

GAS BOILERS
STORAGE WATER HEATERS
**WALL-HUNG SYSTEM &
UNVENTED CYLINDERS**



**Minima HE System &
Hydraflo Plus**
Compact High Efficiency
System Boilers
24 & 30kW outputs &
Indirect Unvented
Cylinders 150 & 200l



C&M
CHAFFOTEAUX & MAURY



Minima HE System comfort and efficiency

Heating and hot water from a world leader



Chaffoteaux & Maury brings to the gas fired heating market over 75 years of experience. In fact it was C&M who invented the first gas fired water heater back in 1925. 1955 saw the launch of the first wall-mounted domestic boiler from C&M. Production of C&M boilers takes place using impressive modern production facilities using one of the most stringent quality control concepts practiced in manufacturing today. This coupled with excellent technical support and after sales service makes C&M the best choice for gas central heating boilers.

Chaffoteaux & Maury Minima HE System



The characteristics of larger boilers without compromises

Minima HE System is an exciting new range of SEDBUK Band A high efficiency condensing system boilers from C&M. The modern adage "less is more" can aptly be applied to this new stylish and lightweight appliance. The first thing that will strike anyone when taking their first glance at the boiler are the compact dimensions: starting at 720x390x295 it is one of the smallest high efficiency boilers on the market. Just because it's small it doesn't mean that any features or benefits have been compromised. In fact on the contrary, among its design characteristics are easy-to-install features such as minimal side clearances for ease of installation (install between cupboards etc.) and multiple flue options. Servicing is just as simple as the boiler has been designed with the professional in mind this means that all components are accessible even for the largest hands!



**C&M works
to Benchmark standards**

C&M offers: product quality & service excellence

Quality products born from extensive experience

Great new technical innovations exclusive to Minima HE System

The Minima HE System is a new boiler series from C&M. Yet it builds upon the wealth of experience developed since 1914 when the Chaffoteaux brothers started their foundry in the Brittany port of Saint-Brieuc. Specialisation in the production of boilers, geysers and storage water heaters started in 1929 when the Maury company was purchased. By 1946 C&M were the French market leaders and in 1970 became the first continental European boiler manufacturer to enter the UK market with the revolutionary new concept; the combination boiler.

C&M have surpassed anticipations by reducing boiler dimensions whilst still ensuring high performance. More new features also include a multifunctional LCD display, built-in diagnostics and an easy-to-check condensate trap. Minima HE System is a boiler that meets and exceeds expectations, disappointing neither the professional nor the user.



Excellent service

Comprehensive training across the entire C&M range is available covering all theoretical and practical aspects. Designed for domestic heating installers, merchants and independent gas-heating service organisations; courses are offered at 3 fully equipped training centres in the UK. All three centres also offer theoretical and practical training leading to an Institute of Domestic Heating and Environmental Engineers Energy Efficiency Certificate and a G3 qualification in Unvented Domestic Hot Water Storage Systems. In addition permanent training facilities are available at a number of technical colleges nationwide.

Our Technical Advice line manned by experienced industry professionals, offers the best advice; not only before installation, but during and even long after.

Our team of Area Technical Managers are able to assist at a local level with intimate, expert knowledge of the C&M product range be it regarding training, installation advice or general trouble shooting.

The Customer Service team are just a telephone call away answering all user enquiries and offering advice on boiler operation. They also ensure that in the unlikely requirement of an aftersale visit, it is dealt with efficiently and promptly, with the minimum amount of disruption for all.



Energy Efficiency Recommended is an Energy Saving Trust initiative backed by the government. The logo is only found on products that have been carefully selected for their energy efficiency. Buy where you see the sign and help save energy, money and the environment.



