



Commercial and industrial heating

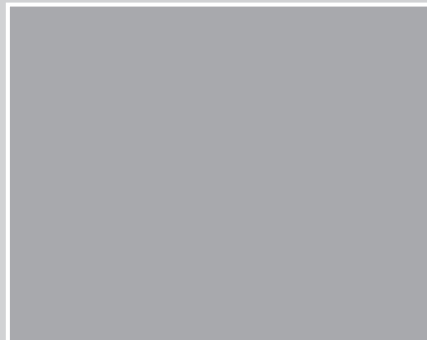
Range Guide



**commercial
boilers**

**hot water
cylinders**

**industrial
boilers**



Commercial and industrial heating

Ferrolli began producing heating appliances and equipment in Italy during the 1950s. Today, the company is still family-owned but now operates ten ultra-modern factories in Europe, producing a wide range of domestic, commercial and industrial boilers.

The boiler range covers wall hung and floor standing condensing, cast iron atmospheric and pressure jet, steel shell, steam and biomass products. Outputs range from 35kW to 14,000kW. Other products include heat pumps, cylinders, solar heating, underfloor heating, plate heat exchangers and pressurisation units.

Ferrolli's UK warehouse, backed by its huge manufacturing facility in Italy, offers delivery ex-stock for most smaller boiler models up to 650kW and for all frequently used parts. The company also assembles sectional boilers in the UK to suit particular requirements and sizes.



Contents

			PAGE
CONDENSING BOILERS			
Econcept	aluminium	35 – 500kW	4
ATMOSPHERIC BOILERS			
Pegasus	cast iron sections	51 – 289kW	5
PRESSURE JET BOILERS			
GN	cast iron sections	15 – 650kW	6
Prextherm RSW	fabricated steel	92 – 3,600kW	7
CYLINDERS AND PRESSURISATION UNITS			
Unvented Cylinders	stainless steel	90 – 300 litres	8
Unvented Cylinders	stainless steel	510 – 1000 litres	9
INDUSTRIAL HOT WATER BOILERS			
Prex 3 GN	fabricated steel	2,300 – 11,600kW	10
Prextherm T 3G	fabricated steel	1,200 – 10,000kW	10
INDUSTRIAL SUPERHEATED WATER BOILERS			
Prex 3G AS	fabricated steel	1,400 – 14,000kW	11
Prex AS	fabricated steel	136 – 3,488kW	11
OTHER INDUSTRIAL PRODUCTS			
Industrial Steam Generators		136 – 14,000kW	12
Diathermic Oil Heaters			12
Biomass Boilers			12
Hot Water Generators			13
Plate Heat Exchangers			13
Pressurisation Units			13
SOLAR HEATING			
Combi Cylinder Solution			14
Twin Coil Cylinder Solution			14
UNDERFLOOR HEATING			
Solid Floor System			15
Suspended Floor System			15
Floating Floor System			15

CONDENSING BOILERS

Econcept 35A, 50A, 80A, 100A* and 125A

Premix gas-fired room sealed condensing boilers

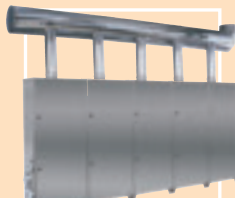
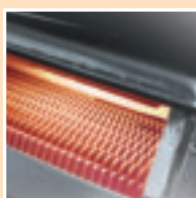
- Ceramic micro-flame premix burners
- High-efficiency aluminium heat exchangers
- Exceptionally versatile and compact
- Economical, ultra-low emissions
- Thermal efficiency up to 109%
- Suits heating systems in schools, offices and other commercial premises
- Ideal for underfloor heating applications
- All models can be connected in modular configuration for larger outputs, giving maximum flexibility and energy efficiency regardless of season and heating load
- Option for connection of external hot water cylinder[‡]
- 2 year[†] parts and labour warranty

Please call or visit www.ferroli.co.uk for further information on the Econcept range.



