

## **GENUS 30 PLUS**

**WALL HUNG ELECTRONIC IGNITION GAS STORAGE-COMBINATION BOILER**



**COPIOUS  
AMOUNTS OF  
WATER QUICKLY HEATED**



# GENUS 30 PLUS.

## AN INGENIOUS NEW SUPER FAST-FLOW STORAGE COMBI BOILER FROM ARISTON.

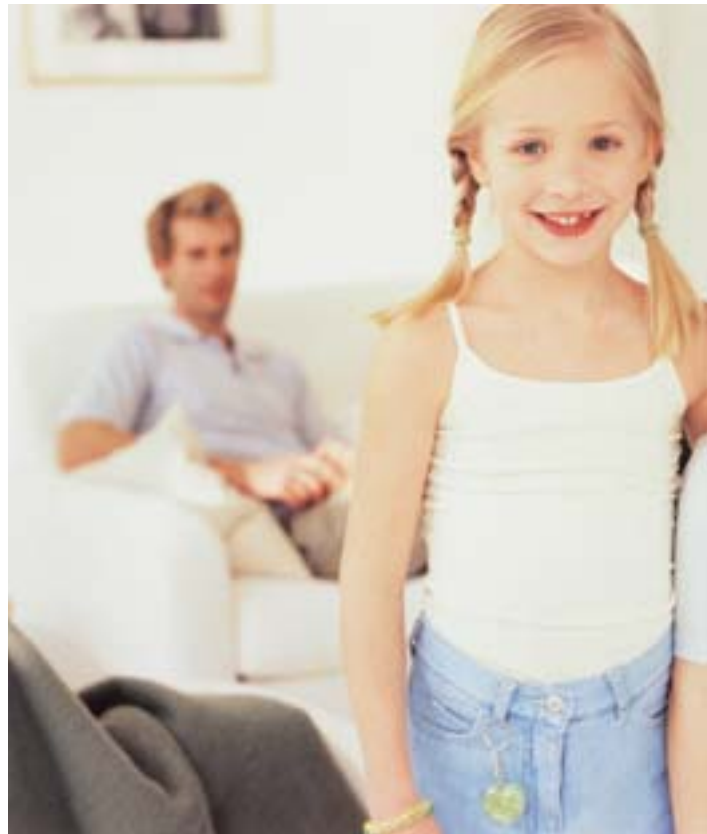
**This boiler is the perfect marriage of a traditional system and combi boiler ideal for larger homes where space is restricted.** This compact all-in-one-design offers the high flow rates of a traditional system but with the added benefit of continuous flow rates offered by combi boilers and with no tank in the loft a dry loft space too. So no risk of freezing pipes in winter and expensive water damage therefore reducing insurance premiums.

**Like its predecessor the GENUS 27 PLUS the New GENUS 30 PLUS will supply large quantities of hot water in the shortest possible time.** Hot water is always available at the desired temperature thanks to the integral 50 litre stainless steel unvented hot water storage cylinder. Hot water recovery times are exceptionally fast with GENUS 30 PLUS, even when consumption is high and a number of taps are used at the same time the GENUS 30 PLUS delivers!

The GENUS 30 PLUS is wall hanging saving valuable floor space for other appliances such as washing machines or dishwashers. Be assured that Ariston has equipped the GENUS 30 PLUS with the most technologically advanced and reliable control systems. Ensuring that this ingenious boiler always performs to the maximum.

## FAST RECOVERY TIMES

Thanks to the integral 50 litres of hot water storage GENUS 30 PLUS delivers hot water to the tap instantly with a specific flow rate of 21.2 litres/min at a temperature rise of 30°C (in accordance with British Standard EN 625). Filling an average bath in about 3 1/2 minutes. The boiler has a, double deck primary heat exchanger and the large coil in the integral 50 litre cylinder ensuring that water in the tank is constantly reheated and available. A hot shower can be taken immediately after running a bath no worries!



