

AIRSWEEP HELPS WITH 62% REDUCTION IN FLOUR FLUSH AND SAVES COMPANY \$200,000

A large U.S. manufacturer of food, food ingredients and flavor products uses ribbon blenders for custom blending of ingredient batches. Each batch must contain specific amounts of ingredients such as spices and other seasonings to comply with the customer's proprietary recipes.

To clean the blenders between batches, they used a flushing routine which involved manually loading flour into the blenders, running the equipment for a set amount of time, and then emptying the equipment of all the flour and stray ingredients.

THE PROBLEM

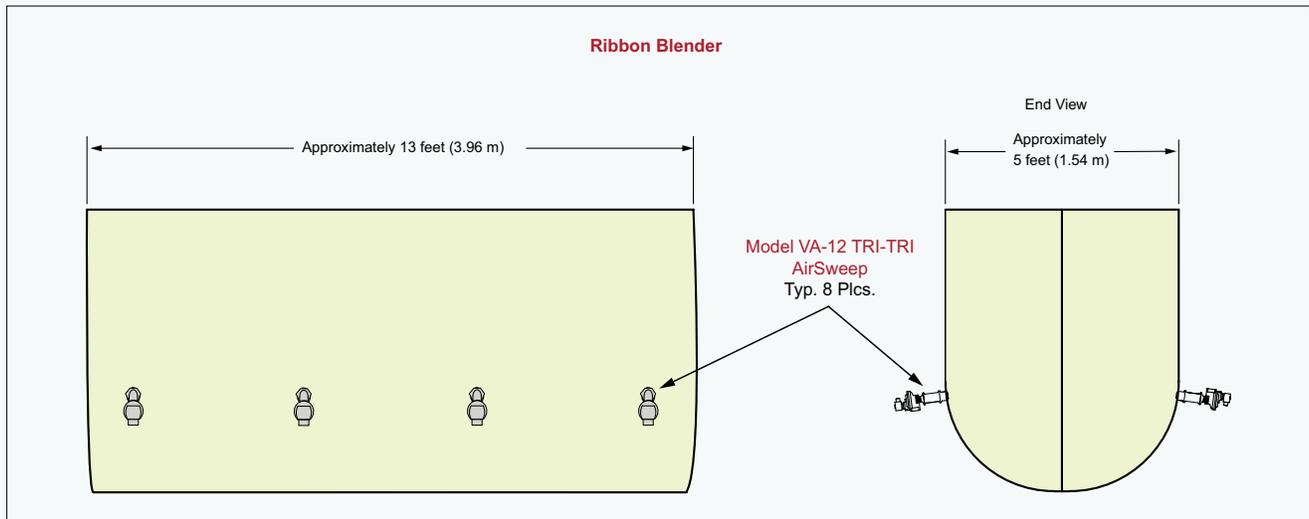
With manufacturing facilities in 25 different countries across the globe, the company was interested in **improving the flushing process** between the custom batches of ingredients. The company was looking to decrease the flushing time for the ribbon blenders, hopefully leading to a decrease in labor, saving money.

THE SOLUTION

The company installed [eight VA-12-TRI-TRI](#) units on a trial basis on a **ribbon blender and associated hoppers** to help streamline their flushing process. Four units were placed on each side of the blender, approximately 1 foot (0.3 m) above the bottom. The tri-clamp mount system of the "TRI-TRI's" allows for installation and removal of the nozzle from the process vessel in seconds, without tools, for fast change-out of components or cleaning/sanitizing. AirSweep Tri-Clamp models are manufactured from 316 stainless steel making them ideal for food processing applications.



3/4" VA-06-TRI-TRI shown with solenoid valve



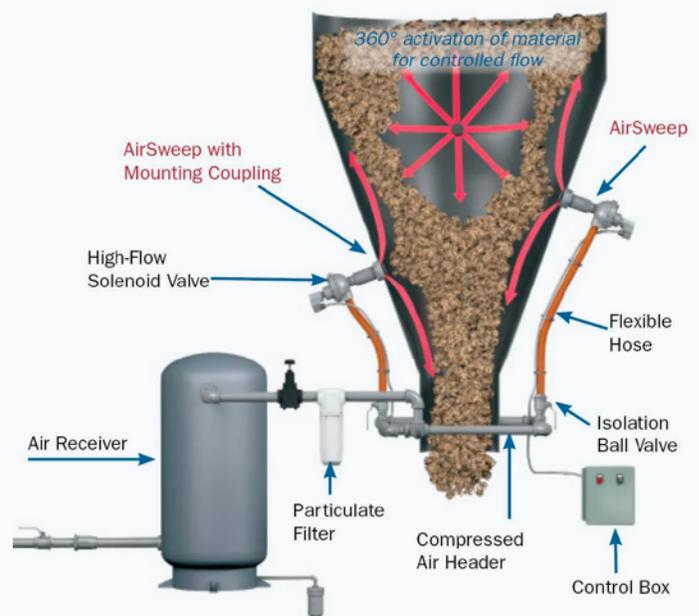
RESULTS

The company experienced a **62% reduction in flour flush** and **42% reduction in labor**, all directly attributed to the AirSweeps. **Cost savings from flush material reduction alone was around \$200K.**

Customer states: "Pretty awesome little devices!"

HOW AIRSWEEP WORKS

1. Each AirSweep® nozzle disperses a powerful burst of high-pressure, high volume air or inert gas in 250 millisecond bursts.
2. The quick pulse sends a shock wave along the inner vessel wall, lifting and activating stalled material and breaking the friction bond between the material and vessel wall.
3. The system is pulsed in a pre-set sequence when material is to be discharged from the bin.
4. A typical system will consist of 3 or 4 AirSweep® nozzles, high-flow solenoid valves, sequence timer/controller, air filter, regulator, air receiver, flex hoses and ball valves.



MORE INFORMATION

[AirSweep Tri-Clamp Models webpage](#)

[AirSweep Tri-Clamp Product Sheet \(PDF\)](#)



Control Concepts, Inc. provides a 7-year warranty on the AirSweep® unit.

OUR CLIENTS IN THIS INDUSTRY INCLUDE



AIRSWEEP® IS USED BY MORE THAN HALF OF S&P 500 COMPANIES

Contact us for a custom engineered AirSweep solution

[CONTACT US](#)



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