Econcept 100A

Econcept 50A



	Econcept 35A	Econcept 50A	Econcept 80A	Econcept 100A*	Econcept 125A
Type	Wall mounted	Wall mounted	Wall mounted	Floor standing	Wall mounted
Output (kW) 50°C - 30°C	34.6	48.4	79.5	96.8	123.0
Dimensions H x W x D (mm)	780 x 480 x 367	720 x 630 x 280	900 x 445 x 428	1650 x 700 x 400	900 x 445 x 428
Flue size (mm)	80/125** Conc or 2 x 80 Twin	80/125 Conc or 2 x 80 Twin	80/125 Conc or 2 x 80 Twin	150	80/125 Conc or 2 x 80 Twin
Weight (kg)	53	62	46	165	51
Rating / efficiency	Band A	Band A	Band A	Band A	Band A
Flow / return size	22mm/22mm	1"/1" BSP	1 1/2" BSP	DN 80	1 1/2" BSP
Electrical supply (V/Hz)	230/50	230/50	230/50	230/50	230/50

* Econcept 100A floor standing model not room sealed

** 60/100 concentric flue also available

‡ Econcept 35A and 50A only

† If commissioned by Ferroli

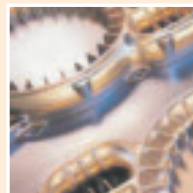
ATMOSPHERIC BOILERS

Pegasus F2N and F3N

Two stage gas fired atmospheric cast iron section boilers

- Two stage operation
- Atmospheric natural gas fired boilers
- Constructed from cast iron sections, delivered fully assembled (unless otherwise requested)
- Integral draught diverter gives low profile
- For use with fully-pumped indirect heating systems operating up to 4 bar working pressure and 90°C flow temperature
- All gas, flow and return connections at rear of boiler
- All cleaning and servicing carried out from front, allowing minimal side clearances
- Ideal for modular installations
- LPG version available
- 2 year† parts and labour warranty

Please call or visit our website for further information on the Pegasus range.



	Pegasus F2N	Pegasus F3N
Output (kW)	51 - 102	119 - 289
Dimensions H x W x D (mm)		
Smallest	1000 x 550 x 900	1050 x 930 x 1050
Largest	1000 x 800 x 900	1050 x 1780 x 1100
Flue size (mm)	180 - 200	220 - 350
Weight (kg)	250 - 400	470 - 945
Flow / return size	1 1/2" BSP	1 1/2" BSP
Electrical supply (V/Hz)	230/50	230/50

† If commissioned by Ferrol

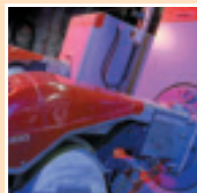
**10 year
warranty
on cast iron
sections**



GN1N

GN2N

GN4N



PRESSURE JET BOILERS

GN1N, 2N and 4N

Gas / oil fired cast iron section boilers

- Constructed from cast iron sections, GN1N delivered assembled for ease of handling, GN2N and GN4N delivered unassembled. (Contact Ferroli for on-site assembly if required.)
- Suitable for use with forced gas (natural or LPG), pressure jet oil (28 or 35 sec.) or dual-fuel
- Choice of on/off, high/low or fully-modulating burners
- Unique 3-pass flue gas path* for maximum heat transfer and ultra high operating efficiency
- For use with fully-pumped indirect heating systems operating up to 4 bar working pressure and 90°C flow temperature
- All cleaning and servicing carried out from front, allowing minimal side clearances
- Ideal for modular installations
- 2 year† parts and labour warranty

Please call or visit our website for further information on the GN range.

	GN1N	GN2N	GN4N
Output (kW)	23.3 - 93	90 - 252	200 - 650
Dimensions H x W x D (mm)			
Smallest	850 x 400 x 300	1196 x 600 x 647	1193 x 850 x 1040
Largest	850 x 400 x 900	1196 x 600 x 1637	1193 x 850 x 1950
Flue size (mm)	130 - 180	180 - 200	180 - 250
Weight (kg)	75 - 225	310 - 780	940 - 1740
Flow / return size	1½" BSP	DN 80	DN 80
Electrical supply (V/Hz)	230/50	230/50	230/50

* GN4N only † If commissioned by Ferroli

PRESSURE JET BOILERS

Prextherm RSW

Heat output from 92 to 3,600kW
Hot water boiler with three flue
passes (two in furnace)



- Heat output from 92 to 3,600kW
- Standard design pressure 6 bar (higher pressure design on request)
- Design temperature 90°C
- CE Certification in accordance with Directive on Appliances Burning Gaseous Fuels (90/396 EEC), Efficiency (92/42 EEC), Low Voltage (73/23 EEC modified from the 93/68 EEC) and Electromagnetic Compatibility (89/336 EEC modified from the 93/68 EEC)
- Large furnace with wet end plate and low volumetric heating load. Low polluting emission
- 2 year† parts and labour warranty
- Tube system located in the upper boiler part to reduce the condensation risk of the combustion gases and improve the heating exchange
- Specially shaped turbolators in the boiler tubes increase the heat exchange between the combustion gases and water, reducing the percentage of heat 'wasted' up the flue
- Insulation in mineral wool mattress of high density and effectiveness for very low irradiation losses outwards
- Easy cleaning and complete accessibility thanks to particular design solutions
- Personalisation possibility of the boiler and its components in accordance with specific customer request



