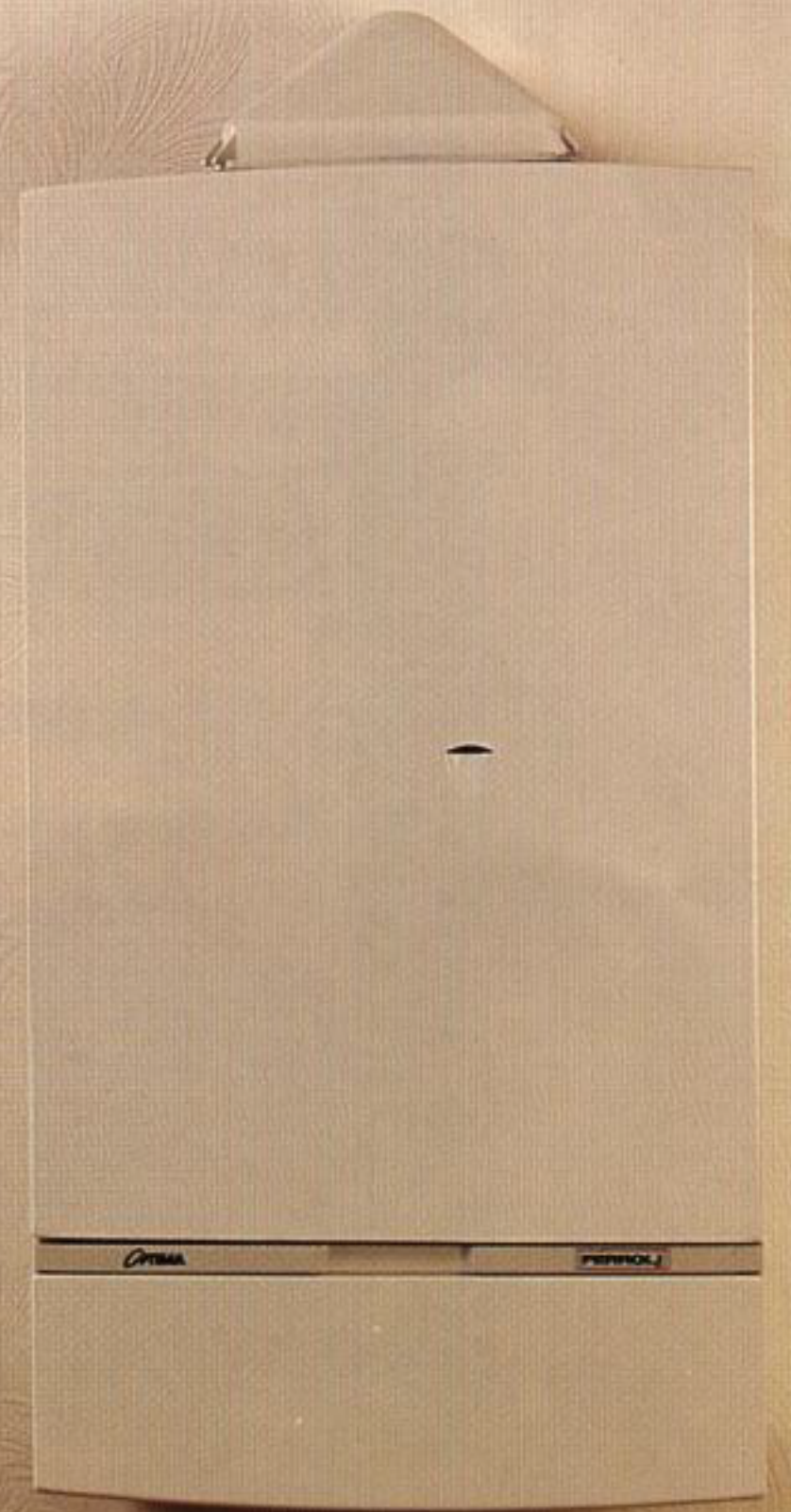


OPTIMA 2001

THE UK'S ONLY SELF-REGULATING
CONDENSING COMBINATION BOILER
featuring the unique '*Auto-miser*' electronic system

