

GAS BOILERS
E-COMBI *evo*
E-SYSTEM *evo*
CLAS HE *evo*
CLAS HE *system evo*
CLAS HE R

WALL-HUNG HIGH EFFICIENCY
GAS BOILERS



Ariston

a tradition that evolves



For many years, we have entered the homes of millions of families who choose Ariston to improve and simplify their everyday lives, always with the highest quality and performance in mind.

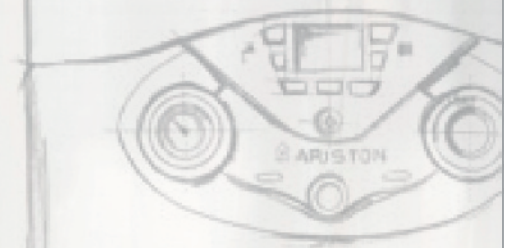
Thanks to this interaction, Ariston has grown to become the world's largest manufacturer of water heaters and the 3rd largest manufacturer of heating products in Europe.

**Values
guide our
future**

The shape of perfection inspires our Italian design



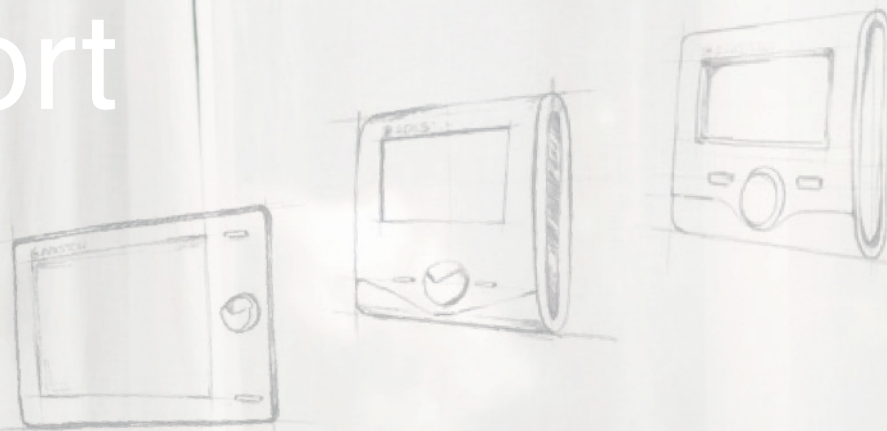
modern



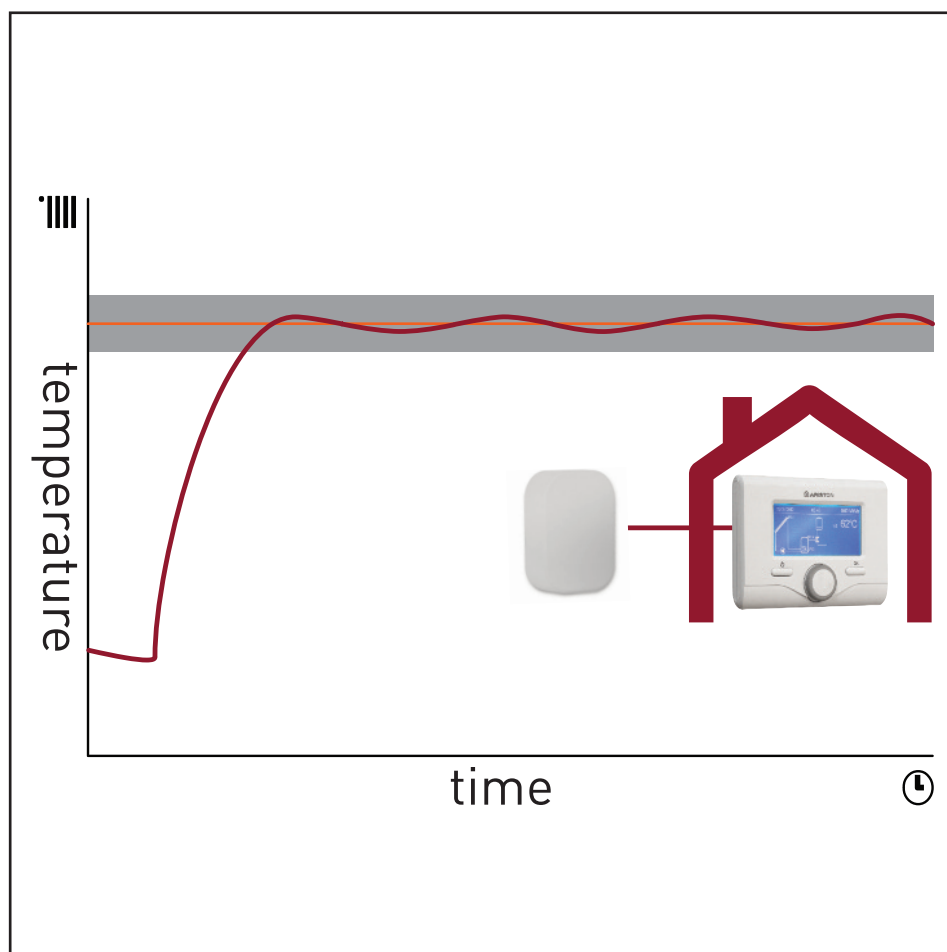
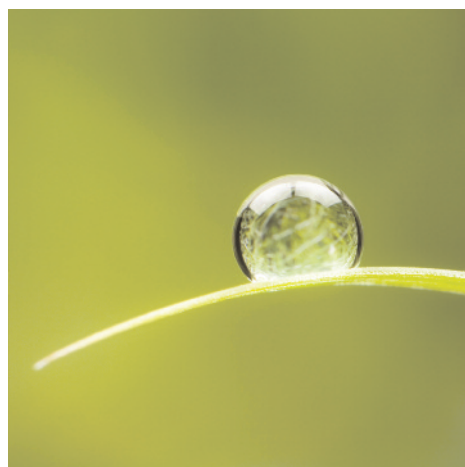
At Ariston, we continue to evolve and improve the efficiency of our product offering, all the while maintaining the Italian designer feel and ease of interaction.

