

FLUID BED BOILERS

Zeeco Firing Systems



BURNERS | FLARES | THERMAL OXIDIZERS | VAPOR CONTROL | RENTALS | AFTERMARKET

Comprehensive Engineering Studies

- Capacity Increases
- Fuel Conversions
- Equipment Upgrades

Burners

- Start-up Burners
- Over Bed Burners
- Duct Burners
- Elbow Duct Burners
- Firing System Optimization
- Bed Lances

Technical & Installation Services

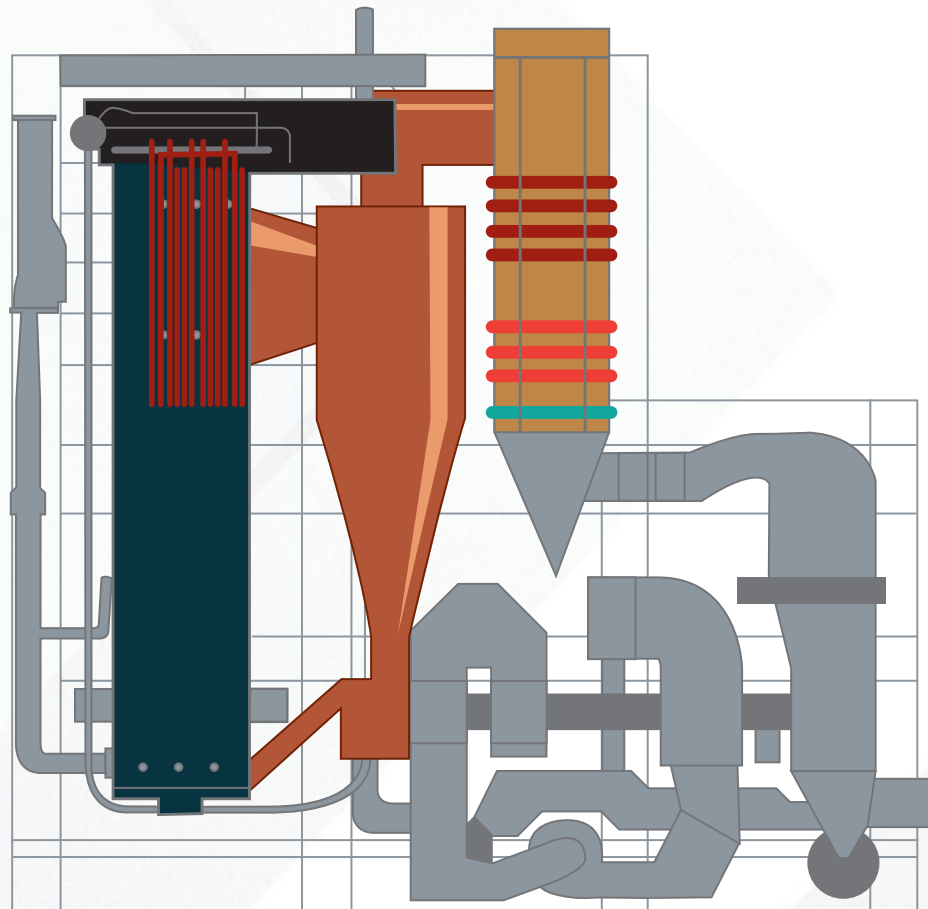
- Full Turnkey
- Start-Up
- Preventative Maintenance
- Operator Training
- Service and Repair

Liquid Fuel Atomizers

- Waste Oils
- Blended, Light, Heavy Oils

Pilots / Ignitors

- NFPA Class 1, 2, 3; Gas and Oil
- HE Direct Spark



Fuel / Air System Upgrades

- Cost-Effective Conversions

Safety / Control Systems

- Combustion Control
- Burner Management
- Draft & Feedwater Control

Primary / Secondary Air Systems Flow Modeling

- Increase Efficiency, Turndown
- OFA Optimization
- Combustion Air System
- Optimize Fuel / Air Mixing
- Reduce System Pressure Drop
- Lower O₂, CO, NO_x, Carbon Footprint
- Eliminate Vibration

Flame Scanners

- UV
- Visible Light
- Flexible Fiber-Optic
- IR, IR Flicker Frequency

Safety / Control

- Combustion Control
- Draft and Feedwater
- Burner Management

ZEECO POWER CAPABILITIES



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PRODUCTS FOR STEAM & PROCESS

Burners

- GLSF Free-Jet Ultra-Low NOx Burners
- GB Low NOx Dual Fuel Burner
- Register and Venturi Style Retrofit Burners
- Fluid Bed Start-Up Burners & Gas Lances
- Over Bed / Over Stoker Start Burners & Support Burners
- DB-LN Duct Burners

Utility & Industrial Burner Systems

- Forced Draft Fans
- Windbox
- Fuel Trains
- Burner Management System (BMS)
- Combustion Control Systems
- Over-Fire Air Systems
- Flue Gas Recirculation (FGR)
- Scanner Systems

Pilots / Ignitors

- Flexible Ignition / Warm-Up Guns for T-Fired Units
- Class 1 Gas / Oil Pilots & Warm-Up Guns
- Class 2 Gas / Oil Burner Support Pilots
- Class 3 Gas / Oil Pilots with HE capability
- Class 3 Special HE Only (Rigid & Flexible)

Optimization Kits

- Z-Jet Low NOx Kits (Gaseous & Liquid Fuels)
- Ultra-Low Steam Usage Atomizers & Tips

Safety / Control Systems

- Solid State
- Programmable PLC
- Single Point, Parallel Point
- Fully Metered Cross Limited Control
- O₂ Trim, VFD Fan Draft Control

Flexible Fuel Capability

- Natural Gas
- No. 6 Fuel Oil
- No. 2 Fuel Oil
- Blended Oils
- Refinery Gases
- Waste Oils
- Opportunity Fuels
- Low Btu Gases
- Blast Furnace Gases
- Coke Oven Gases
- Landfill Gases
- High-Viscosity Fuels

SERVICES

On-Site Technical

- Start-Up
- Installation Supervision
- Preventative Maintenance
- Service Contracts
- Operator Training
- Aftermarket Parts

Flow Modeling Center

- Physical & CFD Modeling
- Combustion Air Systems
- Flue Gas Recirculation Systems
- Over-Fire Air Systems
- Exit Gas / Stack Modeling
- Selective Catalytic Reduction

Engineering Studies

- Environmental Compliance
- Efficiency Audits
- Fuel Conversions
- Capacity Increase
- Carbon Footprint Reduction

Turnkey

- Coordinating Supply
- Equipment Modification
- Demolition / Installation
- Start-Up
- Operator Training
- Site Management

GO ZEECO®

Choose to work with our dedicated, flexible, and innovative team, and you won't be disappointed. Call or email us today to request a quote or to learn more about our proprietary combustion systems.



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Certification applies to
Zeeco Headquarters.

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