Cail & Fletcher vertical crystallizer and massecuite reheater

Maximize molasses exhaustion and ensure best massecuite quality for optimum centrifugal performance

- A cost-effective solution to maximize capacity
- Outstanding performance
- Low maintenance, compact footprint
A COST-EFFECTIVE SOLUTION FOR MAXIMIZING CAPACITY
— Purity drop achieved in molasses is between 5 and 10 points
— Low electricity consumption: 0.03 to 0.05 kWh per ton of cane

LOW MAINTENANCE REQUIREMENTS, SMALL FOOTPRINT
— 100% seamless tubes fixed
— 100% tubes junction welds outside the equipment
— The system is clean
— Stand-alone equipment installed on exterior civil base

OUTSTANDING PERFORMANCE
— Centre shaft suspended in heavy duty spherical roller bearing
— High heat transfer coefficient and low temperature difference between massecuite and water
— Maximum exhaustion by combined control of massecuite shear rate and control of temperature
— High height to diameter ratio in order to enhance the plug-flow effect
— S/V ratio from 1.1 to 1.9 m$^2$/m$^3$
— Reheater of high heating surface (up to 1,400 m$^2$) and optimized upstream flow characteristics with no dead zone, designed to avoid sugar losses and any inverted or burnt sugar

OPTION
— Mobile tube layers technology for high capacities

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