

SRI Short Retention Juice Clarifiers



Sugar Research Institute's Short Retention Juice Clarifier design maximises sucrose retention and minimises the resources used to produce clear juice.

Designed in-house by SRI's world-renowned experts, *SRI Short Retention Juice Clarifier* designs efficiently separate mud from the clear juice in the cane clarification process.

Based on a standard range of designs with diameters from 5 to 14 metres, SRI's *Short Retention Juice Clarifiers* effectively process juice from 2,000 to 24,000 tonnes of cane per day.

SRI's factory proven clarifier designs are easy to operate and are easily adjusted to changes in incoming mud levels and settling characteristics.



High sugar quality

SRI's computational fluid dynamics based design delivers a clarifier that achieves efficient laminar juice flow from inlet to outlet at high flow rates. Turbulence is minimised within the clarifier. The result is higher settling rates, lower bagacillo carry over and lower turbidity than competing designs.

High sucrose retention

Because juice spends less time at the elevated temperatures required for effective clarification, losses from sucrose inversion are minimised. Flow-on effects include more efficient crystallisation and improved purity.



Low chemical use

The optimal design of the *SRI Short Retention Juice Clarifier* means that less lime and flocculant is required to achieve satisfactory clarified juice turbidity.

Design packages

SRI offers a range of design packages for compact, high efficiency clarifiers for raw sugar factories.

SRI Short Retention Juice Clarifier design packages include:

- Clarifier body, flash tank and internals design
- Flocculant preparation plant and addition system design
- Lime saccharate preparation plant design
- Mechanical design to international standards (optional)
- Functional specification including control schema
- Operations manual

SALES

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