With the latest offering from Ariston, managing the comfort of your home is finally easy, intuitive and efficient.

comfort



The new generation of temperature management



Intelligent controls

The advanced **AUTO** function ensures intelligent management of the room temperature whilst guaranteeing maximum energy efficiency and offering energy savings.

By pressing the **AUTO** button on the control panel, the boiler will automatically choose the ideal output for the central heating circuit by gradually increasing the power of the boiler until the room reaches the set temperature, whilst guaranteeing no excessive peaks.

When used in conjunction with the extensive range of controls, the **AUTO** function ensures greater levels of comfort and savings are achieved.

With the **AUTO** function activated and by fitting an outdoor sensor, with one of the modulating controls, **savings in excess of 6%** can be achieved over a standard condensing boiler without similar controls.

Simple control, easy installation

Simple controls

There is an extensive selection of easy to use controls available for all Ariston boilers. The controls are available as both wired and wireless (allowing installation without the need for a qualified electrician).

These, in conjunction with the AUTO function, will enable the boiler to work at its most efficient to achieve the desired room temperature.

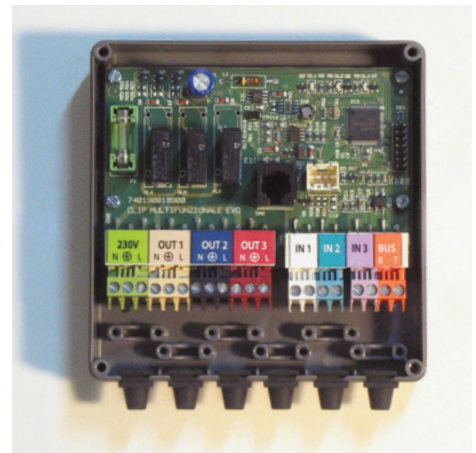


Sensys System Interface

Multi-Zone Systems

With the range of gas boilers and temperature controls available, Ariston make it easy to manage up to three temperature zones independently.

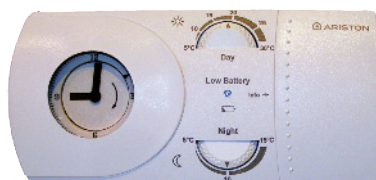
For example, should the heating system consist of an underfloor installation (low temperature) and a traditional radiator-type installation (high temperature) it is possible to control the zones independently with a SENSYS Interface and room sensors through the multi-zone interface.



Modulating Room Sensor



RF Programmable Room Stat



Room Thermostat



Outdoor Sensor





WALL HUNG HIGH EFFICIENCY GAS COMBINATION BOILERS

- LOW NO_x
- AVAILABLE IN THREE OUTPUTS
- STAINLESS STEEL HEAT EXCHANGER
- HIGH HOT WATER FLOW RATES
- RANGE OF WIRED AND WIRELESS CONTROLS
- BUILT-IN MECHANICAL TIME CLOCK
- UNIQUE 'AUTO' FUNCTION OPTIMISES EFFICIENCY OF BOILER AND SYSTEM
- BUILT-IN AUTOMATIC BY-PASS
- LPG CONVERSION KIT AS STANDARD
- AUTO-DIAGNOSTIC SYSTEM
- ANTI-FROST AND ANTI-SCALE DEVICE
- INCLUDES CONNECTION KIT AND FILLING LOOP
- 2 YEAR GUARANTEE (EXTENDABLE TO 5 YEARS WITH PURCHASE OF 3318461)



