

Ferrolì

www.ferroli.co.uk

Domestic Boilers
High efficiency
condensing combination,
system and open vent boilers



**High efficiency
Condensing combination boilers**

26c, 27c, 31c, 32c and 38c

System boilers

18s, 25s and 35s

Open vent boilers

18ov and 25ov

21st century design for 21st century life



Ferrol



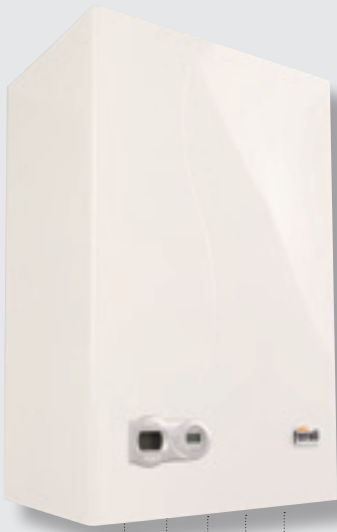
Ferrol is one of Europe's leading manufacturers of heating solutions for domestic, commercial and industrial requirements. We pride ourselves on using the latest technological advances to achieve optimum energy efficiency whilst ensuring environmental protection. This means that when you choose a new Ferrol high efficiency condensing boiler for your home, you can be assured that you have chosen one of the most sustainable and cost-effective ways to generate heat and hot water.

We also understand that reliability is your number one concern and this is why we provide you with the further reassurance of our 5 year manufacturer's warranty* on the Modena HE and Optimax HE PLUS ranges.

Reliability reassurance with

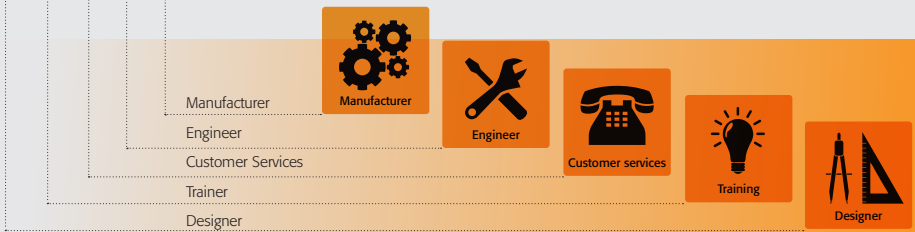
ferrol

* Excludes The Republic of Ireland. UK warranty is subject to terms and conditions – please refer to the document enclosed with the boiler or contact our service department for further information.



Free back up

with every Ferrol boiler



Ferrol offers a complete one-stop-shop solution

We pride ourselves on being able to offer much more than simply high specification, value for money products.

We aim to provide our customers with unbeatable knowledge, support and service that extends beyond the sale of the product.

SPECIFICATION AND TECHNICAL SUPPORT

Installers, merchants, specifiers and developers can call Ferrol's technical support team at any time for specification guidance or technical support.

SERVICE AND SPARES

With a national team of dedicated engineers across the UK, Ferrol is always ready and able to provide support to installers and homeowners alike. Be that a repair or annual service, our aim is to ensure your Ferrol boiler works efficiently for years to come.

Ferrol engineers carry a comprehensive stock of spare components to ensure first fix where possible and we also have a nationwide network of Ferrol spare part stockists.

Service & Technical Support
0843 479 0479

Sales & Spares
0843 479 4790

General Enquiries
0843 479 0009



The Modena HE range sets a new standard for the domestic boiler market. It is the smallest, lightest and quietest boiler in its class and comes with a choice of a 5 or 2 year full parts and labour manufacturer's warranty*.

NOx Class 5+ and SEDBUK A ratings demonstrate the Modena's outstanding energy efficiency standards to provide what every customer wants – an exceptionally reliable boiler that combines high performance with lower fuel bills.

At just 600mm high the Modena can be sited in the most awkward of spaces; a lightweight of between 28kg and 31.5kg allows for one-man installation and an operating noise level of less than 40dB means it can hardly be heard.

