



# SHRIJEE FALLING FILM EVAPORATOR (FFE)

Why is  
Shrijee's FFE  
the best ?



47 YEARS OF SUGAR TECHNOLOGY EXCELLENCE

### SHRIJEE FALLING FILM EVAPORATOR OPTIONS

- With External Vapour Separator
- With Integrated Enlarged Vapour Separator
- Integrated Inline Vapour Separator

### IMPROVES BOILING HOUSE PERFORMANCE

- Higher heat transfer co-efficient.
- Efficient entrainment separation – In built poly baffle and external two tier type vapour arrestor
- No boiling point of elevation
- Negligible retention time to avoid colour formation
- Unique design juice distributor in stainless steel
- Less floor space, no structure required
- High evaporation rate
- Efficient juice circulation and lesser scale formation, more run duration

### MODERN AUTOMATION

Efficient automation is provided considering all parameters such as:

- TT and PT transmitter for FFE body and calandria temperature and pressure measurement
- Level transmitter for juice level measurement
- Control valve for FFE out flow and level maintaining purpose
- Brix transmitter for outlet juice concentration
- Flow meter for juice recirculation measurement to maintain tube wetting ratio
- Flow meter for condensate flow measurement to check the evaporation rate

All above instruments are looped with PLC/DCS system and operated from one station, which saves the manpower

### MAINTENANCE REQUIREMENTS

- Hinged door manhole provided on each floor at body, calandria and at juice distribution system for convenient and easy maintenance
- For easy / fast cleaning tube cleaning space (appx. 2.0 meter) provided above the top tube plate
- For off crop maintenance manual/electrically operated monorail provided to open the FFE top cover and tube replacement

### FAST PAYBACK

All the above features make Shrijee's FFE the ideal choice for your sugar factory. The enhanced performance of the FFE will result in reduced steam consumptions will aid the cogeneration section. Easy to maintain and operate, the maintenance also reduces and in addition due to automation saves manpower. Small area and no staging / structure requirement makes it more economical and pays for itself soon.

### SATISFIED CLIENTS

QUANG NGAI SUGAR JOINT STOCK COMPANY, VIETNAM | KIBOS SUGAR & ALLIED IND. LTD; KENYA  
SCOUL, UGANDA | BANNARI AMMAN SUGAR, INDIA | SHREE RENUKA SUGARS LTD, INDIA

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