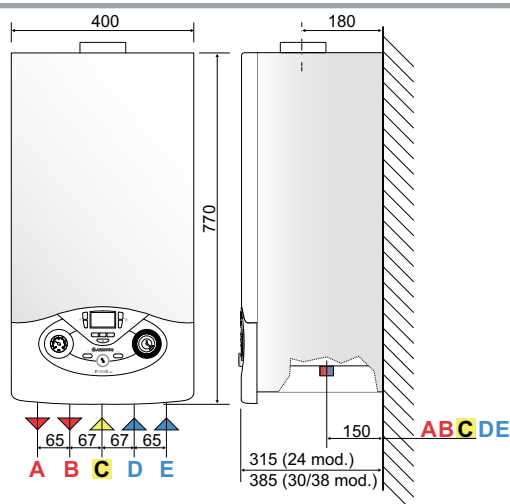
COMPACT DIMENSIONS



QUIET OPERATION



ENERGY EFFICIENT



LEGEND

- A: Central heating flow 22mm compression
- B: Domestic hot water outlet 15mm compression
- C: Gas inlet 15mm compression (24 & 30FF)
22mm compression (38FF)
- D: Domestic hot water inlet 15mm compression
- E: Central heating return 22mm compression





WALL HUNG HIGH EFFICIENCY GAS SYSTEM BOILERS

- LOW NO_x
- STAINLESS STEEL HEAT EXCHANGER
- AVAILABLE IN TWO OUTPUTS
- UNIQUE 'AUTO' FUNCTION OPTIMISES EFFICIENCY OF BOILER AND SYSTEM
- AUTO-DIAGNOSTIC SYSTEM
- SIMPLE MAINTENANCE WITH ACCESS FROM THE FRONT OF THE APPLIANCE
- ANTI-FROST DEVICE
- BUILT IN AUTOMATIC BY-PASS
- LPG CONVERSION KIT AS STANDARD
- RANGE OF WIRED AND WIRELESS CONTROLS
- 2 YEAR GUARANTEE (EXTENDABLE TO 5 YEARS WITH PURCHASE OF 3318461)



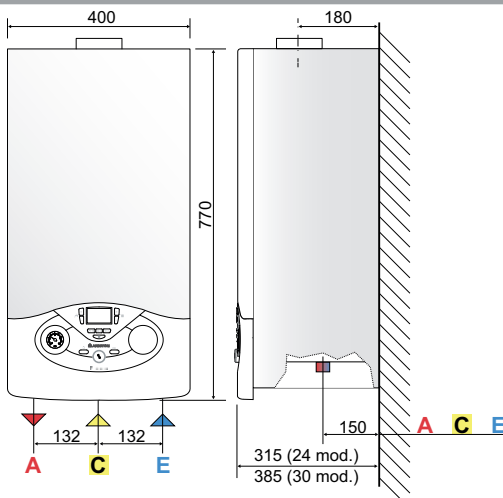
COMPACT DIMENSIONS



QUIET OPERATION



ENERGY EFFICIENT



LEGEND

- A: Central heating flow 22mm compression
- C: Gas inlet 15mm compression
- E: Central heating return 22mm compression





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- UNIQUE 'AUTO' FUNCTION OPTIMISES EFFICIENCY OF BOILER AND SYSTEM



COMPACT DIMENSIONS



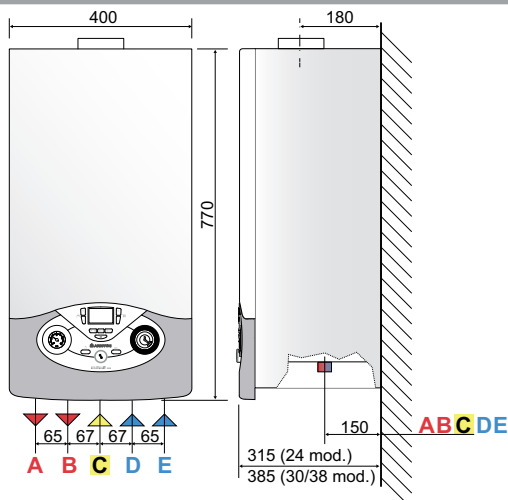
QUIET OPERATION



ENERGY EFFICIENT



AUTO FUNCTION



LEGEND

- A: Central heating flow 22mm compression
- B: Domestic hot water outlet 15mm compression
- C: Gas inlet 15mm compression (24 & 30FF)
22mm compression (38FF)
- D: Domestic hot water inlet 15mm compression
- E: Central heating return 22mm compression