Modena HE

High efficiency boilers
Combination 27c and 32c
System 18s and 25s

5 year warranty

2 year warranty

Choice of 5 or 2 year full parts and labour manufacturer's warranty for total peace of mind and reassurance*

- Height 600mm, Width 400mm, Depth 320mm
- Weight 28kg (18s & 25s), 29kg (27c) and 31.5kg (32c)
- Operating noise level <40dB
- NOx Class 5+ & SEDBUK A rated for extremely low emissions and high performance
- Operates on both natural gas and LPG
- System models have only 3 moving parts - pump, fan, gas valve; combi models have only 4 moving parts including DHW water flow meter
- Combi models condense in hot water mode
- All components can be serviced or removed via front panel
- Central flueing for easy replacement installations
- Microprocessor control and adjustment system with advanced self-diagnosis
- Robust stainless steel burner for long life
- Integral filling loop and easy to read contents/pressure gauge as part of the isolation valve kit
- All Modena boilers are fully compatible and ready to work with renewable energy products
- DHW/central heating heat exchangers can be chemically cleaned and flushed in situ

Up to
31.3 kW
Max
OUTPUT

32c
DHW flow rate
13.1 l/min
@ At 35°C

OPTIONAL
BUILT-IN
7
Day/Week
TIMER

MODENA
comes with
**filling
loop**



Low NO_x
(22mg/kWhr)

Optimax HE PLUS

High efficiency boilers
Combination 31c and 38c

5
year
warranty

5 year manufacturer's parts
and labour warranty for total
peace of mind and reassurance*

High efficiency condensing boilers providing cost saving benefits

NO_x Class 5+ rated for high environmental performance

Stylised casing with simple aesthetics

High density foam lining for reduced operational noise

Built-in by pass for quicker installation and assurance of minimum flow rates through the heat exchanger at all times

Integral filling loop as part of the boiler's valve assembly for easy installation

Easily removed single piece case for easy access during installation/maintenance

Full diagnostic software and easy to use controls with LCD

Built-in weather compensation software

Optional built-in 7 day/week digital timer

Complete with pre-wired cable

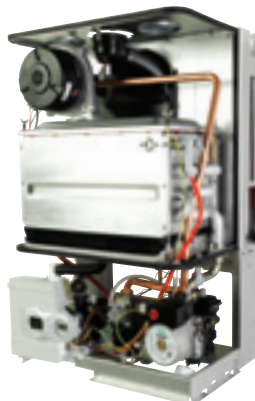
DHW
flow rate

15.4 l/min
@ Δt 35°C

OPTIONAL
BUILT-IN

Day/Week
TIMER

OPTIMAX
comes with
**filling
loop**



Photograph shows
optional timer fitted.

The Optimax HE PLUS range was one of the first boilers on the market with a leading 5 year manufacturer's warranty, such as our confidence in its high specification and reliability.

Ultra-low NO_x emitting, high efficiency rated Optimax HE PLUS boilers provide the perfect solution for any domestic application. In addition, Ferrol operates a programme of continuous improvement on all products to ensure the Optimax HE PLUS boiler maintains its high standards of quality without compromising the safety of the environment.

* Excludes The Republic of Ireland. UK warranty is subject to terms and conditions – please refer to the document enclosed with the boiler or contact our service department for further information.



Low NO_x
(19-23mg/kWhr)

Ferroli boilers compatible with renewable technologies

Ultra-low NO_x emitting, high efficiency rated condensing Optimax HE PLUS boilers provide the perfect solution for any domestic application, built to Ferroli's high quality cutting edge technology.

All Optimax HE PLUS system and open vent boilers have been specially designed to be fully compatible with renewable technologies. When incorporated into the system they will work in tandem with any solar or heat pump installation, providing efficient and effective supplementary support.

