



Falling Film Evaporators (FFE)









Novel Distributor

Easy Maintenance

High Heat Transfer

Advantages

Range: From 150m² to 8000m²

- No Boiling Point Elevation
- Lower ∆T
- · Low Residence Time
- Less Colour Formation
- · Less Inversion Losses
- High OHTC



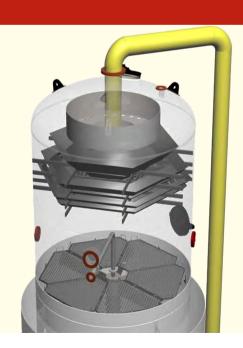


4 Nos. 6500 m² HSA FFE at Jawahar SSSK Ltd., Maharashtra, India

Salient Features

- Self-supporting Structure
- Maintenance-friendly 5 Stage Cascade Type Inbuilt Juice Distributor
- · Top Caps on each Tube
- Design Vetting rate 20-22 I/cm-h
- Sufficient headroom over top Tube Sheet for Easy Maintenance
- Fully Automated Operation
- Mild Steel or Stainless Steel Construction



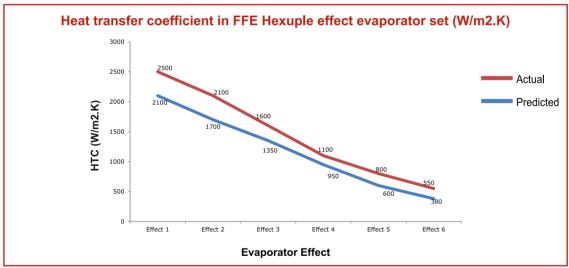




2500 TPD Standalone Refinery - Triple Effect Mill Concentrator Falling Film Evaporator at Durrah Advanced Development Company, Yanbu Port, Saudi Arabia

----- Predicted

— Actual











Isgec FFE Installations (210⁺ Nos)

| Heating Surface Area (m²) | No. of FFE Installed | Sugar Plant Name | |
|---------------------------|----------------------|---|----------------|
| 3500 | 4 | Agrolmos | Peru |
| 3340 | 10 | White Nile Sugar | Sudan |
| 2600 | 1 | Savannah Sugar, (Dangote) | Nigeria |
| 1500 | 2 | Durrah Sugar Refinery | Saudi Arabia |
| 1200 | 2 | Agrolmos | Peru |
| 1200 | 5 | White Nile Sugar | Sudan |
| 800 | 2 | Agrolmos | Peru |
| 800 | 1 | Durrah Sugar Refinery | Saudi Arabia |
| 350 | 2 | Ingenio Tala Refinery | Mexico |
| 8000 | 2 | Shiv Shakti Sugars Ltd. | India |
| 7500 | 1 | Y. M. Krishna SSK Ltd. | India |
| 6500 | 1 | Y. M. Krishna SSK Ltd. | India |
| 6500 | 3 | Jawahar SSK, Hupari | India |
| 6000 | 3 | Dalmia, Bharat Sugar, Jawaharpur | India |
| 6000 | 2 | Jawahar SSK, Hupari | India |
| 5700 | 6 | KPR Sugar, Karnataka | India |
| 5500 | 9 | DCM Shriram Ltd., Ajbapur | India |
| 5000 | 6 | DCM Shriram Ltd., Loni (Under Execution) | India |
| 5000 | 8 | Bindal Papers Mills Ltd. | India |
| 5000 | 5 | Shri Dutt India Pvt. Ltd. | India |
| 5000 | 2 | Swaraj India Agro Ltd., Maharashtra | India |
| 5000 5000 | 2 1 | KPR Sugar, Karnataka | India India |
| 5000 | 1 | Narmada Sugar | India India |
| 4700 | 2 | Rana Sugars Ltd. | India |
| 4500 | 3 | Shahukagal SSK DCM Shriram Ltd., Loni (Under Execution) | India |
| 4500 | 4 | Inamdar Sugars Ltd. (Under Execution) | India |
| 4500 | 5 | Triveni Engineering & Industries Ltd., Deoband | India |
| 4500 | 1 | Daund Sugar | India |
| 4400 | 1 | Mawana Sugar Ltd. (Under Execution) | India |
| 4000 | 2 | Inamdar Sugars Ltd. (Under Execution) | India |
| 4000 | 4 | Ajinkyatara SSK, Satara | India |
| 4000 | 1 | Venkteshkrupa Sugar Mills Ltd., Maharashtra | India |
| 3600 | 4 | Uttar Pradesh Cooperative Sugar, Munderwa | India |
| 3600 | 4 | Uttar Pradesh Cooperative Sugar, Pipraich | India |
| 3500 | 4 | Twenty One Sugar | India |
| 3500 | 4 | Belgaum Sugars Pvt. Ltd. | India |
| 3500 | 2 | Uttar Pradesh Cooperative Sugar, Pipraich | India |
| 3500 | 6 | DSCL Sugar, Hariawan | India |
| 3500 | 2 | Uttar Pradesh Cooperative Sugar, Munderwa | India |
| 3500 | 2 | Jaywant Sugars Ltd., Karad | India |
| 3300 | _ 1 | Saraswati Sugar Mills Ltd., Yamunanagar | India |
| 3000 | 4 | Prasad Sugar & Allied Product Ltd., Maharashtra | India |
| 3000 | 4 | KPR Sugar Mill Limited | India |
| 3000 | 2 | Swaraj India Agro | India |
| 3000 | 1 | Sar Senapati Ghorpade Sugar | India |
| 3000 | 5 | Dalmia Bharat Sugar, Nigohi | India |
| 3000 | 4 | Haryana Cooperative Sugar Ltd., Karnal | India |
| 2800 | 4 | Panchganga Sugar and Power Pvt. Ltd. | India |
| 2500 | 5 | Panchganga Sugar and Power Pvt. Ltd. | India |
| 2500 | 9 | Shiv Shakti Sugars Ltd., Belgaum, Karnataka | India |
| 2500 | 2 | Twenty One Sugar | India |
| 2500 | 1 | Uttar Pradesh Cooperative Sugar, Mohuiddinpur | India |
| 2300 | 4 | Belgaum Sugar | India |
| 2300 | 3 | Khatvmaan Agro Industries | India |
| 2000 | 2 | KPR Sugar, Karnataka | India |
| 2000 | 2 | Bindal Paper Mills Ltd. | India |
| 2000 | 2 | Birajdaar Aayan Mills | India |
| 2000 | 1 | Baanganga | India |
| 1200 | 1 | Shahukagal SSK | India |
| 600 | 2 | Twenty One Sugar | India |
| 500 | 2 | DSCL Sugar, Hariawan | India |
| 300 | 3 | Haryana Cooperative Sugar Ltd., Karnal | India |

OTHER PRODUCTS

EPC Projects • Compressed Bio-gas • Bagasse & Biomass Fired Boilers • Slop / Vinasse Fired Boilers • Pulverised Coal Fired Boilers • Circulating Fluidised Bed Combustion Boilers Atmospheric Fluidised Bed Combustion Boilers • Oil & Gas Fired Boilers • Waste to Energy Boilers • Waste Heat Recovery Boilers • Emission Control Solutions • Deaerators • Spares



A-4, Sector 24, Noida - 201 301 (U.P.) India Tel.: +91-120-408 50 01 / 02 E-mail: exports@isgec.co.in, xydsales@isgec.co.in