



Benefits

- By generating steam from Spent Wash, molasses based distilleries can significantly reduce their energy costs. Every kilogram of concentrated spentwash replaces nearly 0.34 kg of Indian coal.
- Community life around the distillery sites need not be plagued by pollution, as the discharge of spent wash is almost entirely eliminated. This is a relief for the distillery sector in view of growing public awareness and ever tightening pollution control regulations.
- Helps to meet 'zero liquid effluent discharge' norm.
- Effective solution for power and process steam requirements of a distillery.
- Ash generated from the boiler has high potash content, which can be used in fields for improving soil conditions.



Designed & Engineered for Excellence

- Effective on-line cleaning system.
- Specially designed spentwash handling system.
- Adequate residence time to ensure complete combustion.
- System designed for maximum heat recovery.
- Multi-pass design ensures minimum fouling potential.

Operating Range

- Operating capacity - 10 to 80 TPH.
- Pressure : 10 to 66 kg/cm² (g)
- Temperature : Saturated or from 350°C to 410°C.
- Supporting fuels : Indian coal, imported coal, wood chips, rice husk and bagasse.



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SITSON INDIA PVT.LTD.

Boiler | Sugar | Power | Ethanol

130+ Boilers Installed
up to 150 TPH Capacity

17+ Independent &
Captive Power Plans

7+ Sugar Mills &
Co. Generation Projects

SPENT WASH FIRED BOILER

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Introduction

SITSON INDIA PVT. LTD. is an ISO-9001:2008 Company, incorporated in 1978 to provide specialized engineering services in the field of Boilers and Co-generation. Since its inception, SITSON got good orders from sugar, chemicals, sponge iron and paper industries from all over the country for new boilers, repairs & boiler revamping.

SITSON has speciality in manufacturing water tube multi fuel Boilers and Sugar Mill Machinery. SITSON has manufactured Boilers suitable for fuels like coal, bagasse, oil, biomass and biogas and waste heat recovery boilers.

Now SITSON offers spent wash fired boiler with supporting fuel as coal, bagasse, rice husk and biomass with traveling grate.

Design features :

Flexibility of fuels: Wide range of supporting fuel can be burn in boiler to incinerate spent wash. Boiler design suitable for bagasse, coal, rice husk, wood chips and biomass.

More days of operation without stoppages: Boiler can operate continuously more than 40 days without stoppage for cleaning.

Low maintenance: Since design is very similar to sugar industries bagasse fired boiler so maintenance is easy and economical.

Spent wash firing system :

- Spent wash spray with high pressure air or pressure atomized burners.
- Spent wash mixing and drying with supporting fuel in rotary kiln.

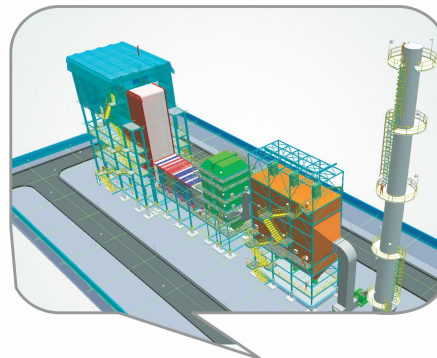


SITSON INDIA PVT. LTD.

Boiler | Sugar | Power | Ethanol

Advantages of SITSON's spent wash fired boiler :

- Boiler is suitable for full load with supporting fuel as well as fuel mix spent wash.
- Lower power consumption.
- Online cleaning system for boiler pressure parts.
- Specially designed ESP air pollution control system to get maximum collection of fly ash.
- More than 1000 hrs of continuous operation without stoppage for cleaning.
- Best suitable for all zero discharge distillery plants.



Progress Under Execution

Name of Customer	Specifications	Support Fuel
• Lahag Co – Operative Co Pvt Ltd. Saharanpur – Uttar Pradesh.	Capacity - 24 TPH	Coal and Rice Husk
• Sir Shadilal Enterprises Pvt Ltd. Shamali, Uttar Pradesh.	Capacity - 36 TPH	Bagasse
• Rai BahadurNarain Singh Sugar Mills. Laksar, Uttarakhand.	Capacity - 25 TPH	Bagasse
• Simbhoulis Sugars Ltd. Simbhoulis, Uttar Pradesh.	Capacity - 36 TPH	Bagasse, Coal and Rice Husk
• Utech Distilleries Ltd. Sangamaner, Maharashtra.	Capacity - 15 TPH	Bagasse and Coal
• Yedeshwari Agro Products Ltd. Post: Pavansoot Nagar, At Anandgaon (Sarni), Post Jawalban, Taluka – Beed, Maharashtra State.	Capacity - 22 TPH	Bagasse and Coal
• L H Sugars Ltd. Pilibhit, Uttar Pradesh.	Capacity - 36 TPH	Bagasse