Optimax HE PLUS

High efficiency boilers
System 18s, 25s and 35s
Open Vent 18ov and 25ov

5 year warranty

5 year manufacturer's parts and labour warranty for total peace of mind and reassurance*

Up to
35kW
Max OUTPUT

18ov weighs only
19kg

Choice of open vent or system boilers suitable for any domestic heating and hot water requirements

Available for natural gas or to be converted for use with LPG

Outputs from 18kW to 35kW for accurate sizing to suit the application

High efficiency condensing boilers providing cost saving benefits

NO_x Class 5+ rated for high environmental performance

18ov model sized to easily fit in a standard kitchen wall unit

Fully compatible and ready to work with renewable energy products such as solar

Boilers ideally matched with the Ferroli Aquacyl and Aquasol XS range of stainless steel cylinders

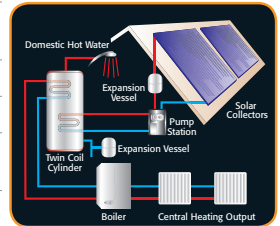
Stylised casing with simple aesthetics

High density foam lining for reduced operational noise

Easily removable single piece case for easy access during installation/maintenance

Full diagnostic software and easy to use controls with LCD

All models are compact and light



Econcept 51A

If a greater boiler output is required for large domestic or light commercial applications, then the Ferroli Econcept 51A wall mounted boiler can be considered. Up to five units can be connected together to create up to 250kW output in cascade operation. Please see individual Econcept brochure for more details.



The DOMIcondens combination boiler provides the convenience of ambient heating and instantaneous hot water for a wide range of domestic dwellings whilst also delivering a low running cost solution for homeowners with its SEDBUK Band A rated high fuel efficiency.

DOMIcondens HE

High efficiency combination boiler 26c



2 year manufacturer's parts and labour warranty for total peace of mind and reassurance*

Supplied with integral filling loop

Superb domestic hot water flow rates

SEDBUK A rated for fuel economy and cost saving benefits

NOx Class 3 rated for environmental performance

Proven technology for greater reliability

Optional wireless remote thermostat

Optional built-in 7 day/week digital timer

Simple, discreet case styling

Easily removed single piece case for ease of access during installation/maintenance

Simple user-friendly controls with LCD

Compact for easy installation

Photograph shows optional timer fitted.



Up to
26kW
Max
OUTPUT

DHW
flow rate
10 l/min
@ Δt 35°C

OPTIONAL
BUILT-IN
7
Day/Week
TIMER

DOMIcondens
comes with
**filling
loop**

Why Ferroli combination boilers?

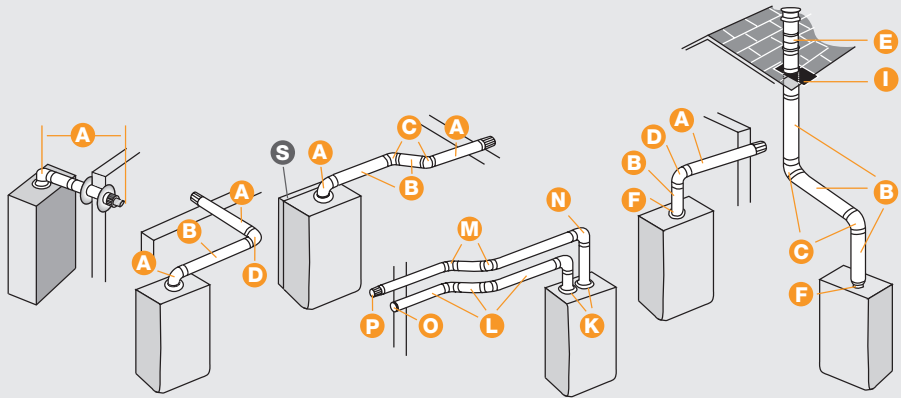
With environmental safety a primary concern within both the domestic and commercial heating markets, we all need to take responsibility for the protection of the world's resources and the reduction of harmful greenhouse gasses.

