System
Open Vent
Combination

SEDBUK 'A' High Efficiency Condensing Boilers
The Férroli Group

One of the largest heating manufacturers in the world

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Férroli began producing heating appliances and equipment in Italy during the 1950s. Today, the company is still family-owned but now operates nine ultra-modern factories in Europe, employing 2,200 people and producing more than 500,000 cast iron and welded steel boilers per year, making Férroli one of the largest and most successful heating appliance manufacturers in the world.

Férroli UK domestic

Offering gas wall mounted units with outputs from 5kW to 50kW, Férroli’s stylish, compact domestic boilers provide maximum comfort with minimal fuel usage. With a choice of conventional, condensing and combi technologies, there’s a boiler to match the heating and hot water requirements of every home. Férroli also produces steel, cast iron and aluminium radiators.
Why Férroli & why High Efficiency?

With environmental concerns becoming more and more important, we need to ensure protection of the world’s resources and the reduction of the emissions of harmful greenhouse gases into the atmosphere.

Férroli are leading the way in the development of a new generation of High Efficiency gas condensing boilers that reduce the harmful emissions that are released into the atmosphere.

With the new government legislation stating that the majority of boilers installed after April 2005 must be High Efficiency, this places Férroli as one of the leading High Efficiency boiler manufacturers.

The Férroli Optimax range of **System, Open Vent and Combination** boilers are part of these new developments, gas-fired condensing boilers designed specifically to burn less gas and therefore reduce CO₂ emissions and Noₓ, saving the home owner money and helping to conserve energy and the environment.

How does it work?

By using a large heat exchanger, condensing boilers are designed to extract more sensible heat from the flue gases. This provides greater efficiency in operation.

In addition, by cooling the flue gases below 54°C a change of state occurs when the water vapour in the products of combustion condenses. This change of state will release the latent heat of vapourisation into the system, and therefore increases the boiler efficiency. This is normally lost into the atmosphere via the flue.

The Optimax range

**High Efficiency System Boiler (Optimax 25 S)**

**High Efficiency Combination Boiler (Optimax 25 C)**

**High Efficiency Open Vent Boiler (Optimax 25 OV)**

All of the Optimax range features:

- 7.3kW - 24.7kW outputs
- Lower Emissions
- Standard 2 year guarantee
- SEDBUK ‘A’ rated
- High savings on gas bills
- Wall hung
- Ultra quiet operation
- Easy access to components
- Self-diagnostic
“Optimax can reduce gas bills by as much as 35%”
Optimax

The range features

**Auto output selection**
The auto output selection control system developed by Férroli enables the Optimax to automatically set its own output each time heat is called for to meet the exact requirement of the system.

**Hot water production**
The Optimax 25 C combination boiler can produce up to 12 litres/min of domestic hot water at 35ºC rise.

**Advanced burner design**
The pre-mix ceramic burner offers a longer life and greater reliability.

**Pre-mix fan assembly**
To ensure maximum combustion efficiency, the Optimax accurately mixes the air and the gas prior to combustion resulting in the perfect flame.

**Guarantee**
When you buy an Optimax boiler you’ll benefit from 5 years guarantee* on the Domestic Plate Heat Exchanger and 2 years on the boiler.

**Appliance frost protection**
The Optimax boiler incorporates a useful frost protection facility which will protect it from extreme cold weather conditions.

**Time clock (Optional)**
An optional single channel ‘plug-in’ 24 hour programmer is available on the Optimax 25 Combination Boiler only.

**Extended service contracts**
Once the normal guarantee period expires, why not extend your guarantee with one of Férroli’s flexible service contracts.
Call Férroli Caresafe for a free information pack on 08707 282 884.

**Ceramic plaque burner**
By the use of a large ceramic plaque burner, the flames are evenly spread which ensures ease of ignition and an exceptionally quiet and efficient operation.

**Solar panel link up**
The Maxima is the prefect partner to increase energy efficiency for hot water production, when designing your heating system you have the option to link up with solar panel/s.
For further details contact Férroli direct.

**Underfloor heating**
Maxima can easily be linked to any underfloor heating system.
For further details contact Férroli direct.

**Install anywhere**
The Optimax is a room sealed wall hung fan-flue appliance with a wide range of flue options that enable it to be installed almost anywhere.
No air for combustion is required from the room in which it is installed and it can be hidden away conveniently in kitchen cupboards or in the loft.

**Safety**
The most important features any home owner expects from a boiler are safety, reliability and economy. Férroli domestic heating appliances are renowned for their quality and reliability, meeting all current European standards of manufacture, and now the Optimax offers higher levels of efficiency.
Safety in operation is of prime importance. The Optimax is CE approved, has IP44 electrical protection and incorporates many safety protection devices in its design to ensure total peace of mind for the user.

