

# KEELER FE



**Biomass/coal watertube boilers**



ADVANTAGE  GUARANTEED

# GRESHAM'S

    THE ENERGY-ENVIRO SPECIALISTS

## THE GRESHAM'S STORY

Gresham's started boiler manufacturing in 1971 in an association with Karachi Shipyard & Engineering Works Limited as a pioneering project for Pakistan. To date, we have manufactured over 1200 boilers of various designs for customers ranging from food processors to power plant boilers. We have been the first in Co-Generation and EPC Projects. Notable installations include the Finance & Trade Centre at Karachi, The MCB Towers, the SNGPL Head Office Building and many others.

Gresham's Boilers exported to France, Italy, Algeria, Iraq, UAE, Saudi Arabia, Sri Lanka, Bangladesh, Myanmar and Afghanistan are a testimony of our quality.

## Quality Inspiration.

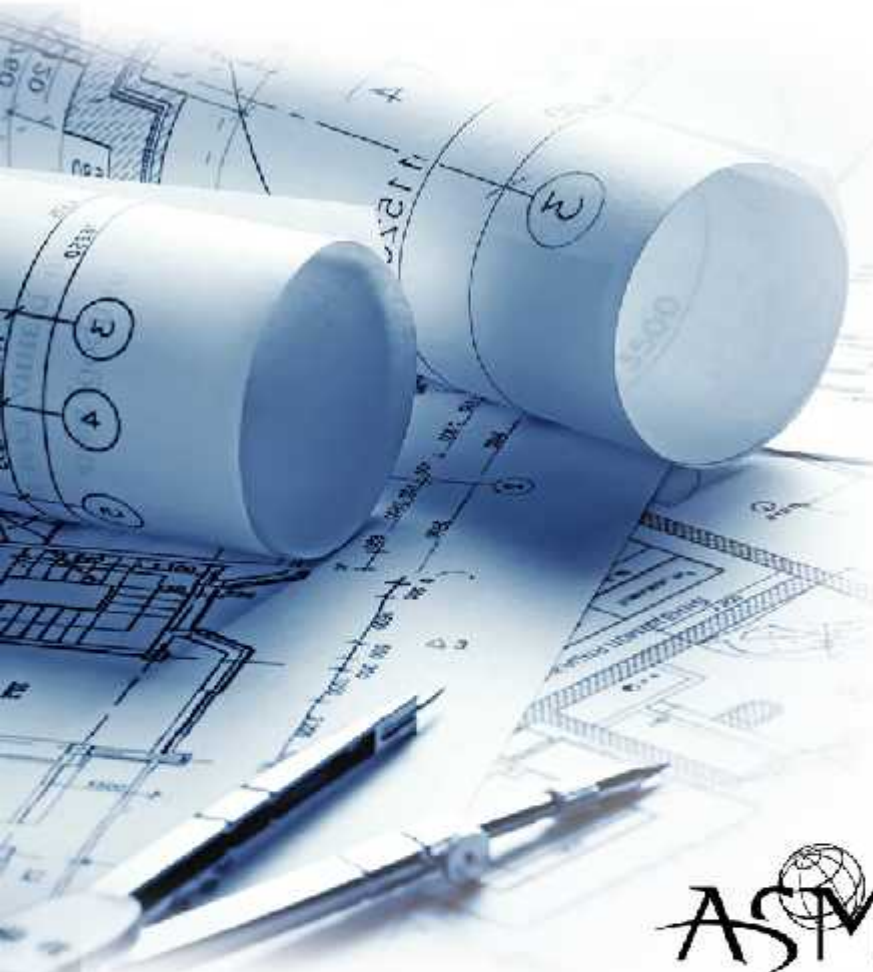


William Edwards Deming was an American engineer, statistician, professor, author, lecturer, Quality Expert. Mr. Deming inspired Toyota to quality manufacture in 1954.

Boilers of Firetube, Watertube, Forced circulation Steam Generators, Waste Heat Recovery Units, Power plant boilers, Themic oil Boilers, Hot air generators, RO & Water Treatment Plants, Heat Exchangers, Equipment for oil and gas industries, Portable accomodation systems, Filtration Plants are manufactured under licence agreements from world renowned brands such as Powermaster Keeler, Wanson, Ygnis, Alpha boilers..... to give you a highly engineered, safe & efficient products built to ASME Standards and Inspected by Germanischer Lloyds, TUV, SGS....