Minima HE System

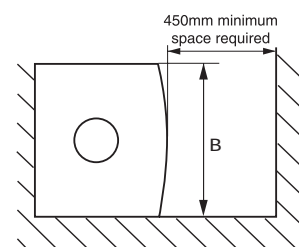
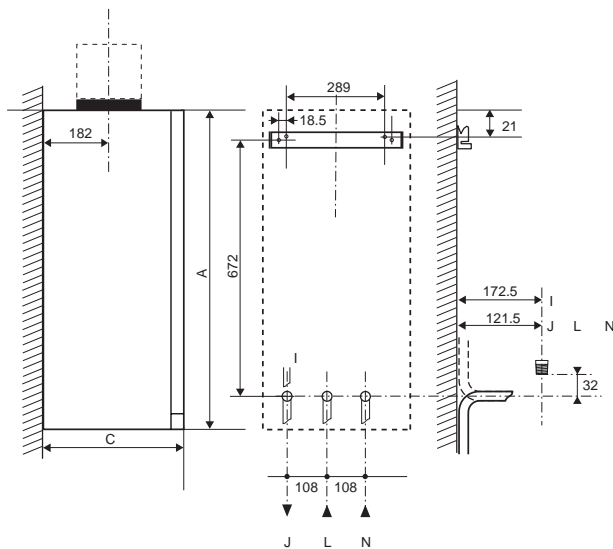
Wall-hung condensing system boilers



- Energy Efficient – SEDBUK Band A rated.
- Modern design and compact dimensions.
- Available in 2 outputs:
24 kW – 82,000 Btu/h
30 kW – 102,000 Btu/h
- Stainless steel primary heat exchanger.
- Premix burner with modulating gas valve and fan.
- Built-in auto-diagnostics and multifunctional LCD display.
- P.C.B. with microprocessor.
- Built-in anti-frost device.
- Built-in anti-scale device.
- Built-in anti-seizing device for the pump.
- Tamper proof quick release latches - easy disassembly.
- Simple installation.
- Easily installed between kitchen cabinets.
- All components accessible from the front of the appliance.
- 2 year guarantee
- Guarantee extendable year-on-year.

Legend

I	Safety valve	L	Gas supply
J	Heating flow	N	Heating return



This product has an energy rating of A on a scale of A-G for more information see www.SEDBUK.com

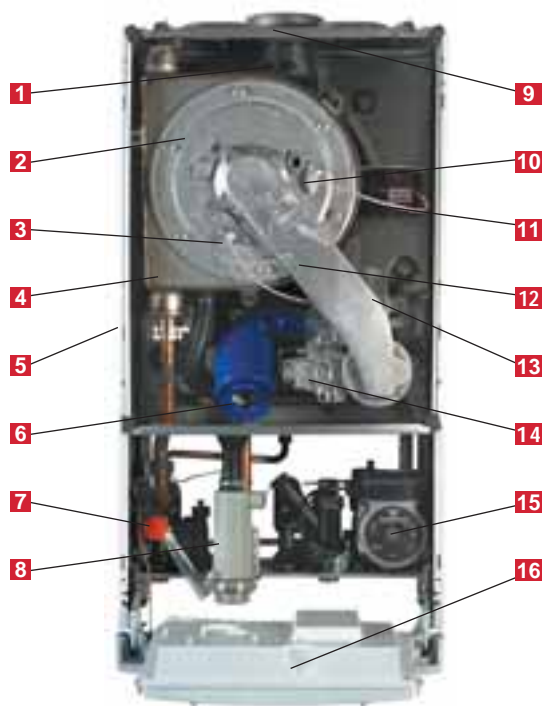
Dimensions in mm	A	B	C
Minima HE System 24	720	390	295
Minima HE System 30	720	390	360