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it's a **Ferroli**
CONDENSING BOILER

OPTIMA 2001

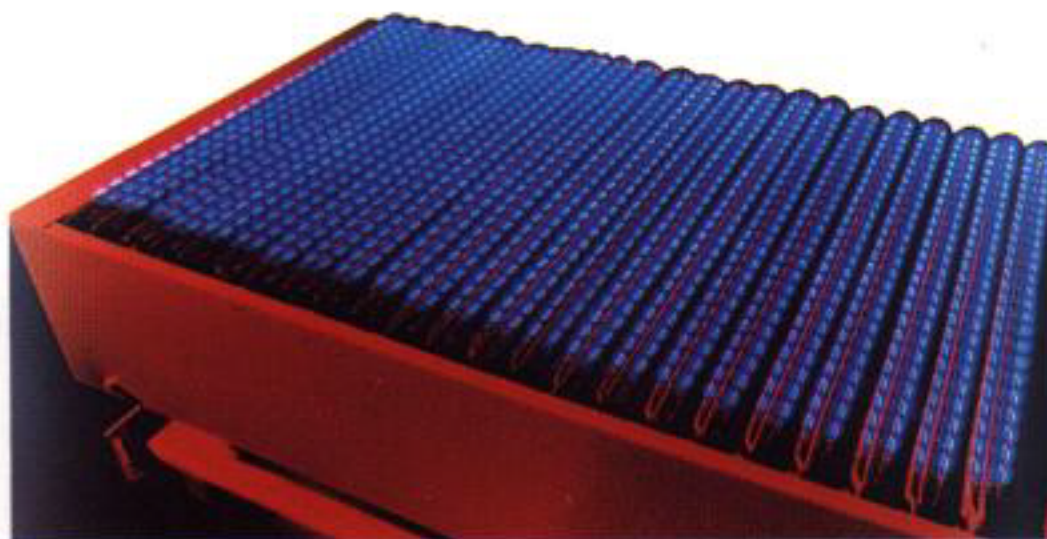
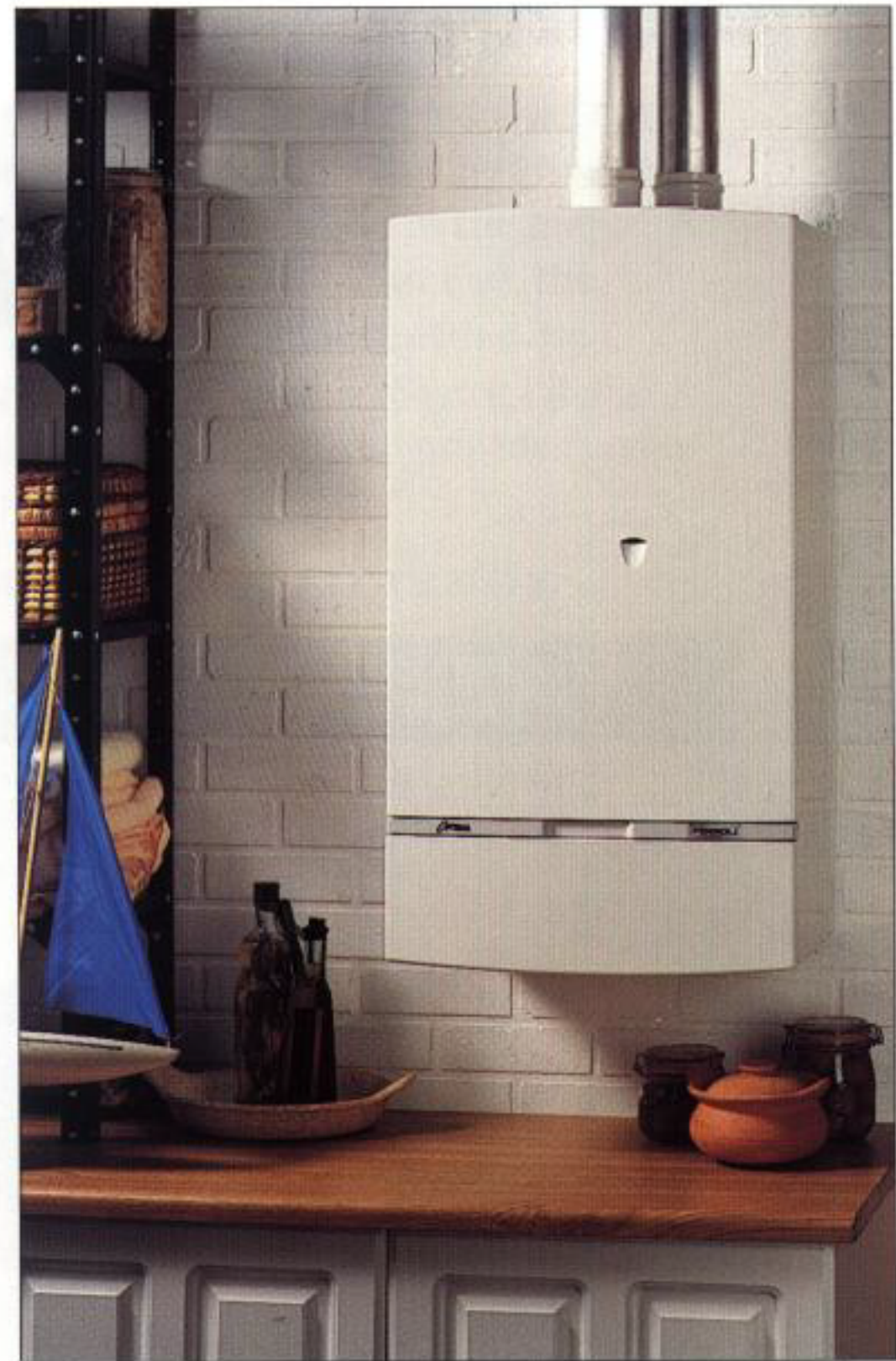
CONDENSING COMBINATION BOILER

