



SUGAR
RESEARCH
INSTITUTE

SRI Robert Evaporators

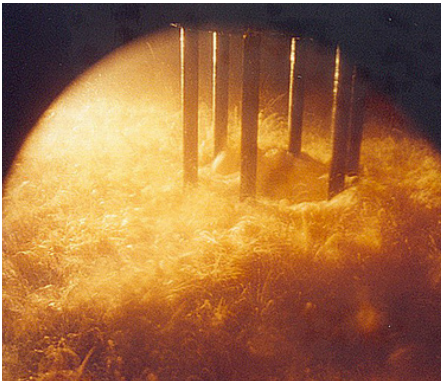


Sugar Research Institute's highly efficient Robert Evaporator design improves juice processing rates and steam economy.

Designed in-house by SRI's world-renowned experts, *SRI Robert Evaporator* designs improve performance for sugar mills and refineries that are dependent on vapour bleeding for juice heating or pan stage boiling.

SRI provides customised designs to any size for new vessel installations or upgrades of existing evaporators to SRI design principles.

SRI Robert Evaporator design advantages include simple construction, stable control of juice volume and easy access for maintenance and scale removal.



Improved juice flow

SRI's factory proven evaporator design improves juice flow, vapour, condensate and gas flows in the vessel.

The *SRI Robert Evaporator* design produces a superior juice flow pattern that moves radially from the outer diameter to the inner diameter of the vessel.



Improved steam economy

Heat transfer coefficients values for the *SRI Robert Evaporator* design are on average 10 to 20% higher than the typical heat transfer coefficient achieved in conventional evaporators operating under similar processing conditions.

This improved heat transfer coefficient is attributed to the improved separation of the inlet and outlet juice within the vessel.

Design packages

SRI offers a range of design packages for new evaporators or retrofits to existing vessels for sugar mills and refineries.

SRI Robert Evaporator design packages include:

- Advice on vessel sizing and evaporator set configuration
- Retrofits to existing vessels to incorporate SRI technology
- Mechanical design to international standards (optional)
- Functional specification including control schema
- Operations manual

SALES

For sales enquiries contact SRI or one of our global affiliates or agents:

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