopper to "mix" the powders in a single pass. The mixture was pumped directly into a 60,000-gallon/227,125-liter silo containing only a side entry agitator. However, when emptying the silo, there was typically up to 8 in/20 cm of undispersed powders that went completely to waste.

Pain Point #3 – Unsafe Ergonomics: Operators were hoisting heavy bags to their shoulders and trying to (unsuccessfully) maintain a steady sprinkle into the hopper. This caused significant dust issues not to mention risk of injury, neither of which are inexpensive problems.

QUICK FACTS

Industry: Dairy

Customer: Processor that provides private label and house-branded dairy products

Application: Calcium and stabilizer into skim milk

Problems: Inefficient powder induction, unsafe ergonomics, product waste

Admix Solution:
Fastfeed 425 Powder
Induction & Dispersion System

5 HP on DynaShear | 7.5 HP on Vacuum Pump



On-Site Trial Results: A Fastfeed 425 21-day trial was recommended. Onsite during Trial Start-Up the operators were overwhelmed with the difference. They no longer had to "hoist, hold, and sprinkle". Instead, they laid the bags on the Fastfeed table at waist height, cut the bags and merely nudged the powder in! The powders flowed smoothly through the Fastfeed hopper and generated much less dust than with their previous method, saving product cost and improving plant safety. In addition, when they emptied the silo, the bottom was PERFECTLY CLEAN... no undispersed powders were left behind!

With all their pain points addressed, the customer didn't have to think twice about purchasing the unit post-trial.

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