The Optima 2001 is the ultimate "green machine" in the home heating arena. A super-efficient, self-regulating, gas-fired condensing combination boiler, the Optima 2001 provides superb fuel efficiency AND low CO₂ and NO_x emissions.

Developed and built by Ferroli, one of the world's leading domestic boiler manufacturers, the Optima 2001 provides fuel efficiencies up to 30% greater than conventional systems.

And, with concern for both environmental impact and wastage of natural resources growing continuously, the Optima 2001 is the natural choice for home heating.

It also offers the advantage of greater economy to users. Greater fuel efficiency means lower bills a major advantage at a time of rising fuel costs and the imposition of fuel taxation.



Ferroli's new environmentally friendly burner

COOL BURN

The Optima 2001 features the latest "cool burn" burner developed by Ferroli. The burner is designed to minimise potential atmospheric pollution from NO_x and CO₂ emissions and maximise fuel efficiency.

The flue gas emissions from most conventional boilers contain approximately 140 parts per million of NO_x pollutants. With the "green" Optima 2001 this reduces to an almost unmeasurable 11 parts per million.

AUTOMISER

A UNIQUE FEATURE OF THE OPTIMA 2001

The Optima 2001's Electronic 'Auto-miser' Fuel Management Systems means that the boiler automatically sets its own output each time the boiler calls for heat and then modulates ensuring optimum performance. Self regulation is a major aid to reducing fuel bills and keeping emissions to an exceptionally low level. No other condensing combination boiler offers this feature - only Ferroli.

SIMPLICITY

The Optima 2001 is at the very forefront of boiler development but our Research and Development engineers have removed all but the absolutely essential elements to ensure simplicity of design. All parts of the boiler can be accessed from the front for ease of servicing and components are carefully arranged to enable simple diagnosis and quick, easy replacement.

