

Hot Gas Generators



ACCURATE CONTROL OF VOLUME AND TEMPERATURE OF HOT AIR FOR ANY PROCESS

Designed to give the required gas volume at the precise temperature needed for your process, our range of hot gas generators match your preferred fuel type including liquid, gaseous, solid or alternative fuels.

FUELS

- Natural gas or LPG
- Heavy fuel oil (HFO), diesel or waste oils
- Coal - pulverized or lump
- Petcoke - pulverized or lump
- Waste and alternative fuels - RDF, biomass, lump timber

FIRING CAPACITY

Thermal power according to customer request.

OUTLET HOT GAS TEMPERATURES

From 100 °C to 1650 °C - higher or lower temperatures custom engineered to suit the application.

HOT GAS GENERATOR TYPES

Horizontal Hot Gas Generators:

- Single or double shell options available
- Available with or without refractory up to 1650 °C

Vertical Hot Gas Generators:

- Pulverized solid fuel (coal, petcoke, lignite, etc.)
- Down-fired coal burner
- Oil or gas warm-up burner

Solid Fuel Hot Gas Generators:

- Lump fuels (<50mm diameter) - coal, petcoke, biomass
- Silicon sand bed
- Fluidizing medium - air
- Oil or gas pre-heat burner
- Fast start
- Good control on outlet temperature

Mobile Grate Hot Gas Generators:

- Large fuel particles (50mm to 500mm)
- Metal aeration grate floor
- Outlet temperature



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Global expertise in combustion technology, delivered by a local team.

FCT Combustion are experts at delivering complete combustion solutions to high-temperature processing plants worldwide. Our best-in-class products are proven to deliver results and are currently optimizing the operations of industry leaders across the globe.

At FCT Combustion, your process is our priority. Our offices provide local, personalized support, backed by our global expertise, to deliver the best solutions for your process and environment.



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