Ferroli is still leading the way in the development of new generation, high efficiency gas condensing boilers that reduce these harmful emissions.

The Ferroli DOMIcondens boiler is specifically designed to burn less gas and reduce CO₂ emissions to save the homeowner money whilst helping to conserve energy and protect the environment.

* Excludes The Republic of Ireland. UK warranty is subject to terms and conditions – please refer to the document enclosed with the boiler or contact our service department for further information.

Flues

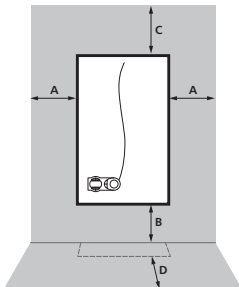


Essential to the boiler's operation is the availability of fresh, clean air and the ability to dispose of combustion products. This is achieved through the installation of a flue which provides ducts to the outside of the premises.

To optimise safety and performance, Ferrolli flues must always be used with Ferrolli boilers. Ferrolli has a comprehensive range of accessories to suit complex installations and to enable the extension of flue lengths. The diagram above shows typical flueing options.

CLEARANCES

- A 0.5cm (minimum)
- B 20cm (minimum)
- C 30cm (minimum)
- D 60cm (minimum) via an openable panel



Accessories

Manufacturer's Ref

A	Flue Std Horizontal 60/100mm Ø – nominal length 1m	041025G0
B	Flue Extension 60/100mm Ø – nominal length 1m	1KWMA57W
C	Elbow 45°– 60/100mm Ø	1KWMA64W
D	Elbow 90°– 60/100mm Ø	041051X0
E	Flue Vertical Termination 60/100mm Ø	1KWUK356
F	Appliance Adaptor for Vertical Flue 60/100mm Ø	041002X0
G	Bracket – Flue Support 100mm Ø	1KWMR46A
H	Roof Flashing Plate – Flat Roof Ø	1KWMA81U
I	Roof Flashing Plate – Pitched Roof Ø	1KWMA82U
J	Plumbing Kit – 60/100/60mm Ø	041042G0
K	Appliance Adaptor (Pair) for Twin 80mm Ø	041039X0
L	Flue Extension 80mm Ø – nominal length 1m	222952
M	Elbow 45°– 80mm Ø	222954
N	Elbow 90°– 80mm Ø	222955
O	Terminal (Air Intake) for Twin 80mm Ø Horizontal	1KWMA85A
P	Terminal (Flue Exhaust) for Twin 80mm Ø Horizontal	1KWMA86A
Q	Bracket – Flue Support 80mm Ø	1KWMR48A
R	Flue Vertical Termination Twin Connection 80mm Ø	010027X0

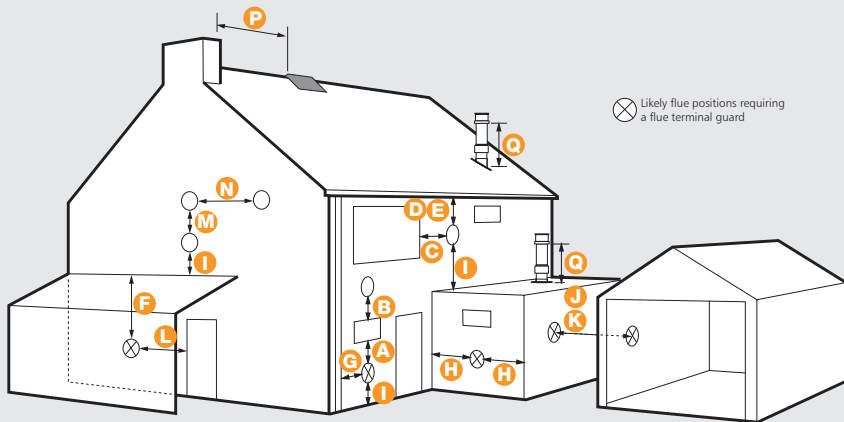
Please contact Ferrolli Sales for other 80/125 mm Ø flue options and accessories not shown. **Note** For non standard flue lengths over 1m a fall of 3mm (or preferably greater) per metre length should be incorporated back to the boiler. Consult manufacturer's installation instructions for full guidance and options for flueing.