	Prextherm RSW 92 – 1,060kW Quadra Series	Prextherm RSW 1,250 – 3,600kW Tonda Series
Output (kW)	92 - 1060	1250 - 3600
Dimensions H x W x D (mm)		
Smallest	980 x 800 x 1104	1738 x 1430 x 2967
Largest	1250 x 800 x 764	2158 x 1850 x 4193
Flue size (mm)	200 - 350	400 - 500
Weight (kg)	205 - 1330	1835 - 4680
Flow / return size (ins)	DN 50 - DN 100	DN 125 - DN 200
Electrical supply – control panel (V/Hz)	230/50*	230/50*

* Some burners may require 415/3 electrical supply † If commissioned by Ferroli

Please call or visit www.ferroli.co.uk for further information on the Prextherm RSW range

**25 year
warranty**

**hot water
cylinders**

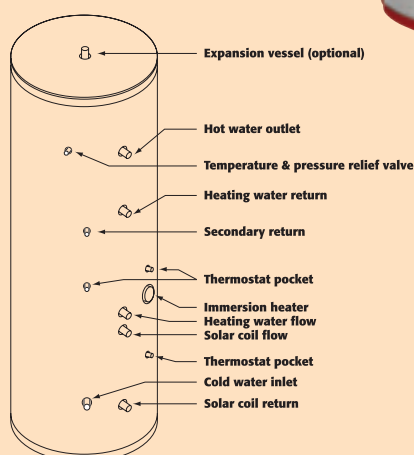
UNVENTED CYLINDERS

AquaCyl

Stainless steel unvented cylinders 90 – 300 litres

- Outer casing: stainless steel with corrosion resistant base
- Thermal insulation: rigid polyurethane foam
- Approvals and technical specification: 316L grade stainless steel body and coil
- Manufactured and tested to MOAT 38. WRAS Approved and Part L compliant
- Pressure test: 9 bar
- Primary coils: 22mm continuously wound coil
- Cylinder thermostat: twin probe with manual reset for over temperature cut out
- Factory fitted safety feature: temperature and pressure safety relief valve
- Single coil cylinders have secondary return connection on 200, 250 and 300 litre models
- 300 litre model has twin immersion heater sockets
- Twin coil cylinders, 150 litres and above, have single immersion sockets and secondary return connection as standard

PIPEWORK CONNECTIONS



AQUAcyl all models

Storage Capacity (litres)	90	125	150	170	200	250	300
SC single coil indirect models	✓	✓	✓	✓	✓	✓	✓
D direct models	✓	✓	✓	✓	✓	✓	✓
TC twin coil models	—	—	✓	—	✓	✓	✓
Overall diameter (mm)	545	545	545	545	545	545	545
Including immersion (mm)	610	610	610	610	610	610	610
Overall height (mm)	747	972	1097	1247	1447	1747	2057
Overall height with expansion vessel on top (mm)	1083	1308	1433	1583	1816	2150	2460
Weight when full (kg)	120	159	188	212	246	299	353
Primary flow/return connections (mm)	22	22	22	22	22	22	22
Cold feed/hot draw off connections (mm)	22	22	22	22	22	22	28
Maximum water supply pressure (bar)	12	12	12	12	12	12	12
System operating pressure (bar)	3	3	3	3	3	3	3
Expansion vessel charge pressure (bar)	3	3	3	3	3	3	3
Expansion relief valve set pressure (bar)	6	6	6	6	6	6	6
Temp & pressure relief valve set pressure (bar)	7	7	7	7	7	7	7
Lift temperature (0°)	90	90	90	90	90	90	90
Maximum primary work pressure (bar)	3	3	3	3	3	3	3

UNVENTED CYLINDERS

AquaCyl

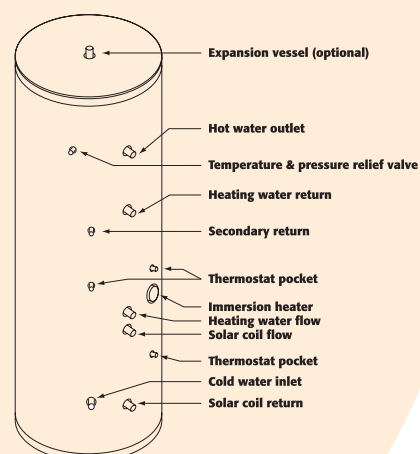
Stainless steel unvented cylinders 510 – 1000 litres

