

– weishaupt –

# product

Information on compact burners



21<sup>st</sup> century fire

**Weishaupt WL5 oil burner (16.5 – 55 kW)**

# Hot for quality

Our motivation is technological progress, which has been driving us for more than 50 years to set new standards for the combustion industry.

Weishaupt's own Research and Development Centre is constantly working on both new developments and the optimisation of existing products.

It is our goal and our responsibility to go above and beyond current legislative requirements in developing combustion systems which produce fewer and fewer emissions, save more and more energy, and in so doing combine ecology and economy in a practical manner.

Therefore, not only do we invest in research and technology but we also only ever work on the best materials with modern tools and we carry out meticulous quality control checks.

It has been proven over a million times in the field that heating specialists and customers hold Weishaupt burners to be reliable, long lasting, environmentally friendly and technologically advanced. A fact also documented by numerous design and innovation prizes.

Over 600 burners are manufactured daily at our ultra-modern production facilities in Schwendi. Every single burner is subjected to a mechanical and electrical function test. The combination

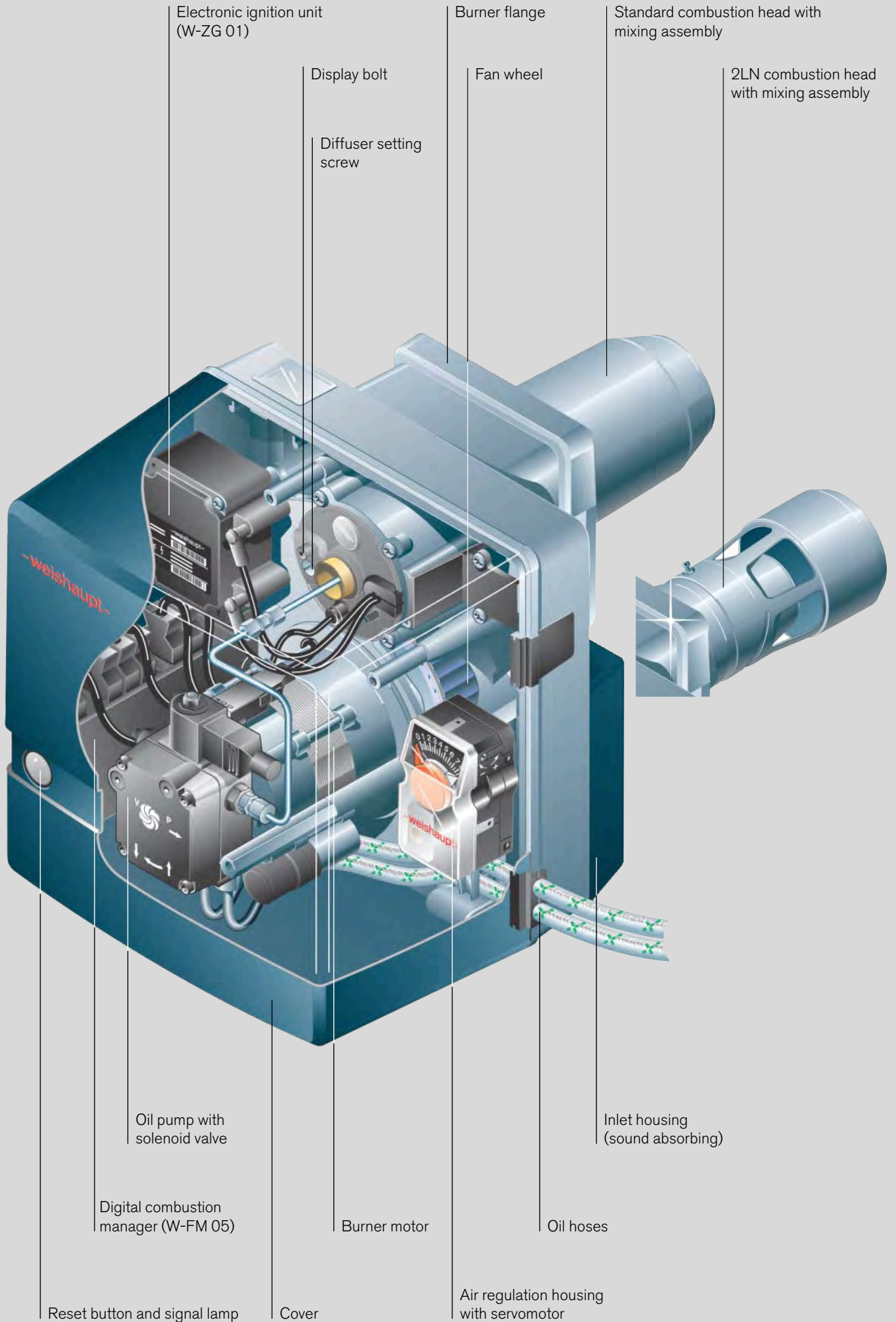
of technology with an effective quality control system safeguards Weishaupt's renowned reputation for quality.