WALL HUNG HIGH EFFICIENCY GAS SYSTEM BOILERS

- LOW NO_x
- AVAILABLE IN THREE OUTPUTS
- STAINLESS STEEL HEAT EXCHANGER
- FAMILIAR LCD DISPLAY
- SIMPLE MAINTENANCE WITH ACCESS FROM THE FRONT OF THE APPLIANCE
- UNIQUE 'AUTO' FUNCTION OPTIMISES EFFICIENCY OF BOILER AND SYSTEM
- ANTI-FROST DEVICE
- BUILT IN AUTOMATIC BY-PASS
- LPG CONVERSION KIT AS STANDARD
- AUTO-DIAGNOSTIC SYSTEM
- RANGE OF WIRED AND WIRELESS CONTROLS



COMPACT DIMENSIONS



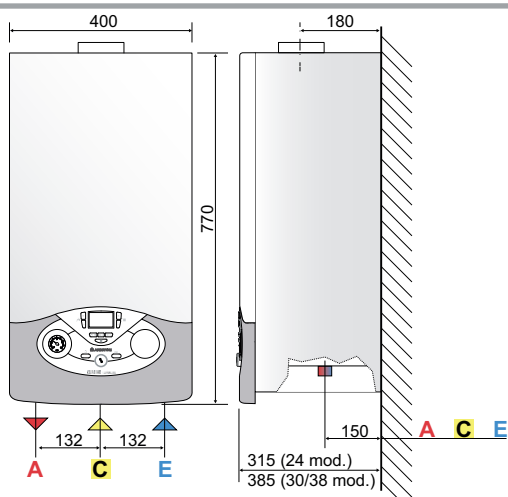
QUIET OPERATION



ENERGY EFFICIENT



AUTO FUNCTION



LEGEND

- A: Central heating flow 22mm compression
- C: Gas inlet 15mm compression
- E: Central heating return 22mm compression





WALL HUNG HIGH EFFICIENCY GAS REGULAR BOILERS

- LOW NOx
- AVAILABLE IN THREE OUTPUTS
- STAINLESS STEEL HEAT EXCHANGER
- AUTO-DIAGNOSTIC SYSTEM
- LPG CONVERSION KIT AVAILABLE ON REQUEST
- SIMPLE MAINTENANCE WITH ACCESS FROM THE FRONT OF THE APPLIANCE
- 240V SWITCHING
- ANTI-FROST DEVICE
- FAMILIAR LCD DISPLAY
- RANGE OF WIRED AND WIRELESS CONTROLS
- TWO ZONE TEMPERATURE MANAGEMENT ALLOWS OPTIMISATION & EASY UPGRADE OF STANDARD SYSTEMS



COMPACT DIMENSIONS



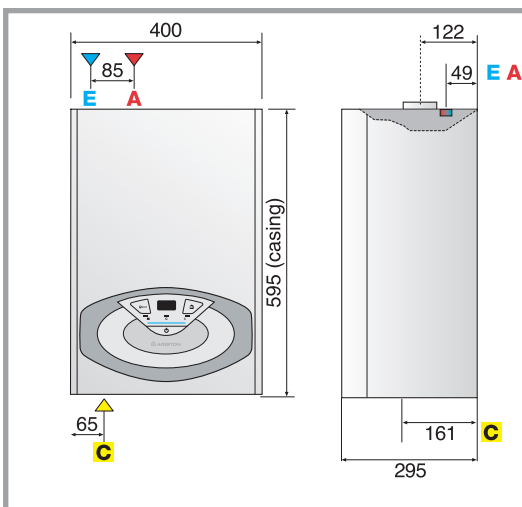
QUIET OPERATION



ENERGY EFFICIENT



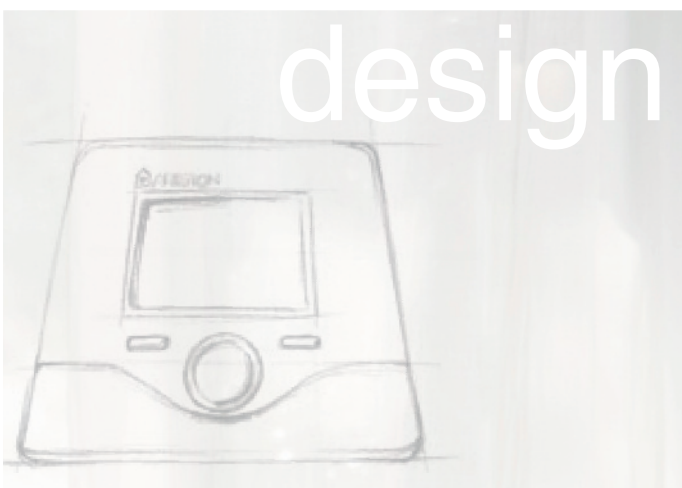
AUTO FUNCTION



LEGEND

- E: Central heating return 22mm compression
- A: Central heating flow 22mm compression
- C: Gas inlet 15mm compression