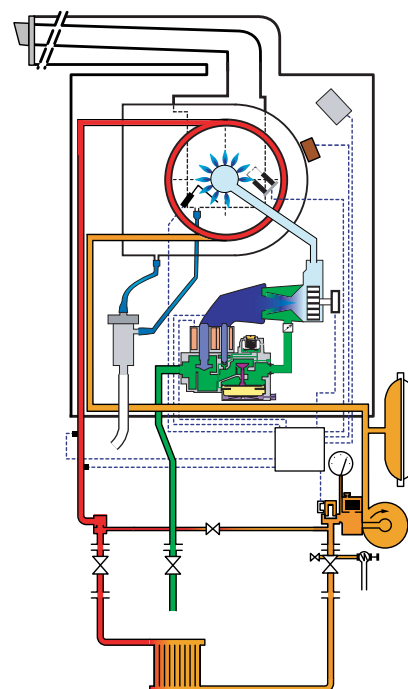
IPX4D

Minima HE System - Technical Specification

Model		Minima HE System 24	Minima HE System 30
Heat Output C.H. min/max (30/50°C)	kW	7.0 / 26.0	9.0 / 32.0
Heat Output C.H. min/max (30/50°C)	Btu/h	23,900 / 88,700	30,700 / 109,000
Heat Output C.H. min/max (60/80°C)	kW	7.0 / 24.0	9.0 / 29.0
Heat Output C.H. min/max (60/80°C)	Btu/h	23,900 / 81,900	30,700 / 98,900
SEDBUK Rating	Band	A	A
SAP Efficiency	%	90.1	90.3
NOx Class		5	5
C.H. Minimum Temperature	°C	25	25
C.H. Maximum Temperature	°C	85	85
Built-in Expansion Vessel Capacity	l	6	7
Built-in Expansion Vessel Pre-charged Pressure	bar	0.7	0.7
Maximum Heating Pressure	bar	3	3
Electrical Supply	V/Hz	230/50	230/50
Power Consumption	W	150	150
Protection Grade of Electrical System	IP	X4D	X4D
External Controls	V	24	24
Lift Weight	kg	31.4	34.0
G.C. Number		41-980-33	41-980-34



Functional Diagram



Legend

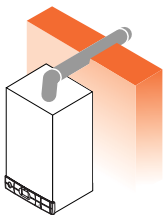
1 Flue box	9 Flue gas analysis point
2 Burner cover	10 Ignition electrodes
3 Ionisation probe	11 Spark generator
4 Stainless steel heat exchanger	12 Air gas mixer connection
5 Steel chassis complete with expansion vessel	13 Fan
6 Silencer	14 Gas valve
7 Pressure relief valve	15 Pump
8 Condensate trap	16 Control panel

Flue Pipe Accessories

For any situation - making installation easier

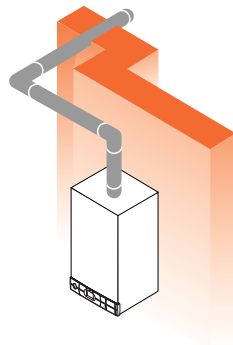
60/100 Coaxial system up to 5 m horizontal and vertical
 80/125 Coaxial system up to 10 m horizontal and vertical
 Twin pipe system up to 30 m

STANDARD HORIZONTAL



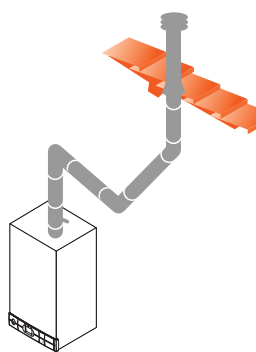
Horizontal 60/100 mm diameter.

RAISED HORIZONTAL



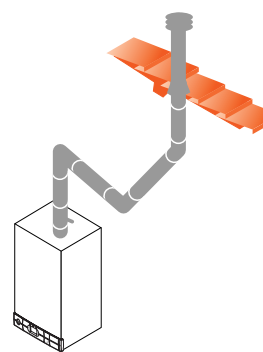
Raised Horizontal 60/100 mm diameter vertical exit from appliance.

VERTICAL



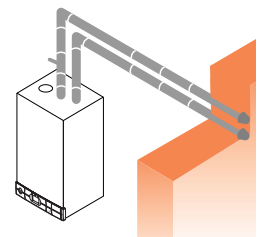
Vertical Coaxial 60/100 mm diameter.

VERTICAL



Vertical Coaxial 80/125 mm diameter.

TWIN PIPE (BIFLUX)



Twin Pipe / Biflux 80/80 mm diameter.