In 1982 we originated the idea of energy conservation and were behind the Boilers in Pakistan study done by the Ministry of Production which study led to the creation of ENERCON.

**Gresham's** -- dedicated to boiler manufacture since 1971, -- commitment to energy conservation, -- commitment to deliver a safe reliable product.

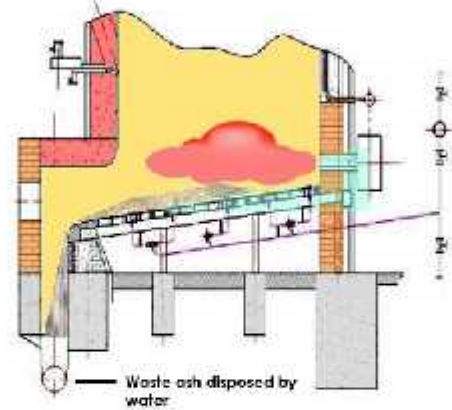


ASME Codes used for manufacturing all Boilers.

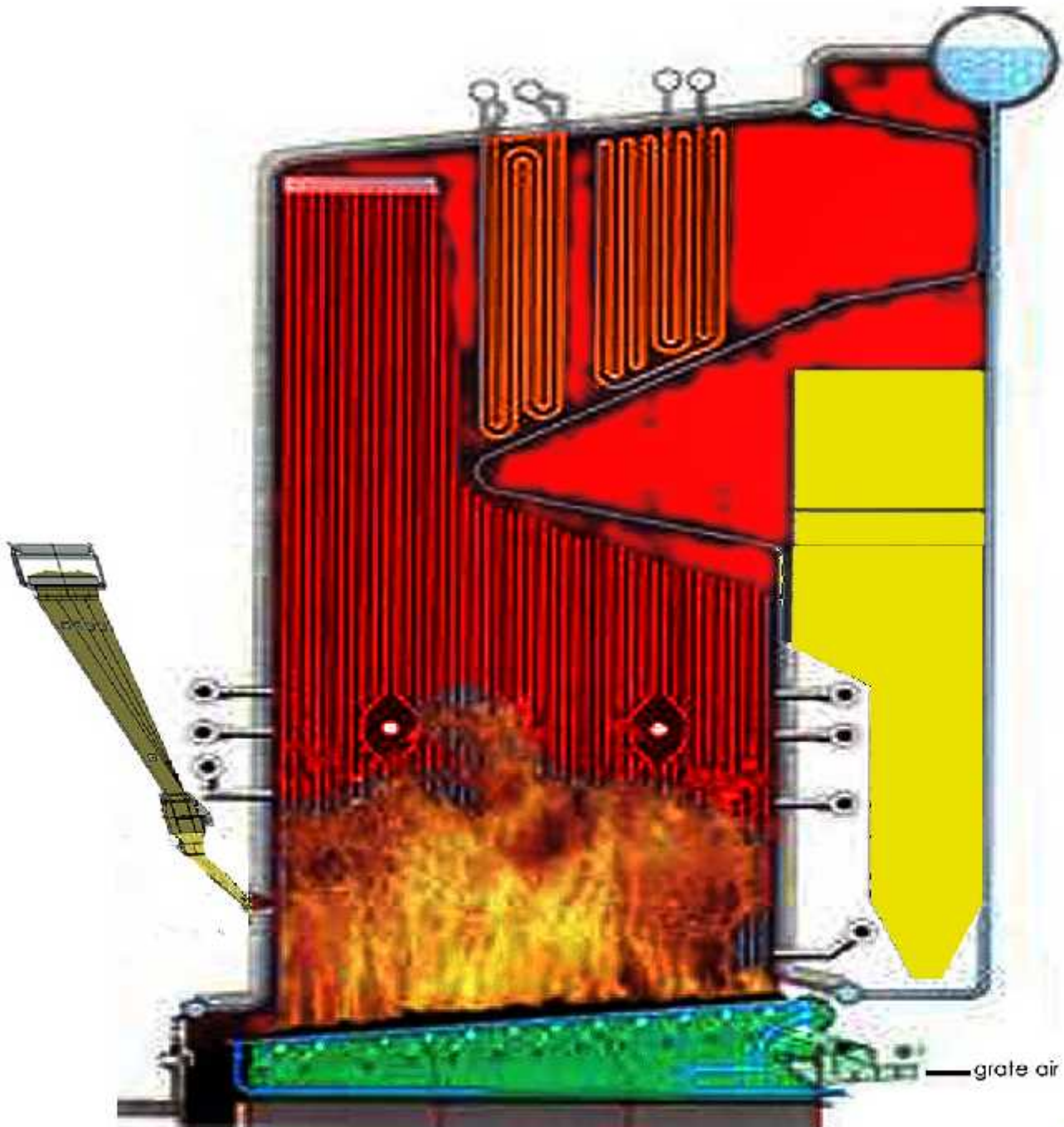


## Type AQ

- Single drum steam generator
- Design code ASME section I