BOILER REMOTE CONTROL AND SYSTEM INTERFACE

- MODULATING ROOM SENSOR
- NIGHT SET BACK
- INTUITIVE & EASY TO READ THANKS TO BACKLIT DOT MATRIX DISPLAY
- TOTAL SYSTEM CONTROL
- 7 DAY PROGRAMMER
- COMPATIBLE WITH ALL 'EVO' BOILERS



Technical Data - COMBINATION BOILERS

		E-COMBI evo 24	E-COMBI evo 30	E-COMBI evo 38	CLAS HE evo 24	CLAS HE evo 30	CLAS HE evo 38
EFFICIENCY							
SEDBUK Rating	Band	A	A	A	A	A	A
SAP efficiency 2005 (seasonal)	%	90.0	90.1	90.1	90.0	90.1	90.1
SAP efficiency 2009 (annual)	%	88.7	88.7	88.7	88.7	88.7	88.7
POWER & PERFORMANCE							
D.H.W. flow rate $\Delta T = 35^{\circ}\text{C}$	l/min	10.3	12.9	15.6	10.3	12.9	15.6
Heat input max.	kW	28.9	33.3	42.2	27.8	33.3	42.2
Heat input min.	kW	6.1	7.2	8.3	6.1	7.2	8.3
Heat output max. (C.H.)	kW	21.0	27.0	30.0	21.0	27.0	30.0
Heat output max. (D.H.W.)	kW	26.0	29.3	38.0	26.0	29.3	38.0
Heat output min.	kW	5.4	6.3	7.3	5.4	6.3	7.3
Central heating temp. max.	$^{\circ}\text{C}$	82	82	82	82	82	82
Central heating temp. min.	$^{\circ}\text{C}$	35	35	35	35	35	35
D.H.W. temperature maximum	$^{\circ}\text{C}$	60	60	60	60	60	60
D.H.W. temperature minimum	$^{\circ}\text{C}$	36	36	36	36	36	36
CHARACTERISTICS							
Minimum ambient temperature	$^{\circ}\text{C}$	5	5	5	5	5	5
D.H.W. minimum flow rate	l/min	2.0	2.0	2.0	2.0	2.0	2.0
Domestic hot water pressure maximum	bar	7	7	7	7	7	7
Domestic hot water pressure minimum	bar	0.3	0.3	0.3	0.3	0.3	0.3
Built-in expansion vessel capacity	l	8	8	8	8	8	8
Built-in expansion vessel pre-charged pressure	bar	1	1	1	1	1	1
Maximum water content of system	l	100	100	100	100	100	100
Maximum heating pressure	bar	3	3	3	3	3	3
Servicing clearances - top/front/bottom	mm	300/450/300	300/450/300	300/450/300	300/450/300	300/450/300	300/450/300
Servicing clearances - left/right	mm	5/5	5/5	5/5	5/5	5/5	5/5
Zero compartment ventilation		Yes	Yes	Yes	Yes	Yes	Yes
Weight	kg	32	35	36	32	35	36
NOx	mg/kWh	28	39	32	28	39	32
ELECTRICAL DATA							
Electrical supply	V/Hz	230/50	230/50	230/50	230/50	230/50	230/50
Power consumption	W	110	113	116	110	113	116
Protection grade of electrical system	IP	X5D	X5D	X5D	X5D	X5D	X5D
Internal fuse rating		2A Fast Fuse	2A Fast Fuse	2A Fast Fuse	2A Fast Fuse	2A Fast Fuse	2A Fast Fuse

PRODUCT CODE

3300467

3300468

3300469

3300459

3300460

3300461

Accessories

	Code
WIRED ACCESSORIES	
On/Off Room Thermostat	3318594
Modulating Room Sensor	3318586
Outdoor Sensor	3318588
SENSYS System Interface	3318585
Multi-zone Interface	3318636
WIRELESS ACCESSORIES	
On/Off Programmable Room Thermostat	3318632
INSTALLATION ACCESSORIES	
Rear Piping Chassis	3678411
Metal Template	3318246