A new burner is always an investment in the future. Cost needs to be well balanced against use, but the final deciding factors for long term success are quality, technology and safety. Deciding for Weishaupt burners is therefore a safe investment in the future.





*Ultra-modern research and production methods  
and rigorous quality control ensures the quality  
for which Weishaupt is renowned*



Electronic ignition unit (W-ZG 01)

Burner flange

Standard combustion head with mixing assembly

Display bolt

Fan wheel

2LN combustion head with mixing assembly

Diffuser setting screw

Oil pump with solenoid valve

Digital combustion manager (W-FM 05)

Burner motor

Inlet housing (sound absorbing)

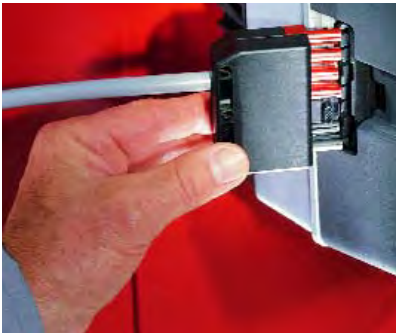
Oil hoses

Reset button and signal lamp

Cover

Air regulation housing with servomotor

## Well thought out technology – a Weishaupt burner operates simply



*Non-interchangeable plugs for safe connections*



*Operating and fault conditions are indicated by coloured LEDs*



*Servicing is no problem thanks to the clearly laid out construction*

### **A safe investment in the future**

Reliable and economical: The millionfold success of the Weishaupt compact burners is the result of orienting without compromise towards quality and the customer. The technology has been constantly developed and improved over decades. The latest production methods and stringent quality checks of all products ensure Weishaupt's reputation for quality. You are making a safe investment in the future.

### **Proven quality**

All burners are tested by an independent body and conform to the following standards and EU directives:

- EN 267
- Machinery Directive 98/37/EC
- Electromagnetic Compatibility Directive 89/336/EEC
- Low Voltage Directive 73/23/EEC
- Boiler Efficiency Directive 92/42/EEC

### **Green from the start**

All Weishaupt burners are economical with fuel and emissions. Special Low NO<sub>x</sub> version oil burners are available where a specially designed mixing head produces an intensive internal flue gas recirculation, resulting in exemplary emissions levels.

### **Digital combustion management for safety and ease of use**

All Weishaupt W series burners are fitted with digital combustion managers as standard, whose microprocessors control and monitor all burner functions. The result: Weishaupt burners are easy to use, precise and safe, with the pleasing side effect of a particularly good price/capacity relationship. The digital combustion managers also offer the possibility of communicating with other systems via an integrated eBUS port. This enables the heating engineer to monitor the operation of the burner and remotely diagnose any errors.

### **Outstanding service**

Weishaupt has an extensive sales and service network worldwide. Customer service is available around the clock. Optimal in-house training at Weishaupt ensures our service engineers are of the highest calibre.

# Trustworthy technology

Even the visual impression after removing the burner cover is convincing. All components are clearly arranged, the electrical connections are obvious and non-interchangeable. The technology makes a good impression because it is typical Weishaupt.

## **Burner with oil preheating**

Version H oil burners are equipped with oil preheating. This enables optimal flame stability to be achieved even at low ratings.

## **Weishaupt nozzle shut off system**

All WL5 burners with oil preheating are equipped with the Weishaupt nozzle shut off system. This shuts off the oil completely whilst the nozzle assembly is brought up to temperature and ensures no oil drips out after burner shutdown.