- Inspection by international 3rd party
- Fuel: natural gas, HFO, coal water slurry, pulverized coal, wood, bagasse, MSW.
- Capacities from 20 tph to 250 tph
- Working pressures upto 125 bar (g)
- Temperatures upto 550 C
- Furnace slant pin hole with steam blowing for ash removal.



no moving parts in furnace





## Type AD

Double drum steam generator

Design code ASME section 1

Inspection by international 3rd party

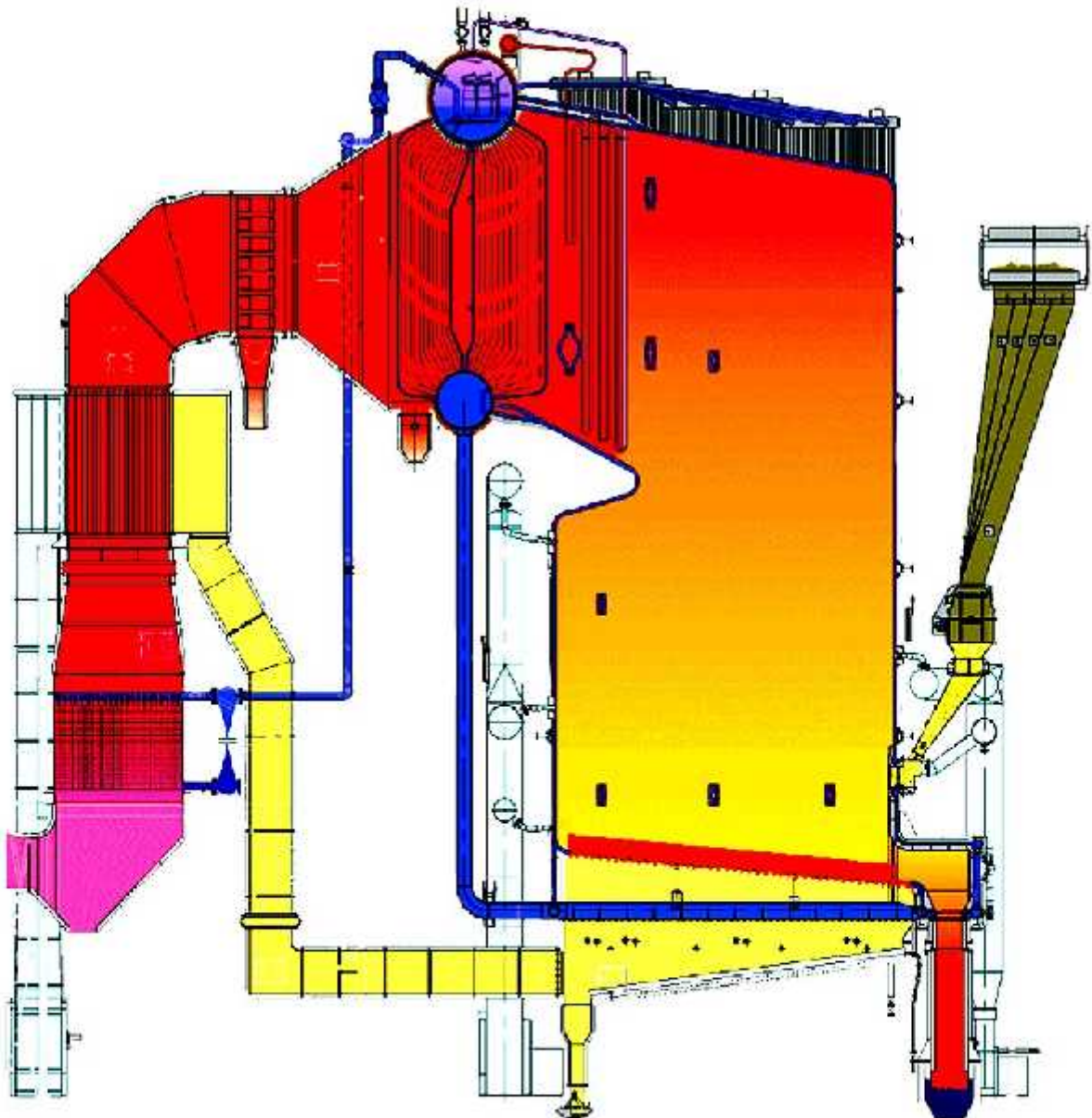
Fuel: natural gas, HFO, coal water slurry, pulverized coal, wood, bagasse, MSW.