- Twin coil models suitable for connection to solar systems
- Outer casing: stainless steel with corrosion resistant base
- Thermal insulation: rigid polyurethane foam
- Approvals and technical specification: 316L grade stainless steel body and coil
- Manufactured and tested to MOAT 38. WRAS Approved and Part L compliant
- Pressure test: 9 bar
- Primary coils: 22mm continuously wound coil
- Cylinder thermostat: twin probe with manual reset for over temperature cut out
- Factory fitted safety feature: temperature and pressure safety relief valve
- Options package: optional 6kW heaters are available, also stainless steel immersion heaters for hard water areas
- Secondary return connection as standard



**25 year
warranty**

PIPEWORK CONNECTIONS



AQUAcyl/TC Twin Coil Models

Storage Capacity (litres)	510	1000
Overall diameter (mm)	700	800
Including immersion (mm)	700	800
Overall height (mm)	2087	2250
Overall height with expansion vessel on top (mm)	Floor mounted	Floor mounted
Weight when full (kg)	596	1215
Primary flow/return connections (mm)	22	22
Cold feed/hot draw off connections (mm)	22	22
Maximum water supply pressure (bar)	12	12
System operating pressure (bar)	3	3
Expansion vessel charge pressure (bar)	3	3
Expansion relief valve set pressure (bar)	6	6
Temp & pressure relief valve set pressure (bar)	90	90
Lift temperature (0°)	90	90
Maximum primary work pressure (bar)	3	3

INDUSTRIAL HOT WATER BOILERS

Prex 3GN

Heat output from 2,300kW to 11,600kW. Hot water boiler with three effective flue passes



	Prex 3GN
Output (kW)	2236 - 11603
Dimensions H x W x D (mm)	
Smallest	2660 x 2460 x 4420
Largest	3380 x 3020 x 8720
Flue size (mm)	500 - 850
Weight (kg) empty	6600 - 27800
Flow / return size	DN 200 - DN 350
Electrical supply (V/phase)	415/3

Prextherm T 3G

Heat output from 1,200kW to 10,000kW. Three effective flue passes hot water boiler



	Prextherm T 3G
Output (kW)	1200 - 10000
Dimensions H x W x D (mm)	
Smallest	1910 x 1540 x 3200
Largest	3360 x 2950 x 7300
Flue size (mm)	400 - 900
Weight (kg) empty	3750 - 25000
Flow / return size	DN 125 - DN 300
Electrical supply (V/phase)	415/3

INDUSTRIAL SUPERHEATED WATER BOILERS

Prex 3G AS

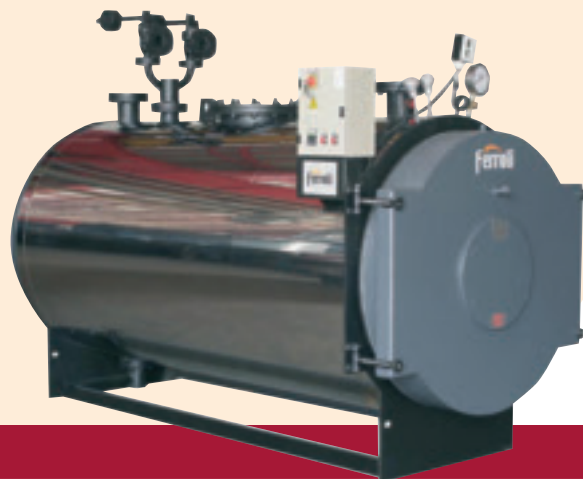
Heat output from 1,400kW to 14,000kW superheated water boiler with three flue passes



	Prex 3G AS
Output (kW)	1454 - 13956
Dimensions H x W x D (mm)	
Smallest	2500 x 2320 x 3810
Largest	3520 x 3120 x 8820
Flue size (mm)	450 - 850
Weight (kg) empty	7200 - 44000
Flow / return size	DN 125 - DN 300
Electrical supply (V/phase)	415/3

Prex AS

Heat output from 163kW to 3,488kW, max temperature 145°C. Three flue passes, two in furnace



