

-weishaupt-



Retrofitting your boiler is key to

Saving energy

Retrofitting your boiler is key to saving energy

Boiler technology has not changed significantly in the last 100 years, the concept is governed by the laws of physics. The boiler is not entirely responsible for its efficiency, the burner is the “active” element and therefore determines the boiler’s efficiency, just as the engine in your car is responsible for the gas mileage. Let Weishaupt show you how to get the most out of your boiler!

The illustrations below show only the “key” steps of a Cleaver Brooks retrofit. By removing all of the exclusive Cleaver Brooks parts, the owner is no longer obligated to contact Cleaver Brooks for proprietary parts. The boiler can be serviced by one technician, unlike before, where two certified technicians were required to swing open the heavy outer door assembly on the Cleaver Brooks boiler.



Cleaver Brooks Fire Tube Boiler



Step 1.
Remove the outer and inner doors



Step 2.
Manufacture a new inner plate with studs to accept the new door.



Step 3.
Manufacture a new door with swing away brackets.



Step 4.
Install new Weishaupt high efficiency burner assembly.



End Result.
A more fuel efficient boiler with no Cleaver Brooks parts.

Weishaupt's high turn down burner will prolong boiler life and reduce boiler cycling.

Would you like your current boiler to be more energy efficient? Saving your company thousands of dollars per month? Our solution...a simple design change to increase efficiency, resulting in the lowering of excess air and increased turn-down. The proper ratio and pressure when mixing fuel and air for maximum efficiency requires a variety of design changes not found in many burners currently on the market today.

Some test results indicate that a high turndown burner will cost more money to operate, this is not true with a Weishaupt burner.

Most burners require a lot of excess air at low firing rates in order to obtain good mixing of fuel and air to produce safe complete combustion. High excess air required for safe combustion will cause a drop in boiler efficiency. This is true in most cases but not with a Weishaupt burner.

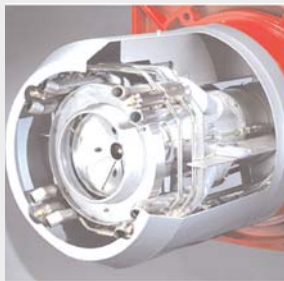
Some high turndown burners work better and more efficient than others. Weishaupt's state of the art combustion head design will provide high turndown with low excess air while still providing complete safe combustion, optimum boiler efficiency and lower fuel costs.

Our cast aluminum mono/duo-block construction burner has more design features...



Linkage-less control technology

Gas, oil and dual fuel burners use combustion processes which requires precise and reproducible mixture of fuel and combustion air. Weishaupt's digital combustion management system employs monitoring and optimizing technology, which allows simple and safe operation of your heating plant.



State-of-the-art combustion head and diffuser

Weishaupt offers a variety of combustion heads for all applications. The 3LN combustion head reduces NOx on natural gas and standard #2 fuel oil. Weishaupt is the only burner company that can offer NOx reduction on standard #2 oil without the use of flue gas recirculation.



Precise control of combustion air via a well designed damper system

The Weishaupt stainless steel air damper system provides precise control of air flow. This is an important factor, especially when firing in the low fire position. The damper also provides tight shut-off during the off cycle, thus reducing stack losses.



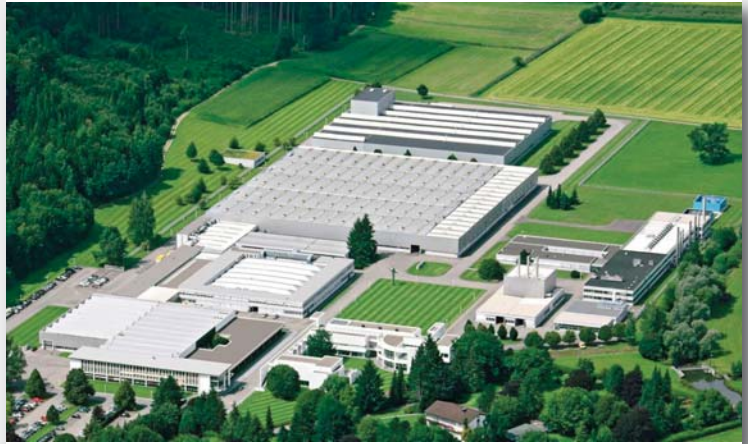
Highly efficient combustion air delivery

All Weishaupt burners come standard with reverse incline blower wheels. On larger burners the blower wheel is made from aluminum. All blower wheels are dynamically balanced for smooth, quiet operation.

– weishaupt –

Who we are...what we do

The company set out on the way to success in 1932 when Max Weishaupt, a master mechanical engineer, founded his first workshop in Schwendi, but the company was actually launched in 1952 when he started to manufacture burners. Today the group does business all over the world and is a global leader in the manufacturing of combustion technology; it enjoys growing success on the market with cutting edge heating systems, offers pioneering BMS technology and is now investing in environmentally-friendly products, such as solar collectors and heat pumps, which use renewable energy. Strong innovation and outstanding customer service will continue to forge new paths to allow the company to travel towards lasting global success.



Weishaupt Head Office & Factory, Schwendi Germany



Weishaupt Research & Development Institute - Schwendi Germany

Contact Your Local Representative For More Information

Head Quarters
Weishaupt Corporation
6280 Danville Rd.
Mississauga, Ontario L5T 2H7
PH: (905) 564-0946
FX: (905) 564-0949
www.weishaupt-corp.com

Subsidiary
Weishaupt America Inc.
2587 Millennium Dr, Unit A
Elgin, IL, USA 60124
(847) 531-5800
(847) 531-5855