

Water Cooled Mobile Grate

Equipment fully developed and manufactured by Flucal with notable practical results in demanding fuel combustion, particularly in fuels with high ash content, low LHV or high humidity %.

Description:

Furnaces with mobile water cooled on Chromium / Nickel grates, resistant to high temperatures with wet or dry ash extraction system.

Power Range:

500 kW to 20000Kw

Main advantages:

- Burning of almost any kind of biomass and waste; Extended power range;
- High reliability;
- Possibility of burning at high temperatures;
- Ideal for waste burning with high contents of ash, low LHV and up to 50% humidity.

Other features:

Combustion control through individual regulation of primary air for each stage of combustion, as well as for the secondary air.

High burn efficiency, yield $95 \pm 2\%$ achieved by optimizing the relation between primary and secondary air, ensuring CO, NOx and VOCs emission reductions,.

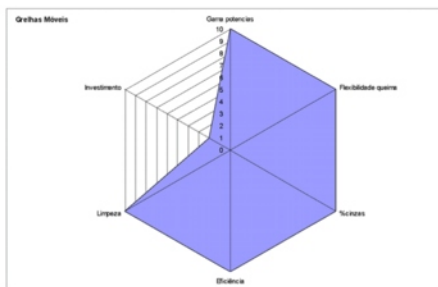
Particle emission control using ACS systems.

This furnace may be adapted for waste incineration, ensuring temperatures and sufficient stage times to destroy the organic contained in the gases.

These devices are controlled by automation systems, speed variation and high quality instrumentation with proven robustness, with tuned control systems depending on the type of equipment / type of fuel.

It can be coupled to:

- Steam boilers
- Thermal oil boilers
- Hot water boilers
- Drying systems for hot gases



Legenda	0	10
Gama Potências	gama curta	gama alargada
Flexibilidade queima	Queima pouca variedade combustíveis	Queima vasta variedade combustíveis
%cinzas combustível	Baixa < 1%	Alta <25%
Eficiência queima combustíveis	Alta presença de inqueimados nas cinzas	Baixa presença de inqueimados nas cinzas
Facilidade limpeza	Limpeza regular	Auto-limpante
Investimento inicial	Alto	Baixo

