Circulating Fluidized Bed Boiler

Tailor Made Design
High Efficiency
Wide Fuel Range

Application

Power Plants and Industrial Boilers
Circulating fluidized bed boiler with direct desulfurization

Benefits
- Tailor made design to meet customer specific requests and space limitations
- Sub- and super-critical boiler design with and without reheater
- Advanced nozzle cap design for optimized fluidization
- Refractory protection for critical zones in furnace
- Cyclone configuration for optimal arrangement of plant components
- Convective pass with low erosion design

Boiler Type
- Natural circulation
- Once through

Fuel Type
- Lignite
- Bituminous coal
- Biomass
- Waste fuels
- Pre-dried lignite
- Co-firing of various fuel types

Scope of Supply
- Consultancy
- Sophisticated calculation tools for flow and heat transfer
- Engineering from concept to detail
- Supply of core components
- Site supervision and commissioning

Air Distribution Nozzle
Plate Arrangement
## Circulating Fluidized Bed Boiler Technology

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**Legend:**
- PS – Power Station
- PF – Pulverized Fuel
- CHP – Heat and power plant
- SCR – Selective Catalytic Reduction
- STP – Standard Temperature and Pressure
- HRSG – Heat Recovery Steam Generator
- FGD – Flue Gas Desulphurization
- CFB – Circulating Fluidized Bed
- ESP – Electrostatic Precipitator