



# SHRIJEE SHORT RETENTION TIME (SRT) CLARIFIER



Why is Shrijee's  
SRT Clarifier  
the best?

- ✓ Higher sucrose recovery
- ✓ Brilliant clear juice and better sugar color
- ✓ Modern automation
- ✓ Easy operation & maintenance
- ✓ Less space requirement
- ✓ Reduced steam consumption
- ✓ Fast payback

# SHRIJEE SHORT RETENTION TIME (SRT) CLARIFIER

## HIGHER SUCROSE RECOVERY

Shrijee's special design has a short retention time of 30-45 minutes only. The short retention time results in less inversion leading to higher sucrose recovery and reduced color formation. Furthermore, the residence time for the juice is uniform throughout. Also, good mud settling means sucrose losses in outlet mud are reduced. In addition, the nicely compacted mud from Shrijee's SRT clarifier, improves the performance of the filter or decanter.

## BRILLIANT CLEAR JUICE AND BETTER SUGAR COLOR

Shrijee's efficient design of the flash tank with multipoint feed arrangement reduces juice fluctuation and inlet juice velocity. It reduces flock damage and improves mud settling. This increases mud density. It also reduces turbidity resulting in a brilliant clear juice without purity drop. Also, a shorter residence time means less pH drop resulting in less sucrose destruction and less color formation. The end result is better quality sugar.

## MODERN AUTOMATION

Modern equipment with latest automation features such as automatic polymer preparation & dosing system. This results in improved mud settling. Also included, automatic mud withdrawal system with respect to mud tank level.

## EASY OPERATION & MAINTENANCE

Shrijee's SRT clarifier is easy and safe to use. The single tray clarifier can be maintained using minimal manpower in quick time.

## LESS SPACE REQUIREMENT

Compact design has a smaller footprint (approximately 30% less). This reduces the cost of the foundation substantially. It can also be installed outside the factory shed. Shrijee's SRT Clarifier can be designed for installation on steel structure or reinforced concrete columns.

## FAST PAYBACK

All the above features make Shrijee's SRT the ideal choice for your sugar factory. The enhanced performance of the clarification system will result in more sugar with better color. In addition, the reduced steam consumption will aid the cogeneration section. Easy to maintain and operate, the maintenance costs also reduce. Small footprint brings down the foundation cost. Shrijee's SRT clarifier is cheaper than the multi-tray clarifier and pays for itself really soon.

## REDUCED STEAM CONSUMPTION

The shorter retention time means the temperature loss in the clarifier is minimal. Less vapor is required in the clear juice heater to raise the clarified juice temperature.

## CAPACITY RANGE

Crushing capacity range of 1,000 TCD to 20,000 TCD.

## SATISFIED CLIENTS

Pg. Tjoekir Sugar Factory, Indonesia | Chadha Sugars, India | Empee Sugar, India | Bannari Aman Sugar, India

# SHRIJEE

## 47 YEARS OF SUGAR TECHNOLOGY EXCELLENCE

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