THE CONDENSING COMBINATION BOILER-

How it works

In most conventional boilers the water from the central heating system flows through a single heat-exchanger and is heated by the combustion gases from the burner. However, up to 20% of the heat generated cannot be used and is discharged into the atmosphere and wasted.

In a condensing boiler, the heat exchanger is designed to have a much larger surface area to enable as much as possible of the heat generated to be converted into usable energy.

The Optima 2001 is actually fitted with two heat exchangers to maximise the conversion of generated heat into usable energy. The primary exchanger is manufactured from copper and the secondary unit from aluminium. Between them they extract over 90% of the usable heat from the flue gases.

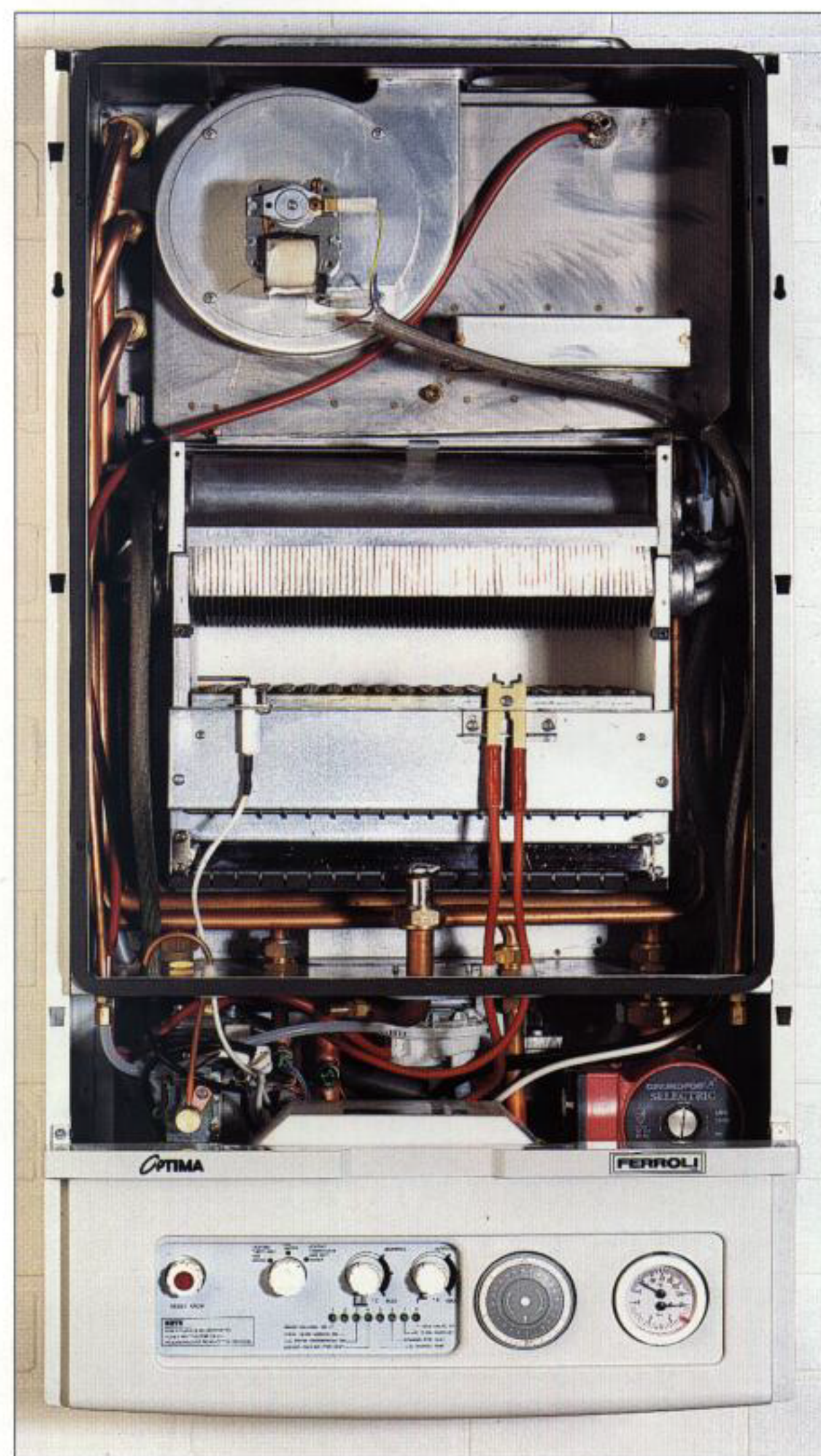
In condensing mode the Optima 2001 provides efficiencies of up to 92%. This is 30% greater than conventional systems.

