

FGR RETROFIT

FOR EXISTING BURNER AND BOILER

FABER
Burner Company

A customer operating a 60,000 lb/h, 400 psig steam boiler needed a Flue Gas Recirculation (FGR) system to retrofit an existing burner and comply with lower NOx requirements. To avoid months of delay and significant costs in purchasing new equipment, and recognizing Faber's ability to build custom combustion equipment in a timely manner, the customer turned to Faber. Faber committed to providing drawings within 2 weeks after receipt of the order and ensuring shipment within 6 weeks after release for fabrication.

After award, Faber worked quickly to collect the required information including necessary dimensions, operating flows, pressures, and temperatures. Faber then performed engineering and design and validated that retrofit to the existing combustion air fan and ancillaries. This eliminated the need for the customer to purchase new equipment, which would have required many weeks to deliver.

Because the customer's equipment was already existing, Faber customized its product to bolt on to the existing fan assembly. Faber supplied the mixing box, fresh air damper, FGR damper, stack scoop, and all flanges and gaskets, and closely coordinated with the customer's scope of work and parts supply to assemble the completed work and assure a smooth project. The primed and painted parts were shipped ahead of schedule.

Faber routinely customizes its equipment to meet customer needs and assure a timely project. To learn more about this or other case studies, please contact us.





Package Burners

The finest and most comprehensive combustion systems available for boilers, high temperature hot water generators, process furnaces and more.



Forefront Burners

Heavy-duty and user-friendly industrial gas burners for a vast array of applications that require heating capacities from 500,000 to 8,000,000 BTU/Hr.



Specialty Burners

Specialty burners to meet application-specific fuel-burning needs. Some examples include start-up burners, air heating, biogas guns, and waste gas guns.



LXE Burners

Modular industrial burners with unparalleled flexibility and performance. Heat inputs range from 10 to 60 MMBTU/Hr.



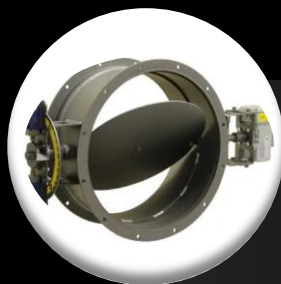
Igniters and Pilots

Gas, Oil or High Energy Spark. Faber Burner Company has a complete line of igniters that provide safe and reliable light off. 20,000 BTU/Hr to 20 MMBTU/Hr.



Oil Guns

Atomizers with capacities from 2.1 to 200 MMBTU/Hr. Firing conventional and alternative liquid fuels with either steam, air, or mechanical atomization.



Dampers

Faber offers industrial dampers for high-temperature air or flue gas: Single & Multi-Blade. Standard sizes are always in stock.



Control Systems

Faber supplies user-friendly comprehensive strategies for the optimal control of combustion equipment. From basic to custom-engineered state-of-the-art systems.



Pipe Rack Assemblies

Faber's engineered piping systems are designed to safely and accurately control the pressure and flow of any liquid or gas including conventional and alternative fuels, steam, and air.



Spare Burner Parts

We support what we build. Faber maintains one of the most extensive inventories in the combustion industry. Thousand of items are ready for immediate shipment.

**Providing Combustion Solutions
Since 1926**

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