	Prex AS
Output (kW)	163 - 3488
Dimensions H x W x D (mm)	
Smallest	1146 x 940 x 1785
Largest	2300 x 1910 x 4365
Flue size (mm)	300 - 600
Weight (kg) empty	730 - 2610
Flow / return size	DN 65 - DN 200
Electrical supply (V/phase)	415/3

OTHER INDUSTRIAL PRODUCTS

Steam generators



VAPOPRES 3G

Heat output from 1,500kW to 14,000kW. Saturated steam boiler with three flue passes



VAPOPRES HVP

Heat output from 105kW to 3,482kW. Medium pressure steel boiler



VAPOPRES LVP

Heat output from 136kW to 2086kW. Low pressure steam boiler

Other industrial boilers



DIATHERMIC OIL HEATERS

Helicoidal and box-type versions



BIOMASS BOILERS

- Hot water up to 95°C
- Superheated water up to 185°C
- Steam with maximum pressure 25 bar



BIOMASS BOILERS

- Carrier fluid diathermic oil

OTHER INDUSTRIAL PRODUCTS

Hot water generators



EVOPLATE

Compact, highly efficient packaged water heating system capable of supplying 600 – 9000 litres per hour of continuous hot water at 60°C

Plate heat exchangers



HEAT EXCHANGERS

Ferrolli offers a comprehensive range of plate heat exchangers including gasketed, brazed and fully packaged units

Pressurisation units

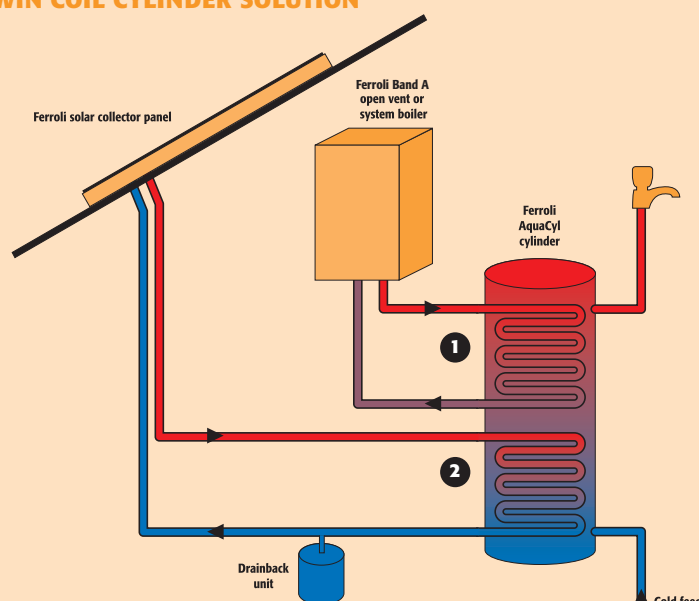
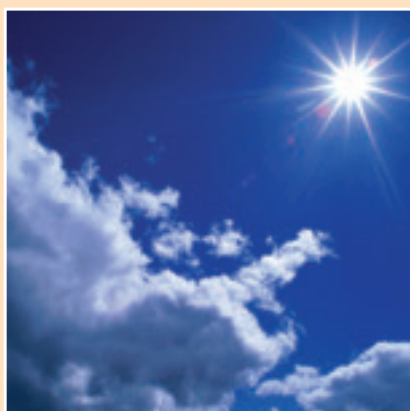


PRESSURISATION UNITS

Multi-stage centrifugal compact horizontal pumps that provide cold fill pressure up to 2.5 bar and 4.3 bar

SOLAR HEATING

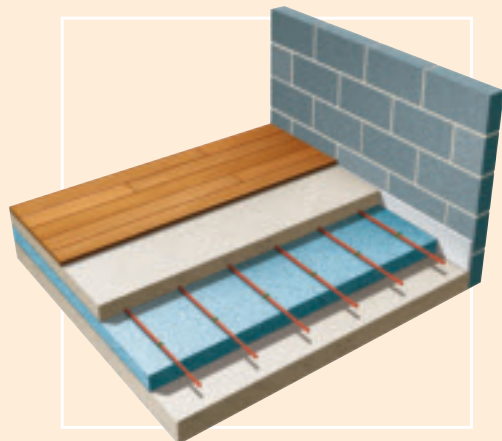
TWIN COIL CYLINDER SOLUTION



- ❶ Solar energy heats water in the Ferroli AquaCyl cylinder by the lower heating coil. A drainback unit is installed so that the solar collector will be emptied automatically at times of frost or solar overheating
- ❷ Should the hot water in the Ferroli AquaCyl cylinder require additional heat the system boiler will boost the temperature by heating the upper heating coil