Boiler Control and Accessory Options

Manufacturer's Ref

Digital (wireless R/F) Programmable Thermostat	30800009
Electro – Mech (wireless R/F) Programmable Thermostat	30800013
External Compensator (combi only)	1KWMA62U
Digital (built-in) Programmer	013001X0
Chromotherm Programme (open therm)	013100XA
Ⓢ Back Plate – Concealed Pipe work jig (25s and 31c)	046007G0
Ⓢ Back Plate – Concealed Pipe work jig (35s and 38c)	046008G0
Ⓢ Back Plate – Concealed Pipe work jig (26c)	046033G0

Flue terminal positions



Flue terminal positions

	mm
A Directly below an opening, air brick, opening windows etc.	300
B Above an opening, air brick, opening windows etc.	300
C Horizontally to an opening, air brick, opening windows etc.	300
D Below gutters, soil pipes or drain pipes	75
E Below eaves	200
F Below balconies or car port	200
G From a vertical drain pipe or soil pipe	150
H From an internal or external corner	100
I Above ground roof or balcony level	300
J From a surface facing the terminal	600
K From a terminal facing the terminal	1200
L From an opening in the car port (i.e. door, window) into the dwelling	1200
M Vertically from a terminal on the same wall	1500
N Horizontally from a terminal on the same wall	300
O From the wall on which the terminal is mounted	N/A
P From a vertical structure on the roof	150
Q Above intersection with roof	300

Notes

In addition, the terminal must not be nearer than 300mm to an opening in the building fabric formed for the purpose of accommodating a built-in element such as a window frame.

Condensing terminal positions: if the flue is to be terminated at low level then the potential effect of the plume must be considered.

The plume should not be directed:

- across a frequently used access route
- towards a window
- across a neighbouring property

For more information on terminal positions please contact our technical department.

The distance from a fanned draught appliance terminal installed parallel to a boundary may not be less than 300mm in accordance with the diagram below.



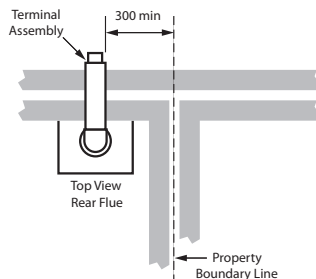
Electro – Mech
(Wireless R/F)
Programmable Thermostat



Digital (Wireless R/F)
Programmable Thermostat



Radio Thermostat
Clock Receiver
(c/w external
mounting and cable)