'New' Additional Outside Compensation Control

Ferrolli has now developed and incorporated into the Optima 2001 a facility to compensate for changes in weather conditions which automatically adjusts the temperature from the boiler into the property.

An outside sensor is available which will automatically regulate the boiler flow and return temperatures to ensure radiator outputs adjust to meet the design criteria of the system depending on outside temperature changes. This feature guarantees maximum boiler and system efficiency and ensures the comfort conditions the installer has designed for.

This feature shows that Ferrolli once again leads the market in technical expertise by providing a high efficiency condensing boiler with an in-built full energy management system.



Easy access for servicing and simple fault finding using LED's makes the Optima 2001 particularly user friendly.

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it's a **Ferrolli**

OPTIMA 2001

CONDENSING COMBINATION BOILER

The Optima 2001 is one of a wide range of gas-fired, fan or conventional flued, wall-hung combination boilers manufactured by Ferroli in state-of-the-art factories using the latest robotic technology. All boilers in the range are marketed and supported in the UK by Ferroli, a division of BWF Ltd, ensuring fast and efficient spares and service.

FEATURES AND BENEFITS

- Control Panel - simple to use controls protected by flip-down panel. Easy to read instructions.
- Time-Clock - factory-fitted and pre-wired.
- Unique 'Auto-miser' Fuel Management system - enables boiler to set and modulate output to ensure optimum performance.
- The Optima 2001 will provide domestic hot water even the if pump fails.
- Diagnostics - in-built fault finding system incorporating LED's for instant visual evaluation can significantly reduce service costs.
- Fan-Flued - ensures efficient combustion and siting flexibility.
- Honeywell Modulating Gas Valve - Full modulation improves reliability, safety and economy.
- Styling - new, elegant jacket styling by a top Italian design house completes the package.