Technical Data - SYSTEM & REGULAR BOILERS

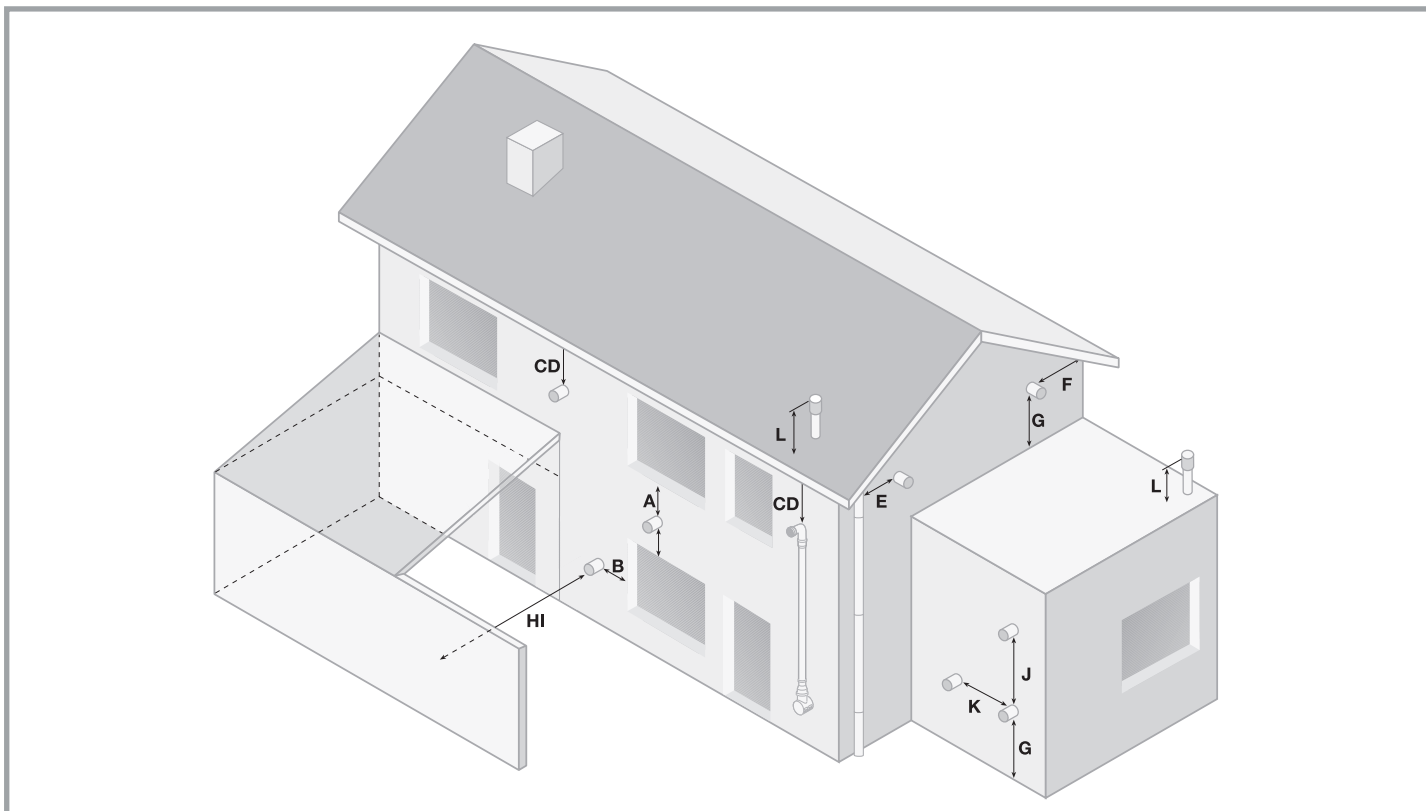
		E-SYSTEM evo 24	E-SYSTEM evo 30	CLAS HE system evo 18	CLAS HE system evo 24	CLAS HE system evo 30	CLAS HE R 24
EFFICIENCY							
SEDBUK Rating	Band	A	A	A	A	A	A
SAP efficiency 2005 (seasonal)	%	90.1	90.2	90.2	90.1	90.2	90.4
SAP efficiency 2009 (annual)	%	88.8	88.8	88.8	88.8	88.8	89.0
POWER & PERFORMANCE							
Heat input max.	kW	22.0	28.5	18.0	22.0	28.0	22.0
Heat input min.	kW	5.5	6.5	4.5	5.5	6.5	5.5
Heat output max.	kW	21.6	27.4	17.6	21.6	27.4	21.6
Heat output min.	kW	5.2	6.2	4.2	5.2	6.2	5.2
Central heating temp. max.	°C	82	82	82	82	82	82
Central heating temp. min.	°C	35	35	35	35	35	35
CHARACTERISTICS							
Minimum ambient temperature	°C	5	5	5	5	5	5
Built-in expansion vessel capacity	l	6.5	6.5	6.5	6.5	6.5	n/a
Built-in expansion vessel pre-charged	bar	1	1	1	1	1	n/a
Maximum water content of system	l	100	100	100	100	100	n/a
Maximum heating pressure	bar	3	3	3	3	3	n/a
Servicing clearances - top/front/bottom	mm	300/450/300	300/450/300	300/450/300	300/450/300	300/450/300	250/450/300
Servicing clearances - left/right	mm	5/5	5/5	5/5	5/5	5/5	5/5
Zero compartment ventilation		Yes	Yes	Yes	Yes	Yes	Yes
Weight	kg	32	35	32	32	35	28
NOx	mg/kWh	28	39	25	28	39	28
ELECTRICAL DATA							
Electrical supply	V/Hz	230/50	230/50	230/50	230/50	230/50	230/50
Power consumption	W	113	116	106	113	116	114
Protection grade of electrical system	IP	X5D	X5D	X5D	X5D	X5D	X5D
Internal fuse rating		2A Fast Fuse	2A Fast Fuse	2A Fast Fuse	2A Fast Fuse	2A Fast Fuse	2A Fast Fuse