Technical specifications

		Combination				Open Vent		
		Modena HE		Optimax HE PLUS		DOMI condens HE	Optimax HE PLUS	
		27c	32c	31c	38c	HE 26c	180v	250v
Ferrol product codes		OT1R21GA 5yr ZUOT1R21GA 2yr	OT1R31GA 5yr ZUOT1R31GA 2yr	0M7F61GA	0M7F71GA	0CAJ51TA	0M7Q31GA	0M7Q41GA
Warranty*		5/2	5/2	5	5	2	5	5
NO _x emissions class (mg/kWh)		5	5	5+(23)	5+(22)	3+(126)	5+(19)	5+(23)
Energy marking rating (92/42 EEC directive)		★★★★	★★★★	★★★★	★★★★	★★★★	★★★★	★★★★
SAP 2009 annual/2005 seasonal efficiency %	NG	89.2/90.3	89.2/90.3	89.0/90.4	89.3/90.5	88.4/90.0	89.4/90.4	89.1/90.5
	LPG	90.4/92.2	90.4/92.2	90.2/92.0	90.5/92.5	90.7/92.1	90.6/92.6	89.9/91.4
Output max/min								
Heat input	kW	25.0/5.8	29.5/6.7	25.2/5.3	30.8/6.6	25.0	18.0/3.0	28.0/8.3
Useful heat output 80°C – 60°C	kW	24.5/5.7	28.9/6.6	24.6/5.2	30.2/6.3	24.4	17.7/2.9	24.7/7.3
Useful heat output 50°C – 30°C	kW	26.5/6.2	31.3/7.2	26.6/5.7	32.5/6.9	26.0	19.0/3.2	26.4/8.0
Central heating								
Maximum operating temperature	°C	90	90	90	90	90	85	80
Operating pressure central heating	Max. bar	3	3	3	3	3	3	3
	Min. bar	0.8	0.8	0.8	0.8	0.8	0.3	0.3
Expansion vessel capacity	litres	8	10	8	10	8	N/A	N/A
Expansion vessel pre-fill pressure	bar	0.8	0.8	1	1	1	N/A	N/A
Boiler water content	litres	1.7	2.1	1.5	2.0	1.5	1.0	1.5
DHW								
Maximum DHW production	Δt 25°C l/min	15.5	18.3	17.6	21.6	14.0	-	-
	Δt 30°C l/min	12.9	15.3	14.7	18.0	11.6	-	-
	Δt 35°C l/min	11.1	13.1	12.6	15.4	10.0	-	-
Operating pressure DHW	Max. bar	9	9	9	9	9	-	-
	Min. bar	0.3	0.3	0.25	0.25	0.25	-	-
Dimensions & weights								
Height	mm	600	600	700	700	700	630	630
Width	mm	400	400	400	450	400	320	400
Depth	mm	320	320	330	330	330	280	280
Weight (empty)	kg	29	31.5	37	42	35	19	27
Fittings								
Gas fitting	mm	22	22	22	22	22	22	22
Central heating fittings	mm	22	22	22	22	22	22	22
DHW circuit fittings	mm	15	15	15	15	15		
Power supply								
Max power input	W	100	120	130	140	135	50	50
Power supply voltage/frequency	V/Hz	230V/50Hz	230V/50Hz	230V/50Hz	230V/50Hz	230V/50Hz	230V/50Hz	230V/50Hz
Index of protection	IP	IPX5D	IPX5D	IPX5D	IPX5D		IPX5D	IPX5D
Maximum equivalent flue lengths								
Max horizontal flue length 60/100mm Ø	m	7	7	5	5	5	5	5
Max vertical flue length 60/100mm Ø	m	8	8	6	6	6	6	6
Max horizontal flue length 80/125mm Ø	m	20	20	14	14	11	15	15
Max vertical flue length 80/125mm Ø	m	20	20	15	15	12	16	16
Total equivalent length two pipe 80mm Ø	m	80	70	75	55	55	95	95
Filling loop		Yes	Yes	Yes	Yes	Yes	No	No
Hanging bracket		Yes	Yes	Yes	Yes	Yes	Yes	Yes
Pre-wired mains cable supplied		Yes	Yes	Yes	Yes	Yes	Yes	Yes

Energy efficiency advice and tips

Heating homes and hot water efficiently, cost effectively and in a sustainable way is high on everyone's agenda in the current climate. Choosing the right products is a good start but it is also about the way we use the energy we generate and, more importantly, the way we retain it.

Install energy efficient appliances and products throughout the home

Homeowners will save money on fuel bills when replacing older boilers with a new high efficiency condensing appliance because new boilers adjust automatically to ensure optimum efficiency from the energy being used.

Choose the right type of boiler for the size of the property

For larger homes, open vent or system boilers combined with storage cylinders are one of the most cost-effective ways of producing a larger amount of domestic hot water. Combi boilers, on the other hand, provide a highly efficient and effective solution for smaller households as they only heat water on demand, meaning energy is not wasted on heating water that is surplus to requirements. A correctly sized system is always important for energy efficiency. A system should be able to suit the needs of a household without the need for regular overrides of the programmed timings.

