

SRI Continuous Vacuum Pans

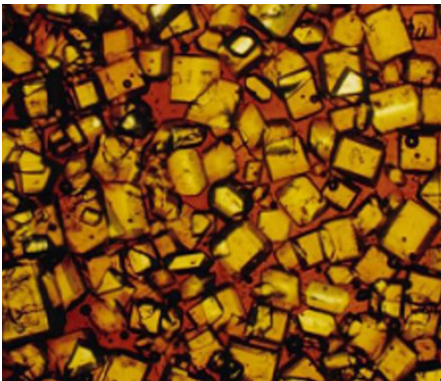


Sugar Research Institute's Continuous Vacuum Pan design produces high massecuite exhaustion, consistent crystal size and improves energy efficiency.

Designed in-house by SRI's world-renowned experts, *SRI Continuous Vacuum Pan* designs are suitable for A, B and C massecuites and are configured to optimise upstream and downstream plant capabilities.

SRI Continuous Vacuum Pan designs are available in a range of sizes from 75m³ to 220m³ or custom designed to specific factory requirements.

Importantly, the pan's vapour demand is surge-free and consistent with steady-state boiler operation and evaporator performance for extended periods.



High massecuite exhaustion

The unique multi-compartment configuration achieves plug flow throughout to produce ideal conditions for crystal growth and maximum crystal content.

Optional SRI-designed jigger tubes or mechanical stirrers maintain performance even on high-viscosity C massecuites.

Improved energy efficiency

A low massecuite boiling height improves heat transfer across the full depth of the calandria because the low static head ensures maximum heat transfer. SRI's design improves energy efficiency by using excess V1, V2 or V3 vapours to best effect.

Crystal size consistency

Crystal growth is controlled and size is consistent with low crystal size variation, delivering consistent downstream benefits for crystalliser, reheater and centrifugal operations. The result is lower wash water usage, faster centrifugal cycle times, and reduced sucrose loss.

Design packages

SRI Continuous Vacuum Pan design packages include:

- Layout, condenser, body and tube plates design
- Mechanical design to international standards (optional)
- Functional specification including control schema
- Operations manual

SALES

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