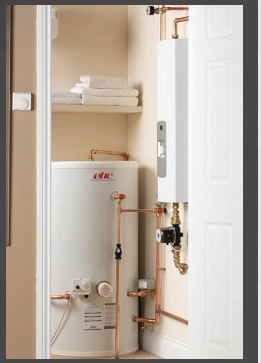

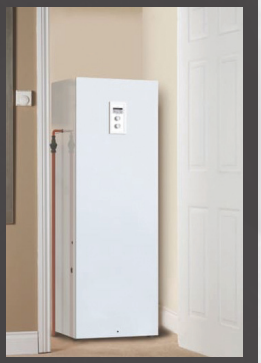

No.1 Choice Electric Boiler Collection

ehc

the electric heating company

CELEBRATING 15 years ANNIVERSARY

Leaders in the electric heating and hot water industry

Innovative heating and hot water specialists, The Electric Heating Company, have developed their product portfolio to accommodate almost any Central Heating and Hot Water requirement.

From the comprehensive Comet Electric System Boiler to the space saving SlimJim Electric Flow Boiler our product knowledge and Technical assistance is unrivalled in the Heating and Hot Water industry. Our products have been designed with both the installer and homeowner in mind and as such all the controls used with our products are contemporary and user friendly.

We can supply a choice of Boiler Packs and our Electric Combination Boiler for a complete Heating & Hot Water installation. The Electric Boiler, Cylinder and Controls are all included within our exclusive packages. EHC are renowned for always putting the customer first and have won National Customer Service Awards in recognition of our efforts.

When Installing an Electric Boiler

- Electric Boilers are 100% efficient therefore there is no requirement to oversize the appliance
- If an efficient Direct Cylinder is present within the property install the Boiler for Heating only
- Heat Loss calculations should be made in accordance with the latest regulations
- Most 1, 2 & 3 bedroom properties are generally suitable for an Electric Boiler
- Properties with a high hot water demand are better suited to an Indirect Cylinder with an 'S' Plan configuration
- When installing an Electric Boiler always ensure that the incoming electrical supply is sufficient for the Boiler Output
- To accommodate "Off-Peak" electricity tariffs it is recommended that a Programmer with a facility for 3 On/Off periods is installed
- Electric Boilers are suitable for both Volt Free, Hard Wired and Wireless Thermostats and Controls
- If the property has an electric shower it is advisable that a Shower Flow Sensor or Relay Interrupt is installed to prevent the Electric Boiler and Electric Shower operating at the same time
- Electric Boilers require no mandatory annual maintenance
- Electric Boilers have no flue requirements
- EHC offer 3-Phase Electric Boilers that are suitable for light commercial purposes such as; offices, factory units, pubs, etc.

The Electric Boiler Specialists

- Installation is quicker than a gas system
- The wiring of an Electric Boiler is the same as an Electric Shower
- Electric Boilers can be used for Open Vented Systems
- Can be used as back-up for Heat Pumps
- Standard radiators and valves can be used with Electric Boilers
- EHC Electric Boilers have a soft start to avoid power surges
- Electric Boilers are almost silent when operating
- Electric Boilers emit no noxious fumes or gases
- Can be used with underfloor heating systems
- EHC only use and recommend High Efficiency ErP Smart Pumps

Fusion Comet Electric Boiler

Comet Electric System Boilers are designed to eliminate unnecessary external plumbing and pipe work.

They are the ideal choice for wet central heating and underfloor heating systems. It has been engineered to include the pump, auto-air vent, expansion vessel, auto-bypass and expansion vessel within the compact casing. For added safety the Boiler also incorporates a High Temperature Thermal cut-out for added protection.

Our single phase Boiler outputs are 6kW, 9kW, I2kW with the I4.4kW available for properties that require larger outputs.

To ensure maximum efficiency, all Comet Boilers incorporate six stage heating using a stainless steel heat exchanger. This unique facility will modulate the Boiler to reduce electricity consumption and running costs.

The easy-to-use control panel provides operating temperatures for flow and return, system flow rate and kW output information and enables the installer to utilise the inbuilt self-diagnostic feature during installation or routine maintenance.

The operating temperature of the Boiler can be adjusted from 20 degrees through to a maximum 85 degrees.

In light commercial properties with a 3-Phase electricity supply, we supply 23kW and 39kW output Boilers. For multiple Boiler installations it is also possible to install them in series to suit non domestic situations (see page 20).

