

Delicato Uses Wine-COR for High-Quality Wine Production



Overview

Delicato Family Vineyards turned to Koch Separation Solutions to upgrade their wine filtration technology to be able to meet higher demand in the most economical and environmentally efficient way.

Objective

Delicato aimed to replace existing pad filtration and other wine clarification technology with KSS membrane filtration technology to increase production volume, lower their operating costs, and reduce their waste and landfill output.

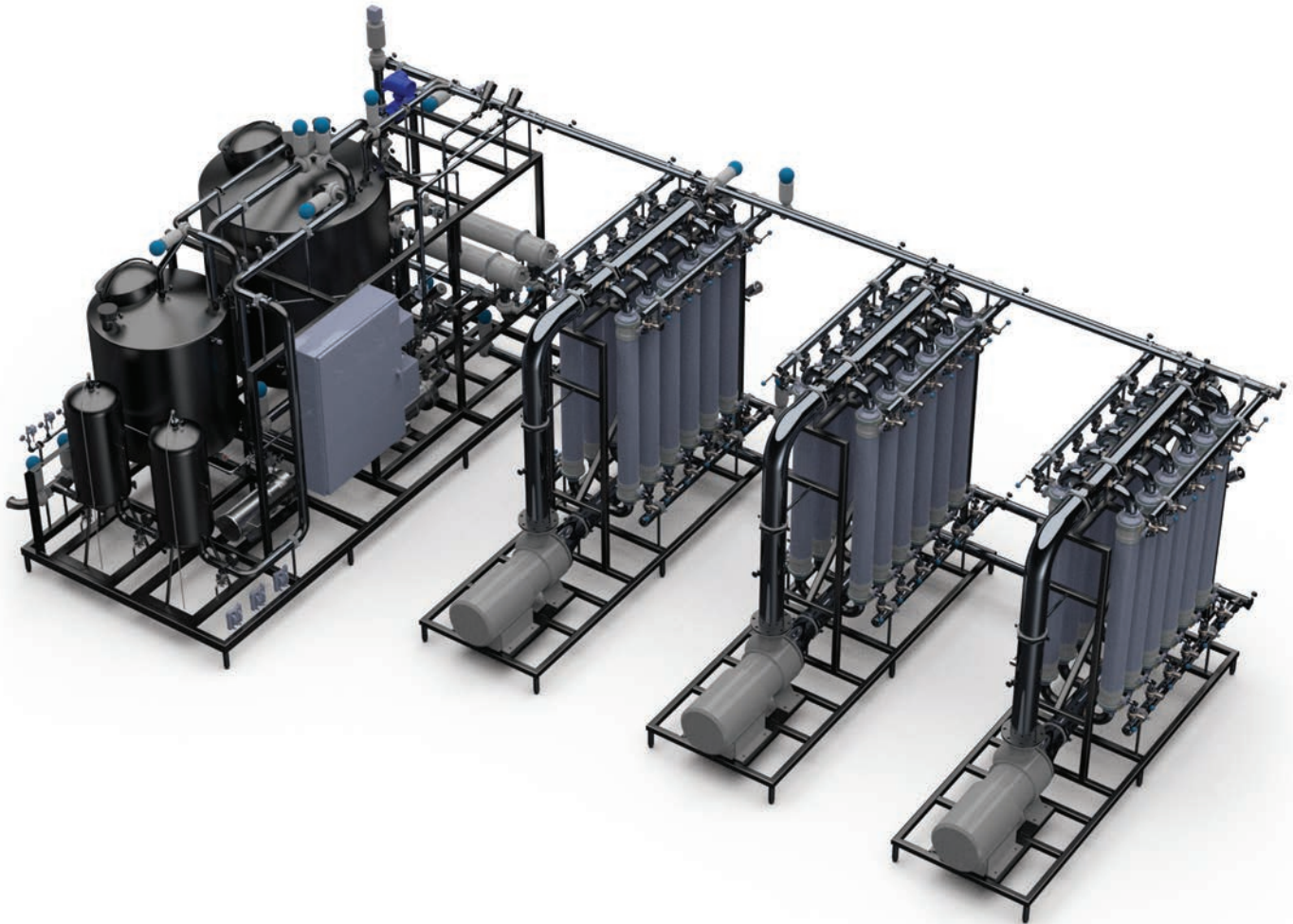
Solution

KSS offers WINEFILTER crossflow hollow fiber membranes that are uniquely designed for wine filtration. These microfiltration membranes are constructed using asymmetrical pore structure, allowing for up to 99.5% wine recovery and optimal clarification while maintaining color, taste, aroma, and alcohol content.

At Delicato, a new Wine-COR P-36 system was installed to treat red and white wine alike prior to bottling. This system produces between 4,000 and 6,000 gallons per hour (about 15 to 22 cubic meters per hour) with extremely low wine loss, through 36 WINEFILTER hollow fiber membranes. The Wine-COR P system is easily expandable to 48 membranes should Delicato's capacity requirements increase.

As in most wineries, high quality water is in short supply. The Wine-COR system came equipped with onboard water filtration equipment which allows for on-skid treatment of well water to produce CIP make-up and rinse water

Wine-COR P-36 System



Achievements

This project called for a unique solution, and KSS was able to deliver a solution to meet the needs of the winery. Delicato eliminated the need for pad filtration and now benefits from high quality membrane filtration at lower operating costs. The Wine-COR P system allows for overnight operation without the need for operator input by automatically initiating CIP at completion of a filtration run.

Additionally, KSS has continuously demonstrated exceptional customer service and professional technical support with a service agreement and guaranteed 24-hour response.

Takeaways

KSS was the ideal solutions provider for Delicato in their time of rapid business expansion. KSS met the needs of the winery by supplying a high-quality Wine-COR P crossflow microfiltration system at a competitive price.



Koch Separation Solutions, Inc.

850 Main Street, Wilmington, MA 01887

Main: +1-978-694-7000 • Fax: +1-978-657-5208 • Toll Free: +1-888-677-5624