



STORK BURNERS

Fuel flexibility, performance improvement and compliance with changing emission regulations are constantly challenging professionals in power generation. In both direct and supplementary firing (HRSG) applications, the objectives are clear: lowest emissions combined with the highest boiler efficiency performance.

Stork Thermeq's specialists in combustion technology have the expertise to help you reach your goals. The integrated experience and knowledge of firing systems, processes (heat transfer) and mechanical engineering are key factors to enable OEM-partners and end-users to cooperate effectively together with Stork Thermeq.



SCOPE OF ACTIVITIES

- Combustion analysis and advice
- CFD studies
- Engineering
- Burner manufacturing, installation, commissioning and maintenance
- Air and fuel control systems and skids

ADDED VALUE

- Turn-key solutions
- World wide track record
- Specialized in multi-fuel solutions
- Years of experience in water/steam cycles
- Single point of contact for your project

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PRODUCT DETAILS

DIRECT FIRING

We provide direct fired burners for almost all combustion installations, varying from boilers to fired heaters and from superheaters to incinerators. Enabling the client to fire almost every fuel or waste stream thinkable cleanly. Based on extensive experience we will advise you on the optimal strategy in firing your fuel streams with the lowest costs and emissions. Our solutions are not limited to burners alone, we can provide everything from fuel handling to post treatment, combined with our experienced workforce resulting in turn-key solutions.

Direct Fired Burners	Specifications
Impuls Burner	Multi gas & multi Oil
	Fuel staged & induced flue gas recirculation
	Ultra Low NOx << 45 mg/nm ³ @3%O ₂
	From 5 to 60 MW p/burner
	Applicable in boilers & furnaces
Double register burner	Extreme fuel flexibility > 10 fuels
	Air staged
	From 5 to 100 MW p/burner
	Applicable in TEG and combined TEG/FA modes
Low Nox Pulverized Fuel burner	Solid conventional and biomass fuels
	5 to 60 MW
	Low Nox

SUPPLEMENTARY FIRING

For an integrated approach in HRSG-burner systems, Stork Thermeq is your partner from Basic Engineering up to Commissioning and Testing. Especially where challenging conditions exist we can provide you with unique solutions. We have provided our clients with solutions to fire gaseous and liquid waste streams in both Turbine Exhaust Gasses (TEG) as well as fresh air with the seamless takeover between these modes.

Supplementary burners	Specifications
Inline Grid Burner	High Turndown
	Plug & Play construction
	Teg, Fresh Air with flying takeover
	Low Pressure
Inline circular duct burner	Liquid & gas fuel flexibility
	Combined oil/gas firing
	Teg, Fresh Air with flying takeover