Boiler Features

- Outputs from 6kW to 14.4kW
- Integral sealed system kit
- Virtually silent in operation
- Suitable for central heating only or central heating & hot water
- Can be used for underfloor heating
- No Mandatory Maintenance required
- 100% efficient
- Stainless Steel Heat Exchanger
- 2 years Parts & Labour Guarantee
- Removable bottom tray

Electronic Features

- Volt-free Control Connections
- 6 Stage Heating
- Integral System Diagnostics
- Easy-Fit Connectors & Sensors
- In-Built Fault Finding Diagnostics
- High Temperature Thermal Cut-Out
- Vortex Flow Temperature Sensor
- Digital Pressure Gauge

Accessories

Code	Description
EC10001	Single Channel Programmer
EC10002	Twin Channel Programmer
EC10012	Room Thermostat
EC10011	'S' Plan Twin Channel Heat Pack
E10SS/7	Supreme Saver Hot Water Programmer
ESFS15/C	Shower Flow Sensor

Boiler Range	kW	6kW	9kW	12kW	14.4kW
Pipe entry from Boilers		Bottom Entry			
Flow & Return Pipes	mm	22			
Min/Max Water Pressure	Bar	0.5/3.0			
Expansion Vessel	Ltrs	6.0			
Dry Weight	Kgs	25			
Electricity Supply	VAC	240V 1ph 50Hz			
Load/Current	Amp	25	38	50	60
Heating output	Btu	20472	30709	40945	49134
Min/Max Temp Settings	°C	20/85			
Overheat Protection	°C	100			
Pump included		Yes			
Recommended Pump Settings		Factory Set to Max (adjustable)			
Recommended Diameter of Mains Cable	mm	6	10	16	16
Protection	Amp	32	50	63	80
ErP Rating		D	D	D	D

High Quality

100% **Energy** Efficient

Great Performance

Virtually Silent

Best Price

Fusion Comet Electric Boiler

Direct Cylinder Packages

The Fusion Comet Electric Boiler is a sleek modern fully controllable system Boiler

- Outputs from 9kW to 14.4kW
- Integral sealed system kit
- Virtually silent in operation
- Boiler provides central heating only and domestic hot water is provided by the direct unvented cylinder
- Can be used for underfloor heating
- 100% efficient
- Stainless Steel Heat Exchanger
- Parts & Labour Guarantee
- No flue required
- No fumes and no risk of explosion

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Our one stop shop service enables us to provide Comet Electric Boiler and Cylinder packages with associated controls. This service ensures that all your heating and hot water appliances carry the EHC Brand and simplifies your future warranty support

Code	Description	Number of Bedrooms
EHCCOM9/150	COMET 9KW/150L ELECTRIC BOILER c/w DIRECT CYLINDER	1 or 2
EHCCOM9/180	COMET 9KW/180L ELECTRIC BOILER c/w DIRECT CYLINDER	2
EHCCOM12/150	COMET 12KW/150L ELECTRIC BOILER c/w DIRECT CYLINDER	3
EHCCOM12/180	COMET 12KW/180L ELECTRIC BOILER c/w DIRECT CYLINDER	3
EHCCOM12/210	COMET 12KW/210L ELECTRIC BOILER c/w DIRECT CYLINDER	3 or 4
EHCCOM15/150	COMET 14.4KW/150L ELECTRIC BOILER c/w DIRECT CYLINDER	3
EHCCOM15/180	COMET 14.4KW/180L ELECTRIC BOILER c/w DIRECT CYLINDER	3
EHCCOM15/210	COMET 14.4KW/210L ELECTRIC BOILER c/w DIRECT CYLINDER	3 or 4

What's Included

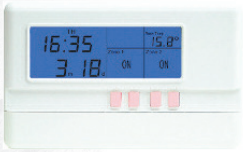
- Choice of Comet Boiler — 2 Year Warranty
- Choice of Direct Unvented Stainless Steel Cylinder — 25 Year Warranty
- Single Channel Programmer — 2 Year Warranty
- Room Thermostat — 2 Year Warranty
- Supreme Saver Hot Water Programmer — 2 Year Warranty

Accessories & Controls

EC10001 - Single Channel Programmer

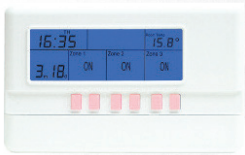
- Selection of Modes -
- 24 Hours, 5/2 Day & 7 Day
- 2 or 3 ON/OFF Selector
- Preset program settings
- Standard Back Plate
- Suitable for Wired Installations or used in conjunction with EC10015 RF Thermostat.