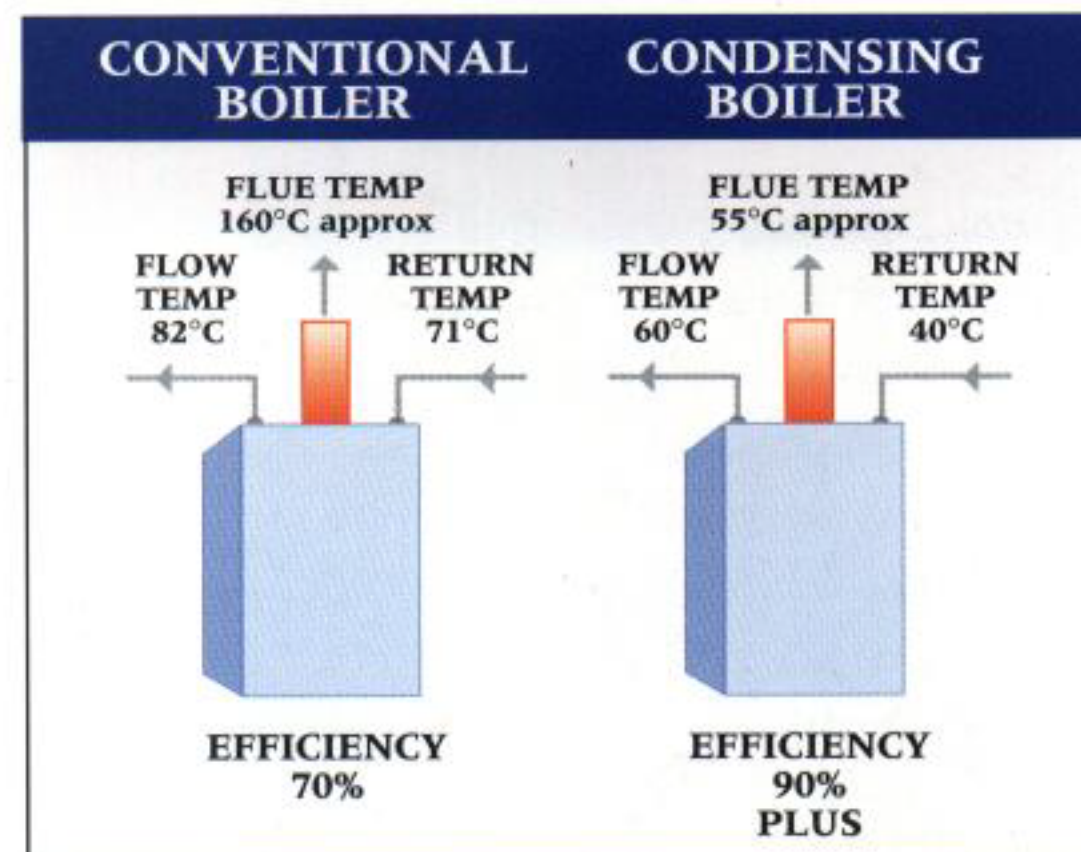
TECHNICAL SPECIFICATION

HEAT OUTPUT		STANDARD FLUE SIZE 100mm (4")
D.H.W.	33,000-79,500 Btu/h 9.7-23.3 kw	GAS CONNECTIONS
C.H.	33,000-82,500 Btu/h 9.7-24.2 kw	Nat Gas/LPG 22mm
DIMENSIONS		WATER CONNECTIONS
Height (Exc. Flue)	910mm (35.8")	D.H.W. 15mm
Width	480mm (18.9")	C.H. 22mm
Depth	370mm (14.5")	FITTED CLOCK ✓
INSTALLATION CLEARANCE		VALVED JIG BRACKET ✓
Top	100mm (4")	ELECTRICAL SUPPLY 230V-50HZ 3 AMP FUSED
Sides	5mm (0.2")	HOT WATER FLOW 9.5 Litres/min @ 35°C TEMP RISE (2.11 Gal/min)
Bottom	200mm (8")	




INSTALLATION

Valved jig brackets, template and easily accessible connections make the unit extremely simple to install and service. All parts of the boiler can be accessed from the front. The multi-directional flue means it can be sited - literally - anywhere in the home. In addition to the standard 0.75m flue, the Optima 2001 can be supplied with a 3m concentric flue, a twin pipe adaptor kit and 20m flue as optional extras to provide further siting opportunities.

GREATER EFFICIENCY ...



... AND GREATER ECONOMY

			
Dwelling	Mid Terrace	Semi-detached	Detached
Fuel Used	Gas Standard Boiler Condensing Boiler	Gas Standard Boiler Condensing Boiler	Gas Standard Boiler Condensing Boiler
Annual Consumption	26400 kwh 901 therms 21250 kwh 725 therms	29500 kwh 1007 therms 23750 kwh 810 therms	47000 kwh 1604 therms 38200 kwh 1303 therms
Annual Cost	£422 £340	£472 £380	£752 £611
Annual Saving	£82	£92	£141

Examples shown are taken from North Eastern Region
Based on energy costs of 1.6p/kwh.



Ferroli

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Technical Helpline: 0121 352 3200



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CERTIFIED PRODUCT
Manufactured under
ISO 9002 quality
system

Ferroli pursues a policy of continuous product improvement and reserves the right to alter specifications and design without prior notice.