

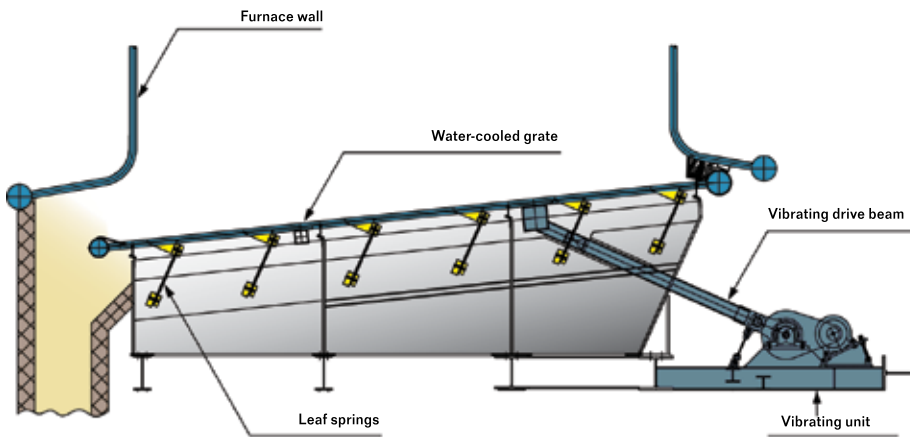
Plant equipment and components

Solid fuel combustion on water-cooled vibrating grate



- Ideal for burning most types of biomass, RDF and other solid fuels
- Suitable for a wide range of boilers within 10-170 MW
- Possibility of burning fuels with high moisture contents
- Efficient water cooling results in less wear and ensures a long operating life
- The air flow through the grate can be optimized as there is no need for air cooling
- High availability, low maintenance costs and a low consumption of spare parts
- High flexibility due to multiple water cooling options





Cast iron plates to be placed on top of the tubes of the vibrating grate.

Smooth operation

The grate consists of two or four panel walls mounted on leaf springs. These panels are activated in pairs, in counter phase, by a vibrating unit. This is a simple construction with no internal moving parts which ensures smooth operation and a long life.

Optimal air flow

Primary combustion air is injected through holes drilled in the fins of the grate panel. The pattern of these holes can be custom-designed to meet the demands for primary air as determined by the specific fuel. This, combined with the independency of air flow for cooling needs, gives the optimal conditions for air flow adjustment.

Multi-fuels

The special design makes it possible to combust refuse-derived fuels (RDF)/solid recovered fuels (SRF) and multi-fuels.

Moist fuels

A high preheating temperature of primary combustion air and in special cases mounting of cast iron plates make it possible to burn fuels with high contents of moisture.

For further information please contact our sales team or visit www.volund.dk



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