Capacities from 20 tph to 250 tph

Working pressures upto 125 bar (g)

Temperatures upto 550 C

Furnace slant pin hole with steam blowing for ash removal.



## Type DG

Double drum dumping grate steam generator

Design code ASME section 1

Inspection by international 3rd party

Fuel: natural gas, HFO, coal water slurry, pulverized coal, wood, bagasse, MSW.

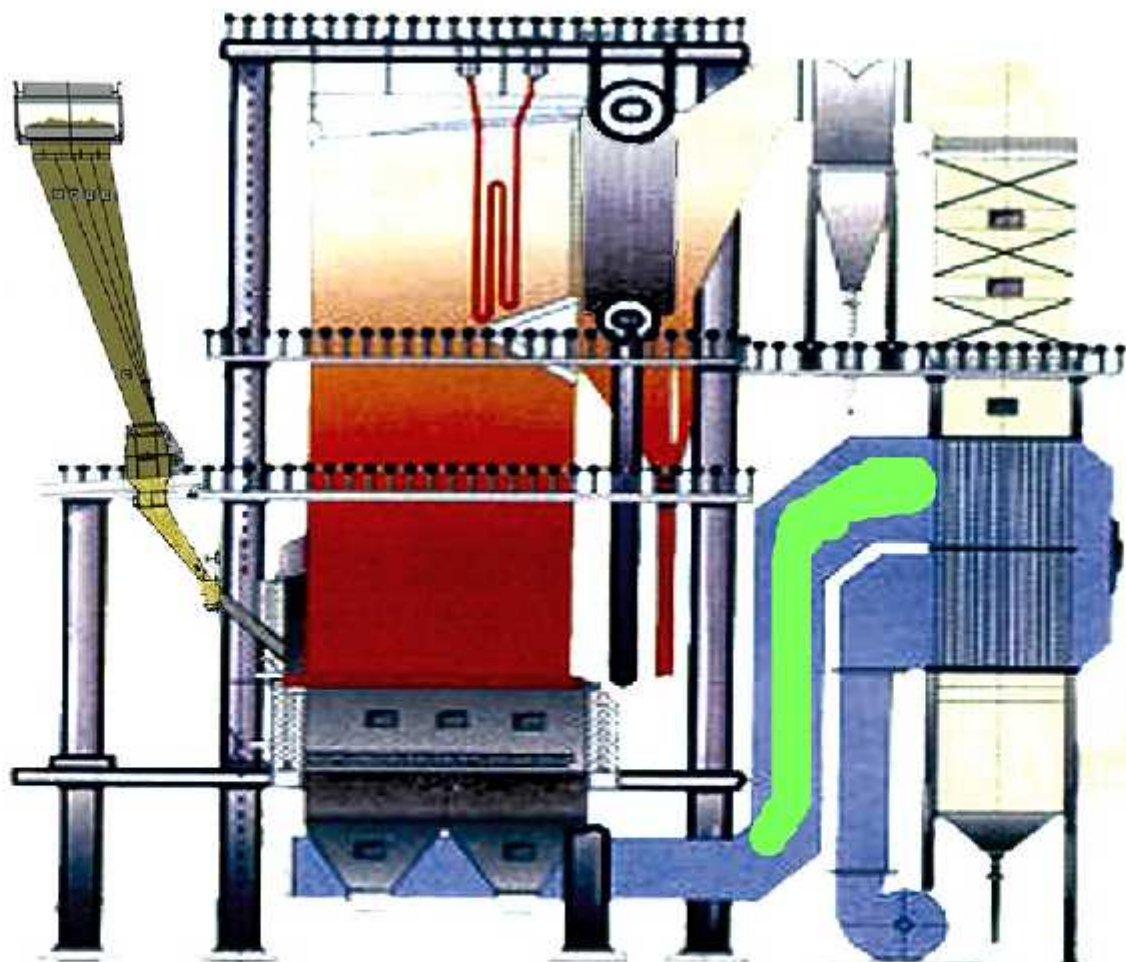
Capacities from 20 tph to 250 tph

Working pressures upto 125 bar (g)

Temperatures upto 550 C

Furnace dumping grates pneumatically/hydraulically operated

### Model-1



## Type DG

With fuel re-circulation

Double drum dumping grate steam generator

Design code ASME section 1

Inspection by international 3rd party

Fuel: natural gas, HFO, coal water slurry, pulverized coal, wood, bagasse, MSW.