## **Sound attenuated air inlet**

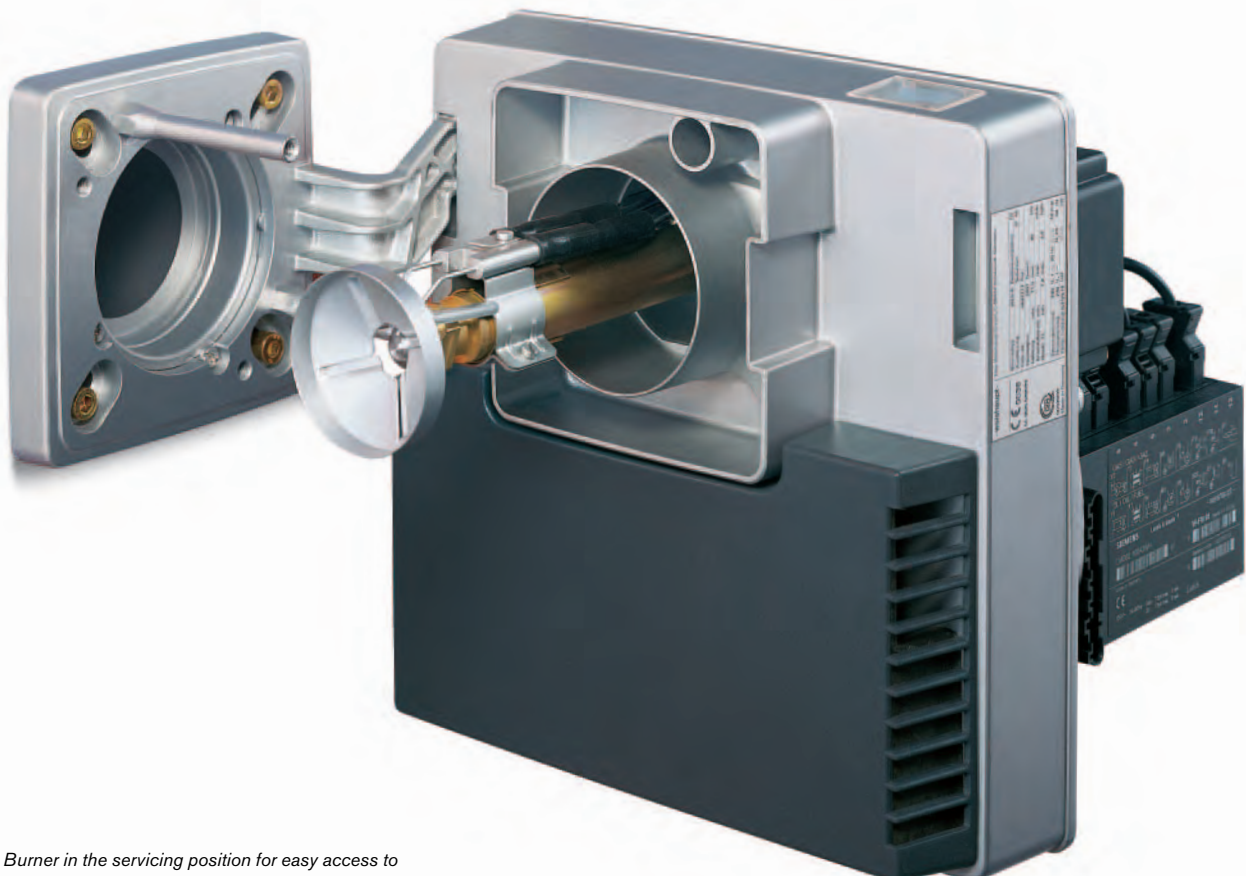
The transverse fan is sound attenuated on the suction side. These burners therefore operate particularly quietly.

## **Electronically controlled air damper**

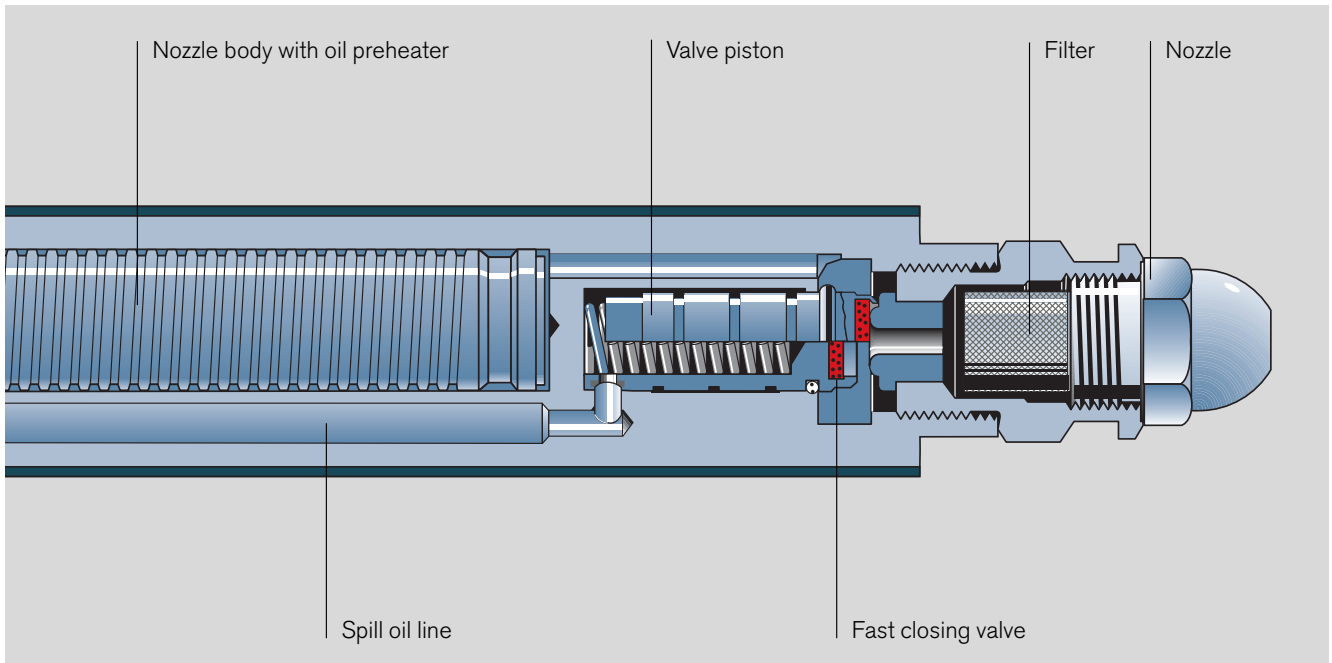
The electronically controlled air damper closes at burner shutdown to hinder the cooling-down of the combustion chamber.