Renewable energy

Ferrolli also offers a range of renewable heat products consisting of solar heat systems and air source heat pumps. For further information about these products please contact the Ferrolli sales team.



System		System		
Modena HE		Optimax HE PLUS		
18s	25s	18s	25s	35s
0T2011GA 5yr ZU0T2011GA 2yr	0T2021GA 5yr ZU0T2021GA 2yr	0M7031GA	0M7041GA	0M7071GA
5/2	5/2	5	5	5
5	5	5+(19)	5+(23)	5+(22)
★★★★	★★★★	★★★★	★★★★	★★★★
89.2/90.2	89.2/90.2	89.4/90.5	87.0/88.0	89.4/90.6
90.4/91.4	90.5/91.5	90.6/92.5	88.2/89.0	90.6/92.6
17.4/4	25/5.8	18.0/3.0	25.2/5.3	34.8/6.5
17/3.9	24.5/5.7	17.7/2.9	24.6/5.2	34.2/6.3
18.5/4.3	26.5/6.2	19.0/3.2	26.6/5.7	36.7/6.9
90	90	95	95	95
3	3	3	3	3
0.8	0.8	0.8	0.8	0.8
8	8	7	8	10
0.8	0.8	1	1	1
1.7	1.7	1.0	1.5	2
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
600	600	700	700	700
400	400	320	400	450
320	320	300	330	330
28	28	31	36	41
22	22	22	22	22
22	22	22	22	22
-	-			
100	100	115	115	140
230V/50Hz	230V/50Hz	230V/50Hz	230V/50Hz	230V/50Hz
IPX5D	IPX5D	IPX5D	IPX5D	IPX5D
7	7	5	5	5
8	8	6	6	6
20	20	15	15	15
20	20	16	16	16
80	80	95	95	95
No	No	No	No	No
Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes

Your local Ferrolì stockist



CE



Ferrolì Limited
Lichfield Road
Branston Industrial Estate
Burton-upon-Trent
Staffordshire DE14 3HD

Ferrolì has been producing heating appliances and equipment since the 1950s. Today, the ultra-modern factories in Europe employ over 2,500 people and produce a wide range of wall hung, cast iron and welded steel boilers, making Ferrolì one of the largest and most successful heating appliance manufacturers in the world.

DBoilers/V2/01.12

Ferrolì Domestic Boilers Offering gas wall mounted units with outputs up to 50kW, Ferrolì'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.

Ferrolì Commercial and Industrial Boilers Ferrolì commercial boilers for pressure jet oil, forced air gas or dual fuel are factory matched with high efficiency burners to provide outputs up to 12,350kW, whilst meeting the strictest emissions demands.

Ferrolì Renewable Energy Products Ferrolì continues to meet the latest demands for renewable energy technologies. From domestic air source heat pumps to drain back and pressurised solar systems, Ferrolì has the products to suit the most popular renewable energy system options.

CONTACT US IN THE UK

SALES

0843 479 4790

sales@ferrolì.co.uk

SERVICE

0843 479 0479

service@ferrolì.co.uk

GENERAL ENQUIRIES

0843 479 0009

generalenquiries@ferrolì.co.uk

Ferrolì Spares The popularity of Ferrolì as first choice for both domestic and commercial installations means that heating parts stockists offer readily available spares for Ferrolì boilers. Ferrolì has a UK-based fully stocked warehouse enabling same-day despatch of just about any part needed to keep your Ferrolì boiler running.

Ferrolì Service Once the normal guarantee period on our boilers has expired coverage can be extended cost effectively with a choice of Ferrolì service contracts to suit your budget.

Ferrolì Training Well-trained installers are the key to a safe and efficient heating system. Ferrolì runs its own training courses within purpose-built facilities for everyone concerned with the installation and servicing of Ferrolì's range of boilers.

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