- Aquacyl - the twin coil cylinder solar solution for larger homes or commercial applications.
- Boasting a range of portrait and landscape in roof solar collector panels available with 94% absorption efficiency.
- 10 year guarantee as standard on collectors.
- Fully stainless steel twin coil cylinders available in six sizes – 150, 200, 250, 300, 510 and 1000 litres.
- 25 year cylinder guarantee.
- System management accessories also available.
- Fully compatible with Econcept 35A and 50A Commercial Boilers.
- Complete system solutions available in kits.
- Formal BPEC qualification and solar familiarisation courses also available

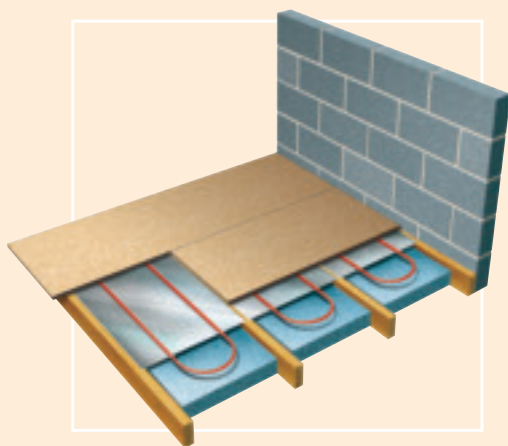
SOLID FLOOR SYSTEM



These systems cover all types of application where the heating pipes are embedded in either the structural concrete or screeded concrete overlay. The actual construction selected will depend on a number of factors which will be taken into account by our design engineers.

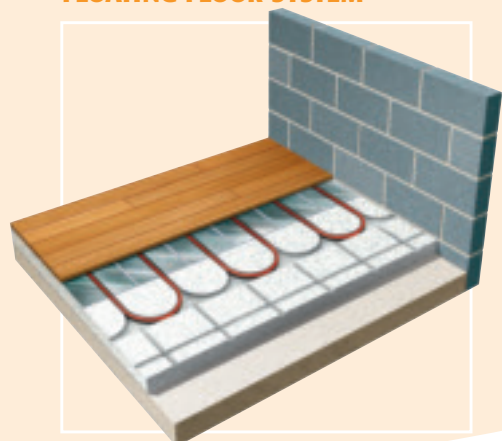
Once the PEX or PB warm water pipe is fixed by clips, concrete screed is poured generally to a minimum of 30mm thickness above the pipe. Ferroli can take responsibility for screeding as well as pipe installation.

SUSPENDED FLOOR SYSTEM



Underfloor heating can be successfully used with suspended floors as long as they are of a suitable type. Ferroli systems are available for conventional joisted floors as well as for batten systems mounted on solid floors. If this type of heating is to be used it should be considered early in the planning stage so that an appropriate construction can be used.

FLOATING FLOOR SYSTEM



Floating floors are popular because they reduce the overall loading within the building and have good acoustic properties. Underfloor heating systems for floating floors are based around insulation panels that are pre-grooved at 200mm centres to accept the heating pipes. The grooves are designed so that an aluminium heat diffuser plate can be installed on top of the pipe to transfer the heat upwards into the room.



Ferroli Limited

Ferroli began producing heating appliances and equipment in Italy during the 1950s. Today, the company is still family-owned but now operates ten ultra-modern factories in Europe, employing over 2,500 people and producing a wide range of wall hung, cast iron and welded steel boilers, making Ferroli one of the largest and most successful heating appliance manufacturers in the world.



Ferroli Commercial and Industrial Boilers

The commercial and industrial boiler range covers steel and cast iron designs, atmospheric and pressure jet units, and oil, gas or biomass models. Outputs range from 50kW to 14,000kW. Other products include heat exchangers and pressurisation units. Ferroli's UK warehouse, backed by its huge manufacturing facility in Italy, offers delivery ex-stock for most smaller boiler models and for all frequently used parts. It also assembles sectional boilers in the UK to suit particular requirements.



Ferroli Domestic Boilers

Offering gas wall mounted units with outputs from 5kW to 50kW, Ferroli'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.



Ferroli Service

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



Ferroli Spares

The rapidly growing popularity of Ferroli as first choice for both domestic and commercial installations means that heating parts stockists offer readily available spares for Ferroli 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 Ferroli boiler running at optimum efficiency.



Ferroli Training

Ferroli 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 Ferroli'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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Mixed Sources

Product group from well-managed forests, and other controlled sources
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