

Improving your business is our business

Thermax offers products, systems and solutions in energy and environment engineering to industrial and commercial establishments around the world. Its business expertise covers heating, cooling, waste heat recovery, captive power, water treatment & recycling, air pollution control & waste management and performance chemicals. Thermax brings to customers extensive experience in industrial applications, and expertise through technology partnerships and strategic alliances.

Operating from its headquarters in Pune (Western India), Thermax has built an international sales & service network spread over South East Asia, Middle East, Africa, Russia, UK and the US. It has a full fledged manufacturing set up that is certified for ISO 9001:2000, ISO 14001 and safety management according to OSHAS (ISO 18000).

In **process heat**, Thermax offers a wide range of steam boilers, thermal oil heaters and hot water generators. It has expertise in a wide range of fuels - oil, gas, solid and agro-waste/ biomass. Supporting a broad array of industries in generating, transferring and conserving heat across a host of applications, Thermax process heat products and systems are exported to North and South America, South East Asia, Middle East, Africa, Europe, CIS, Australia, Antarctica and SAARC.

Thermax presents Combipac CPMG: the next level in moving grate boilers

Economiser

- Heat recovery through the Economiser ensures high thermal efficiency - up to 80%

Shell

- The fire tube section incorporates large area for water and steam
- Larger steam disengagement area ensures dry steam, with no carryover
- Dry steam prevents scale formation in steam lines and helps eliminate extra condensate, thus saving energy

Membrane Panel

- This water tube section of the boiler is designed for abundant radiant heating area - allowing quick steam formation and improved response to fluctuating loads

Combustor

Accepts fines upto 50%

- Automatic fuel feeding
- Combustion chamber comes with moving grate that is rugged and proven
- Adjustable multiple damper system to control the volume of air entering the combustor along its length - making it adaptable to different fuels
- Design ensures constant fuel pile and complete grate coverage, improving combustion efficiency and emission control

Control Panel

- PLC based control panel for automatic boiler operations

Get the best of two technologies

Combipac CPMG is a hybrid boiler, which combines the best of both technologies - water tube and smoke tube. This new boiler from the Thermax stable, integrates four decades of extensive R&D and pioneering expertise in the combustion of over 100 different kinds of solid fuels. Combipac CPMG is specially designed to operate on low ash coal.

Product highlights

- Hybrid design - smoke and water tube
- External furnace with membrane panel
- Standard capacity range - 6 to 25 TPH
- Fuel - low ash coal and wood chips
- Automatic fuel firing
- Standard design pressure - 10.54 & 17.5 kg/ cm²
- Heat recovery through Economiser

Fully automatic operations

- Single element control
- Combustion control

VALVE LIST (STEAM SIDE)	VALVE LIST (WATER LINE)	VALVE LIST (WATER LINE)	SI NO. DESCRIPTION	INTER LOCK	TRIP
VAL NO. DESCRIPTION	VAL NO. DESCRIPTION	VAL NO. DESCRIPTION	SI NO. DESCRIPTION	INTER LOCK	TRIP
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