

Water Cooled Vibrating Grate

Equipment fully developed and manufactured by Flucal to meet the requirements of burning various types of fuel in an efficient way with automatic ash extraction with low unburned content.

Description:

Furnace with water cooled vibrant grate with dry ash extraction system.

Power Range:

500 kW to 5000 kW

Main advantages:

- Low horizontal dimensions
- Enlarged burning of various biomass types
- Ideal for waste burning with medium / low ash content

Other features:

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

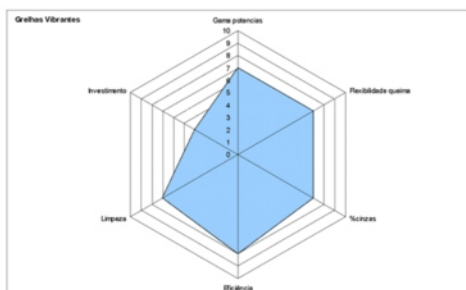
High burn efficiency, yield $95 \pm 2\%$ achieved by optimizing the relation between primary and secondary air, ensuring CO, NOx and VOCs emission reductions.

Particle emission control using ACS systems.

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