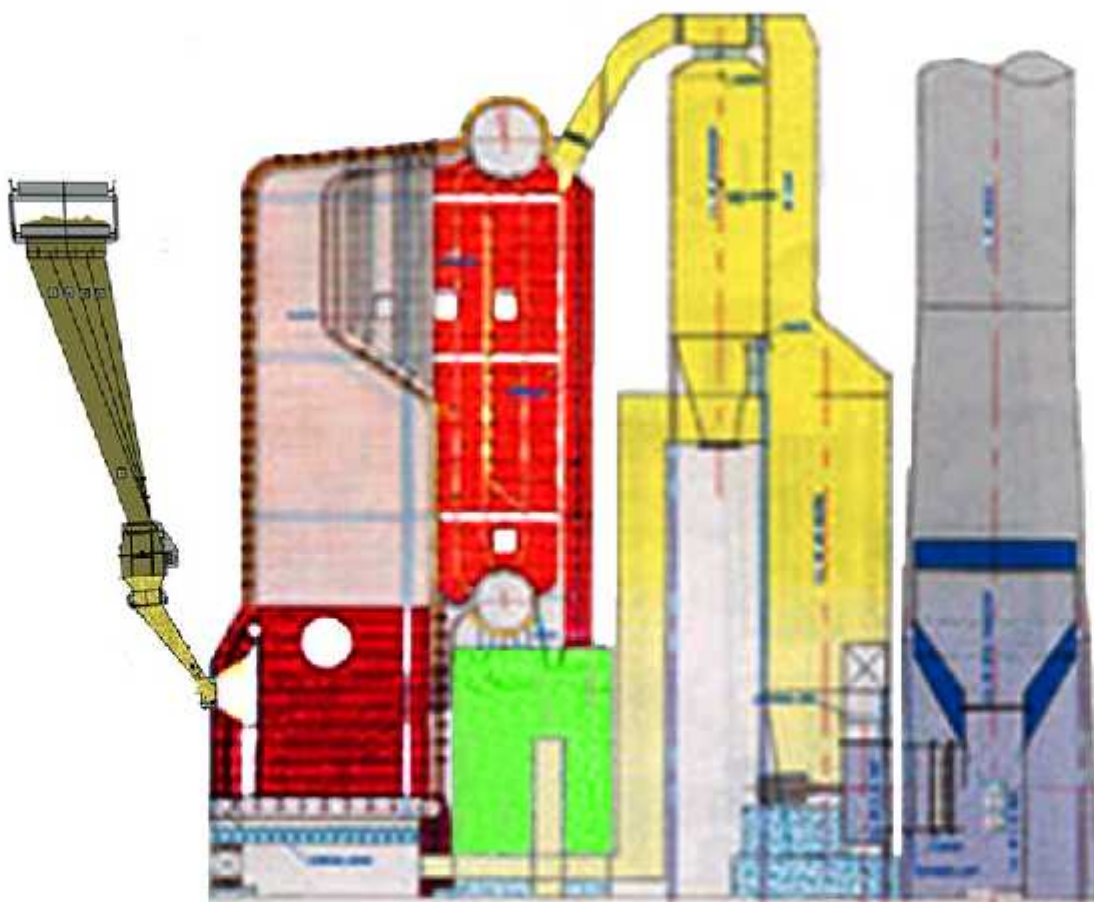
Capacities from 20 tph to 250 tph

Working pressures upto 125 bar (g)