PRODUCT CODE	3300470	3300471	3300464	3300465	3300466	3665088
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Accessories	E-SYSTEM evo / CLAS system evo	CLAS HE R
	Code	Code
WIRED ACCESSORIES		
On/Off Room Thermostat	3318594	3318594
Modulating Room Sensor	3318586	-
Outdoor Sensor	3318588	3318232
SENSYS System Interface	3318585	-
Multi-zone Interface	3318636	-
WIRELESS ACCESSORIES		
On/Off Programmable Room Thermostat	3318632	-
Twin Channel Digital Programmer	-	3318413
INSTALLATION ACCESSORIES		
Rear Piping Chassis	3678411	-
Metal Template	3318246	-

Flue pipe accessories-

Easy installation with unrivaled flexibility



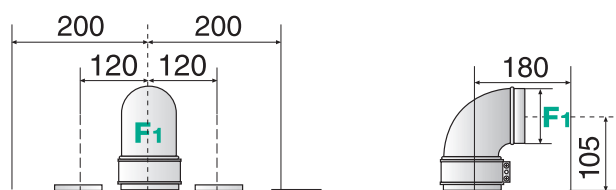
TERMINAL POSITION

		mm
A	Directly above/below an opening, air brick, opening windows, etc	300
B	Horizontally to an opening, air brick, opening windows, etc	300
C	Below gutters, soil pipes or drain pipes	75
D	Below eaves	200
E	From vertical drain or soil pipe	75
F	From an internal or external corner	300
G	Above ground roof or balcony level	300
H	From a surface facing the terminal	600
I	From a terminal facing the terminal	1200
J	Vertically from a terminal on the same wall	1500
K	Horizontally from a terminal in the same wall	300
L	Fixed by use of terminal and matched flashing plate	-

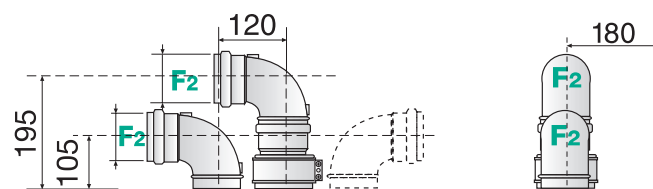
NOTE

- Do not install in a place likely to cause a nuisance/damage/discolouration
- Carport installations are not acceptable with HE appliances
- Products should not cross property boundaries (2.5 metres)

Coaxial exhaust (Ø60/100)

