



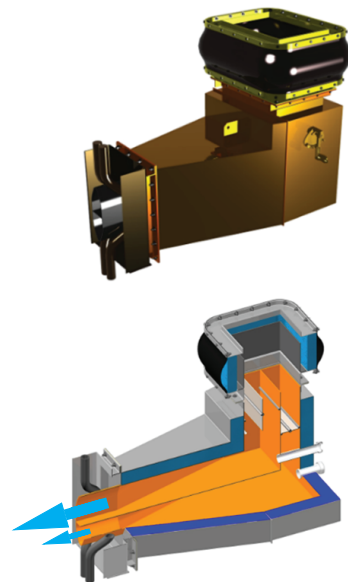
Overfire Air System with High-energy Multi-range Combustion Air Nozzles™

Optimize combustion and reduce energy expense and emissions by...

- Increasing biomass fuel firing rates
- Reducing fossil fuel co-firing
- Improving carbon burnout/LOI
- Fully combusting fines and volatiles



Typical arrangement



Jansen's patented High-energy Multi-range Combustion Air Nozzle ensures effective cross boiler penetration and turbulent mixing. By interlacing the flows, centralized vertical flow is minimized and radiant heat is evenly dispersed in the furnace cavity.

Key Features

- Large damper box and nozzle volume = low pressure drop
- Split nozzle tip = optimized air penetration and mixing across all loads
- Internal dampers = isolation from heat and damage
- Independent damper control = for automatic load following

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