*Replacement item only after standard two year appliance guarantee expires.*
SEDBUGK 'A' RATED

“Optimax covers all angles of High Efficiency”
Optimax


Unique Features

1. Pre-mix fan assembly
   The 24 volt pre-mix fan is extremely quiet in operation and in conjunction with our down firing ceramic burner ensures the most efficient process of combustion possible.

2. Ceramic plaque burner
   “A picture paints a thousand words” so unlike many condensing appliances the Optimax allows viewing of the flame through a conveniently positioned window within the combustion cover. The Ceramic Plaque Burner provides the optimum in clean burn technology, ultra-quiet with spark generated ignition, which being an extremely reliable and proven system gives peace of mind for the end user.

3. Clip on sensors
   Negative Temperature Co-efficient sensors (N.T.C.) are dry clip-on style this helps to prevent premature failure from system contamination. In the unlikely event of a sensor failure, they can easily be changed without draining down the system.

4. Aluminium heat exchanger
   Designed and built within our “State of the Art” research and development department in San Bonifacio, Northern Italy. This aluminium heat exchanger ensures proven reliability and energy efficiency in conjunction with standard heating system design. (Typical Flow and Return temperature differential of 15°C).

5. Grundfos 15/50 pump**
   Grundfos 15/50 pump is used to ensure reliable delivery of hot water and heating.

6. Stainless steel domestic plate heat exchanger
   The Stainless Steel plate heat exchanger is guaranteed* for 5 years against scale build up, it allows a hot water flow rate of 12 litres per minute at 35°C (Optimax 25 Combination only).

7. Multifunctional user interface
   All Optimax boilers are fitted with a multifunctional, simple to use interface with installers programming access.

*Replacement item only after standard two year appliance guarantee expires.
**Optimax Open Vent boiler not fitted with grundfos 15/50 pump.
“Maximum Efficiency. Maximum features.”
Simple Flueing

A comprehensive range of flue options, which enable installers to overcome any potential site problems, are available with all Férroli fan flue domestic boilers. Through wall, flat or pitched roof. SE-Duct and U-Duct are all catered for with equal efficiency.

**Standard fan assisted flue**

The standard system for all models features a concentric flue consisting of two tubes – the central one removes exhaust products, while fresh air is drawn to the boiler between the inner and outer tubes. Available in 0.9 metres as standard and 2 metre and 3 metre lengths of 100mm diameter concentric flue.

**Option 1 – 80mm two pipe system**

The two pipe system affords maximum flexibility in sitting, particularly when combined with both 45 and 90 degree connecting elbows. Exhaust product outlet and fresh air intake can be positioned in separate locations, up to a combined Equivalent length of 75 metres.

**Option 2 – 100mm concentric flue**

Available for all fan flue models up to a maximum length of 5 metres horizontal and 6 metres vertical.

**Option 3 – 125mm concentric flue**

Available for all fan flue models vertical and horizontal up to a maximum length of 15 metres horizontal and 16 metres vertical.

**High rise applications**

Férroli combination boilers are ideally suited for high rise buildings. For SE-Duct and U-Duct applications, installers can choose whether to use the concentric flue or two pipe system.

Férroli's complete flue manual is available free of charge which provides a comprehensive detailed list of options achievable.

Please call 08707 282 882 today for full details and a prompt response.
Flue options

For a copy of our comprehensive Flue manual please call us today.
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Férroli Commercial and Industrial boilers
Férroli commercial boilers for pressure jet oil, forced air gas or dual-fuel are factory matched with high-efficiency burners to provide outputs up to 12,350 kW, while meeting the strictest emissions demands. Our technically sophisticated research and development programme creates flexible, compact designs to suit standalone or modular heating systems, and commercial buyers benefit from Férroli’s specialist consultation and technical support.

Férroli Service
Once the normal guarantee period on our boilers has expired, coverage can be extended cost-effectively with a choice of Férroli service contracts to suit your budget. All Férroli service engineers work to Benchmark standards and the Benchmark Code of Practice for the installation, commissioning and servicing of central heating systems, designed to improve the quality of work undertaken by plumbers and heating installers.

Férroli Spares
The rapidly growing popularity of Férroli as first choice for both domestic and commercial installations means that heating parts stockists offer readily available spares for Férroli boilers. For less frequently needed items, we maintain a fully-stocked warehouse located centrally in the UK, enabling same-day despatch of just about any part needed to keep your Férroli boiler running at optimum efficiency.

Férroli Training
Férroli understands that well-trained installers are the key to a safe and efficient heating system. That’s why we run comprehensive training courses in our purpose-built facilities for everyone concerned in the installation and servicing of Férroli’s range of boilers. These courses improve installers’ knowledge and skills by providing both the theory and the hands-on practical experience essential to maintaining heating system performance and safety.

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