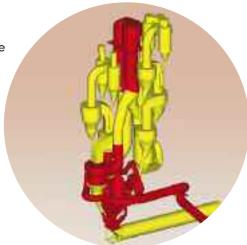


Burning Technology KHD Combustion Chamber

The advantage of the Combustion Chamber is that the ignition takes place in pure air at high temperatures (≥ 1,200 °C). The downdraft burner, positioned at the top of the burning chamber, can be designed for various fuels (gaseous, liquid, solid).

- Mixture of coarse refuse derived fuel (RDF) can be fed vertically through the center channel of the burner. Hence, the fuel particles enter the chamber by gravity forces.
- Pulverized fuel is blown into the chamber via an annular gap.
- Liquid fuels are fired with lances at the circumference of the burner
- If required, a start up burner can be integrated.
- The flame shape can be adjusted by setting the swirl air pressure. The outer jacket is protected by a small amount of cooling air.
- The temperature of the combustion chamber can be controlled by the dampers of combustion air and swirl air.



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