Temperatures upto 550 C

Furnace dumping grate

## Model-2





## Type DG

With integrated Air Preheater/Economiser

Double drum dumping grate steam generator

Design code ASME section 1

Inspection by international 3rd party

Fuel: natural gas, HFO, coal water slurry, pulverized coal, wood, bagasse, MSW,

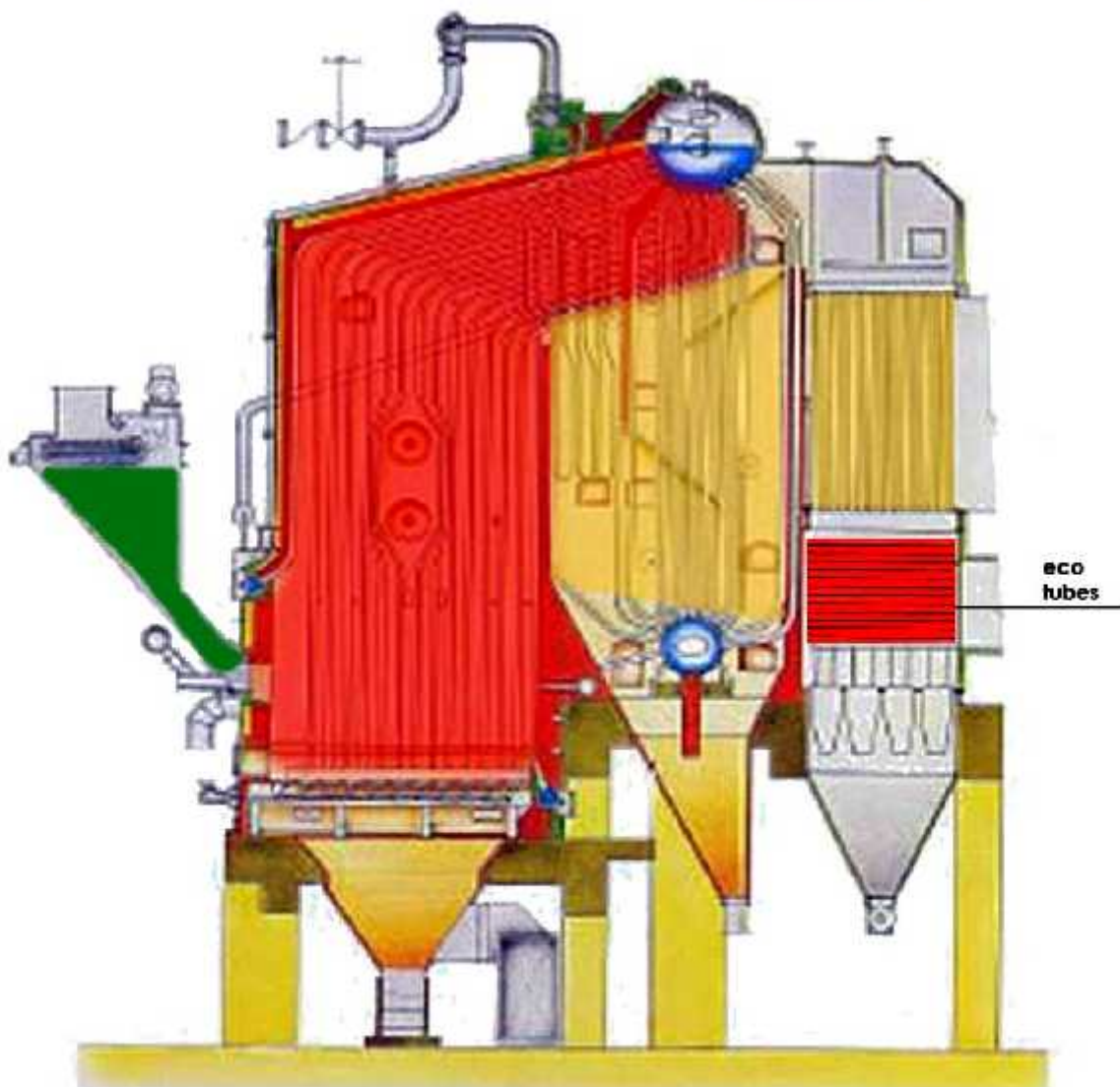
Capacities from 20 tph to 250 tph

Working pressures upto 125 bar (g)

Temperatures upto 550 C

Furnace: dumping grate, stoker, fluidised bed.

## Model-3





ADVANTAGE  GUARANTEED

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## Gresham's an experienced manufacturer of large field erected boilers in Pakistan since 1985



**40 tph/40 bar (g) 450 C  
bagasse boiler for  
Kohinoor Sugar Mills Punjab**



**60 tph/50 bar (g) 450 C  
bagasse boiler for  
United Sugar Mills Punjab**



**30 tph/40 bar (g) 450 C  
bagasse boiler for  
Mirpurkhas Sugar Mills Sindh**

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     THE ENERGY-ENVIRO SPECIALISTS

1947-2047  
**100**

Innovation | Integrity | Value

**BS EN ISO 9001  
QUALITY  
ASSURED**

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