Coaxial Flue Accessories (60/100)

Code	Description
3318073	Horizontal coaxial kit - 1000mm
3318074	Horizontal coaxial kit + vertical starter
3318075	90° coaxial elbow
3318076	45° coaxial elbow (pack of 2)
3318077	Coaxial extension - 1000mm
3318078	Coaxial extension - 500mm
3318079	Vertical starter
3318080	Vertical flue with black terminal
3318081	Vertical flue with red terminal

Twin Pipe / Biflux Flue Accessories

Code	Description
3318082	Adaptor (Ø 60/80)
3318083	Horizontal twin pipe systems
3318084	90° MF elbow (Ø 80)
3318085	45° MF elbow (Ø80) (pack of 2)
3318086	Extension (Ø 80) - 1000mm
3318087	Extension (Ø 80) - 500mm
3318088	Adaptor 80/125 - 80
3318089	Adaptor 80/125 - 80+80

Coaxial Flue Accessories (80/125)

Code	Description
3318090	Horizontal coaxial kit + adaptor 80/125
3318091	90° Coaxial elbow 80/125
3318092	45° Coaxial elbow 80/125
3318093	Coaxial extension 80/125 - 1000mm
3318094	Coaxial extension 80/125 - 500mm
3318095	Adaptor 60/100-80/125

Sundry Items

Code	Description
3318009	Black lead flashing base cap
3318010	Red lead flashing base cap
3318011	Black vent cap base for flat roof
3318012	Red vent cap base for flat roof
3318015	Wall bracket kit (Ø 80 - Ø 125)



Hydraflo Plus

Floor standing indirect unvented cylinders 150 and 200 litres

- Reheat times quickest in class.
- Quality stainless steel tank, 12 bar pressure tested.
- Environmentally sound and highly efficient polyurethane thermal insulation.
- Compact design - slimmest available on the market.
- All plumbing and electrical connections within a 90° angle.
- Heating element supplied with regulation thermostat and dual pole thermal cut-out.
- Cylinder thermostat with external regulation.
- Thermostats adjustable to 70°C.
- Unique coil design allows full quantity of water to be heated.
- Factory fitted 1/2" T&P relief valve.
- Unvented control kit supplied with cylinder at no additional cost.
- Simple installation.
- 25 year tank guarantee (2 year guarantee on electrical components).





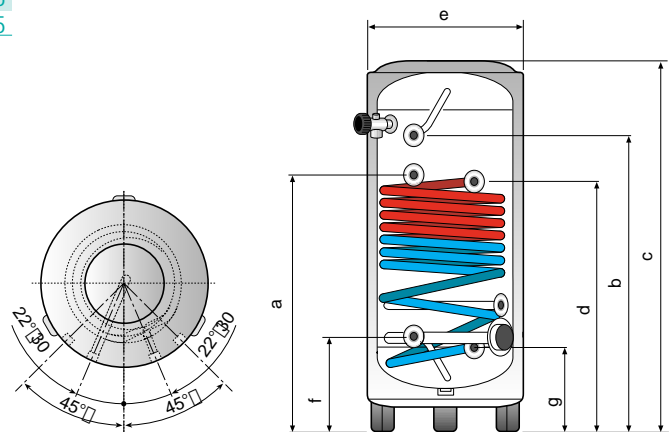
Technical Specification

Model		ITI 150	ITI 210
Capacity	litres	150	200
Indirect coil rating	kW	26.7	26.7
Coil surface area	m ²	0.90	0.90
Indirect reheat time* (ΔT= 50°C)	minutes	22	26
Voltage	V	240	240
Power	kW	3	3
Immersion heater reheat time (ΔT= 50°C)	minutes	175	240
Maximum temperature	°C	70	70
Heat loss (kWh in 24 h) 60°C		2.20	2.40

*Primary circuit 80°C, m³/h circulation

Dimensions in mm	A	B	C	D	E	F	G
ITI 150	790	915	1155	765	505	265	225
ITI 210	940	1230	1475	765	505	265	225

Typical Application	Capacity
	150 litres
	200 litres



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In the interests of our customers, MTS (GB) Limited is continually developing these products to improve both performance and design. We therefore reserve the right to change specification without prior notice. This brochure is accurate at the date of printing. Consumer statutory rights are not affected.



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