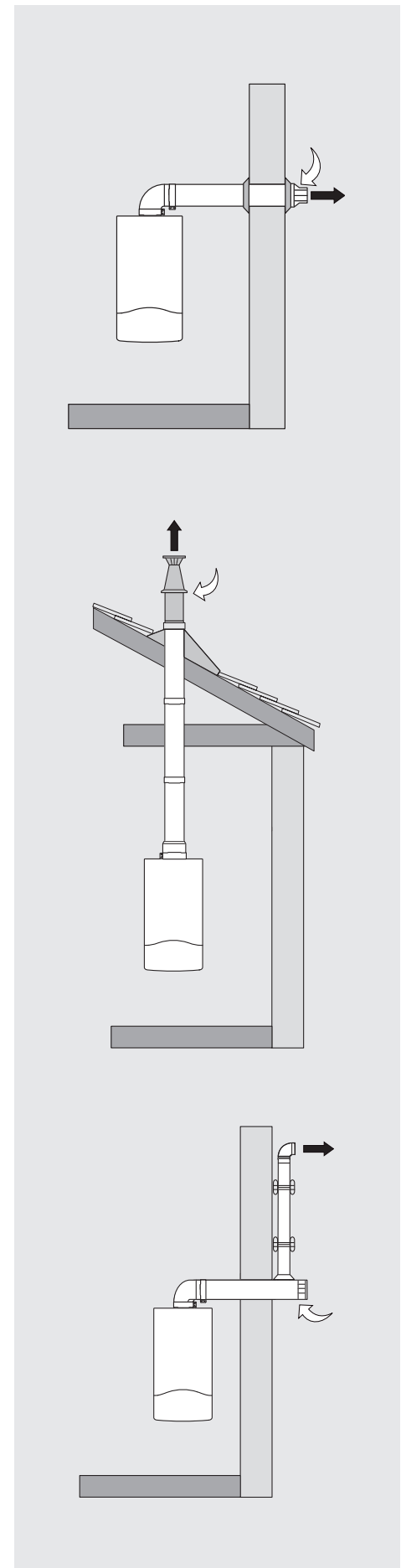


Twin pipe exhaust (Ø80/80)



Flue Accessories

Description	Code
COAXIAL SYSTEMS 60/100	
Horizontal Coaxial Kit - 1000mm	3318073
Horizontal Coaxial Kit + Vertical Starter	3318074
90° Coaxial Elbow	3318075
45° Coaxial Elbow (Pack of 2)	3318076
Coaxial Extension - 2000mm	3318465
Coaxial Extension - 1000mm	3318077
Coaxial Extension - 500mm	3318078
Vertical Starter	3318079
Vertical Flue with Black Terminal (requires 3318079)	3318080
Vertical Flue with Red Terminal (requires 3318079)	3318081
Plume Kit (inc. 1000mm Horizontal Terminal)	3318329
Plume Extension (Ø60mm) - 1000mm	3318105
Plume 45° MF Elbow (Ø60mm) (Pack of 2)	3318106
COAXIAL SYSTEMS 80/125	
Horizontal Coaxial Kit + Adaptor (Ø80/125)	3318090
90° Coaxial Elbow (Ø80/125)	3318091
45° Coaxial Elbow (Ø80/125)	3318092
Coaxial Extension - 1000mm (Ø80/125)	3318093
Coaxial Extension - 500mm (Ø80/125)	3318094
Adaptor/Vertical Starter (Ø60/100 - Ø80/125)	3318095
Vertical Flue with Black Terminal	3318080
Vertical Flue with Red Terminal	3318081
Adaptor (Ø80/125 - Ø60/100)	3318200
TWIN PIPE SYSTEMS 80/80	
Adaptor (Ø60/80) for Twin Pipe Systems	3318369
Horizontal Twin Pipe (Ø80) Flue Kit (requires 3318027)	3318370
90° MF Elbow (Ø80)	3318084
45° MF Elbow (Ø80) (Pack of 2)	3318085
Extension - 1000mm (Ø80)	3318086
Extension - 500mm (Ø80)	3318087
Adaptor Ø80/125 - Ø80 for Vertical Termination	3318088
Adaptor Ø80/125 - Ø80 for Vertical Termination	3318089
Vertical Flue with Black Terminal	3318080
Vertical Flue with Red Terminal	3318081
Stainless Steel Exhaust Cap Adaptor (Ø80)	3318027
Intake Vent Cap (Ø80)	3318028
SUNDRY ITEMS	
Black Flexible Flashing Base Cap (12-40°)	3318009
Red Flexible Flashing Base Cap (12-40°)	3318010
Black Vent Cap Base for Flat Roof	3318011
Red Vent Cap Base for Flat Roof	3318012
Wall Bracket Kit (Ø80-Ø125) (Pack of 3)	3318015
Cover Plate (Ø100)	3318016
Plume Deflector (45°)	3829009



MODEL	18 FF	24 FF	30 FF	38 FF
MAX FLUE LENGTHS				
Horizontal Coaxial 60/100 (m)	14	12	10	6
Horizontal Coaxial 80/125 (m)	42	36	30	18
Vertical Coaxial 60/100 (m)	14	12	10	8
Vertical Coaxial 80/125 (m)	49	42	35	21
Twin Pipe (equal lengths*)	42 + 42	36 + 36	30 + 30	18 + 18

* Other Twin Flue configurations are available, please refer to product manual for exact details.

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