EC10002 - Twin Channel Programmer



- Selection of Modes -
- 24 Hours, 5/2 Day & 7 Day
- 2 or 3 ON/OFF Selector
- Preset program settings
- Standard Back Plate
- Suitable for Wired Installations or used in conjunction with EC10015 RF Thermostat.

EC10003 - Three Channel Programmer



- Selection of Modes - 24 Hours, 5/2 Day & 7 Day
- 2 or 3 ON/OFF Selector
- Preset Program Settings
- Standard Back Plate
- Suitable for Wired Installations or used in conjunction with EC10015 RF Thermostat.

EC10012 - Room Thermostat

- Hard Wired
- Diaphragm Temperature Sensor
- Ideal for Surface or Pattress Box mounting
- 10°C- 30°C Set Point

EC10015 - EHC Wireless Room Thermostat

- Wireless Communication
- 230V or Volt Free Switching capability
- Ideal for Surface Mounting or Free Standing
- 5°C - 35°C Set Point
- Simple Control Dial with sizeable Digital Screen
- Quick easy installation

EC10011 - Twin Channel Heatpack

- Twin Channel Heatpack
- Room Thermostat
- Cylinder Thermostat
- Wiring Centre
- 2 x 2 Port Zone Valves

EC10006 - Grundfox UPM3 or Wilo Pump

- High Efficiency ErP Compliant.
- Speed-controlled, high-efficiency Pump fitted with electronically commutated motor (ECM)
- Uses 85% less Electricity compared to standard Pumps

EC10007 - Pump Value

- 22mm Compression lockshield Valve
- Supplied with Pump Washer

EC10005 - Auto Air Vent

- 15mm Compression
- Suitable for Vented & Sealed Systems

M0235 - Magnetic Filter

- In-line Filter with Strainer and Magnetic stack
- 3/4" BSP connections

ESFS15C - Shower Flow Sensor

- 15mm Compression Fittings
- Auto Shutdown of the Boiler when the Shower is running
- Normally open & normally closed connections supplied

Stainless Steel Cylinders

Direct Unvented

25 Year Warranty

The following fittings are supplied with our Direct Cylinders:

- Inlet Control Set
- Temperature & Pressure Relief Valve
- 15mm / 22mm Tundish
- Expansion Vessel c/w Wall Mounting Bracket
- 2 x 3kW Immersion Heaters
- Installation & Maintenance Instructions
- Benchmark Logbook

Model No.	CAPACITY (Litres)	HEIGHT (mm)	DIAMETER (mm)	WEIGHT (Kg-EMPTY)	WEIGHT (Kg-FULL)	RATING
NDIR125L	120	933	550	25	149	B
NDIR150L	150	1120	550	30	185	C
NDIR180L	180	1308	550	33	218	C
NDIR210L	210	1496	550	37	253	C
NDIR250L	250	1746	550	40	296	C

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Stainless Steel Cylinders

Indirect Unvented

25 Year Warranty

The following fittings are supplied with our Indirect Cylinders:

- Inlet Control Set
- Temperature & Pressure Relief Valve
- 15mm / 22mm Tundish
- Expansion Vessel c/w Wall Mounting Bracket
- 1 x 3kW Immersion Heater - On Cylinders 210L & Smaller
- 2 x 3kW Immersion Heaters - On Cylinders 250L & Greater
- Two Port Zone Valve
- Dual Thermostat
- Installation & Maintenance Instructions
- Benchmark Logbook

Model No.	CAPACITY (Litres)	HEIGHT (mm)	DIAMETER (mm)	WEIGHT (Kg-EMPTY)	WEIGHT (Kg-FULL)	RATING
NIND125L	120	933	550	25	149	B
NIND150L	150	1120	550	30	185	C
NIND180L	180	1308	550	33	218	C
NIND210L	210	1496	550	37	253	C
NIND250L	250	1746	550	40	296	C

Note: Slimline Direct & Indirect models available (478mm in Diameter)

the electric heating company

The Electric Heating Company delivers premier heating products across the UK

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Email: info@electric-heatingcompany.co.uk

www.electric-heatingcompany.co.uk

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WATER REGULATIONS ADVISORY SCHEME

Disclaimer - All figures quoted and images used are correct at the time of printing and maybe subject to change