## **Sevicing position**

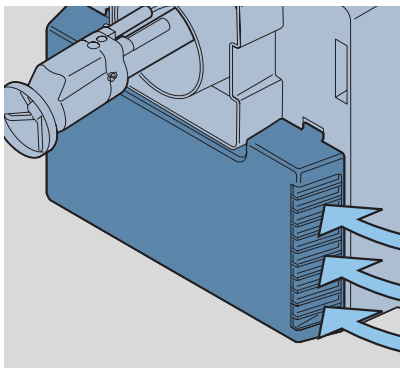
A special bracket enables the burner to be put into a servicing position, which enabling easy access to the burner and mixing assembly.



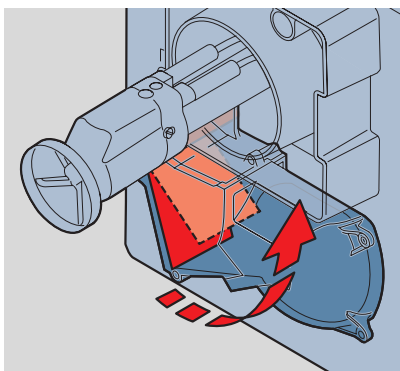
*Burner in the servicing position for easy access to the mixing assembly*



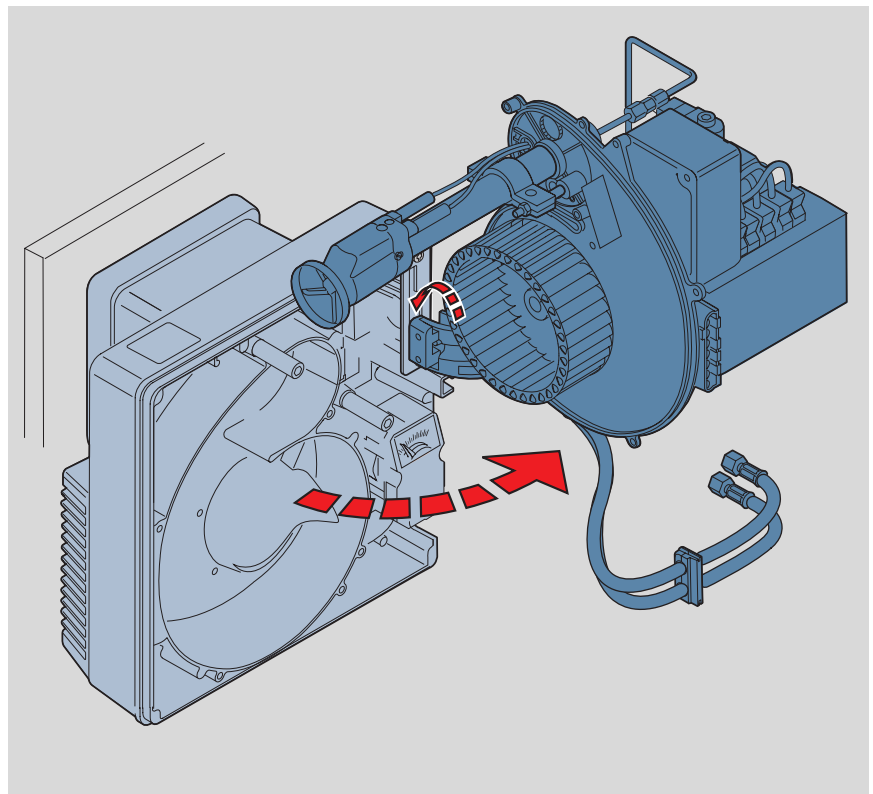
Weishaupt nozzle shut off system



Sound absorbing air inlet housing



Electronically controlled air damper



Housing cover with components in servicing position: Easy access to the fan wheel

## Technical data