## USER BENEFITS.

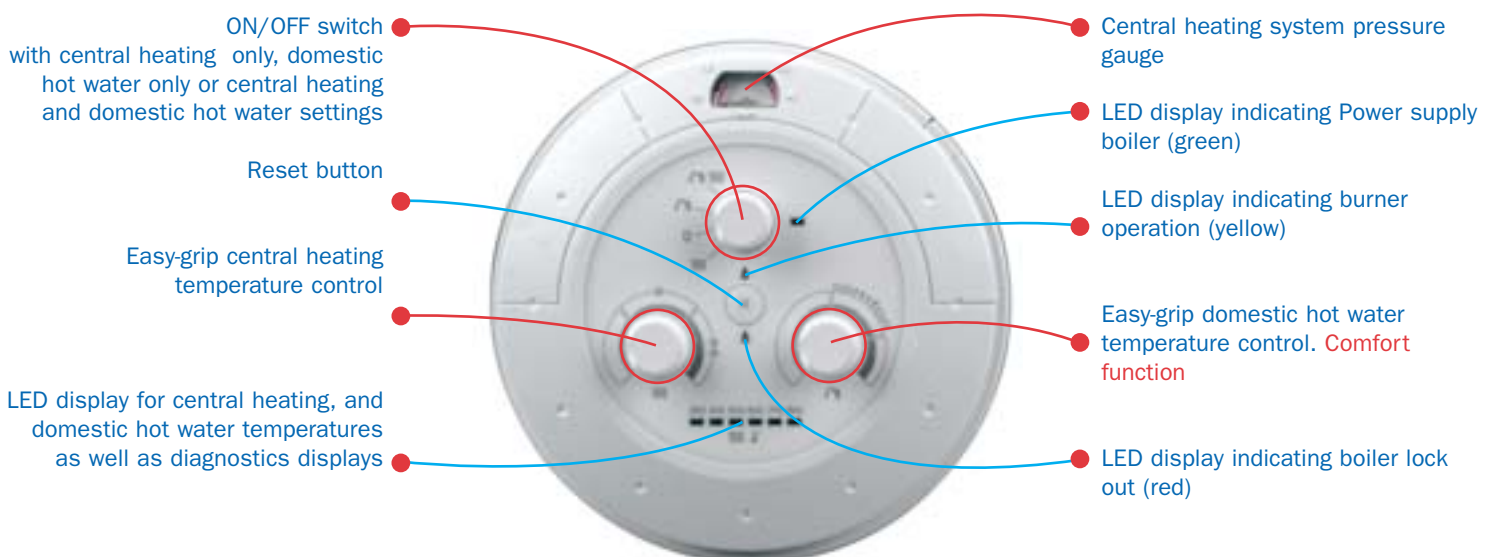
- Simple and easy to use control panel with easy grip controls
- Finite heating and domestic hot waters adjustment (including comfort and extra comfort functions)
- No minimum flow rate when drawing hot water
- Domestic hot water always available
- Mode selector: Standby, Heating only, DHW only and Heating & DHW
- Silent operation less than 48dB
- Reheat time for integral DHW 50 litre store less than 5 minutes
- Specific DHW flow rate of 21.2 litres/min
- Diagnostic display aiding fault identification
- Built-in mechanical time clock
- LED display showing central heating and D.H.W. temperature
- Fast recovery times
- Space saving - wall hung appliance
- No need for header tank - dry loft space

# GENUS30PLUS



## THE INTELLIGENT BUT SIMPLE TO USE CONTROL PANEL.

True technological advancement comes through, both increased functionality and simplicity. The control panel features good sized easy grip buttons for easy operation. The LED display not only shows the operating temperature of central heating but also doubles as a diagnostic display, enabling any faults or potential problems to be identified immediately.





# INSTALLATION AND MAINTENANCE COULDN'T BE SIMPLER.

Ariston has one of the widest gas boiler ranges in the UK. This wide ranging experience has allowed Ariston to simplify maintenance even further. The boiler comprises of three main modules, a generator module, a water group module and the integrated unvented DHW storage tank. The generator module includes gas pipe, burner and double deck heat exchanger (mounted on a sliding unit for easy maintenance). The water group incorporates circulating pump, 3-way valve, automatic shut off heating by-pass, safety valve and automatic air vent.

## NO SIDE CLEARANCE REQUIRED AND AUTO DIAGNOSTICS

As zero side clearance is possible either side of the GENUS 30 PLUS this offers maximum flexibility of siting. All components on the GENUS 30 PLUS are accessible from the front of the appliance. The primary heat exchanger can be removed and inspected with extreme ease thanks to easy access. Importantly the maintenance of the NTC temperature probes does not require the hot water storage cylinder to be drained. The Printed Circuit Board (PCB) can be inspected effortlessly due to its easy access positioning. The auto self-diagnostics allows engineers to identify the components that need attention immediately. The auto self-diagnostics checking sequence indicates, by displaying a code on the panel.



## QUIET PUMP OPERATION IN TWO SPEEDS.

The two speed modulating pump controls the central heating temperature. This allows the pump to be quiet in operation and reduces electricity consumption.



## INTEGRATED CYLINDER COMFORT



## PRINTED CIRCUIT BOARD WITH MICROPROCESSOR.



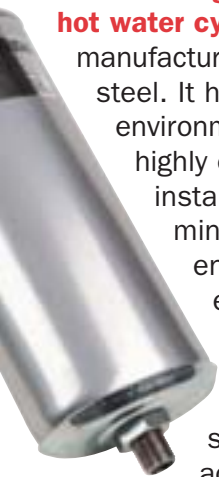
Results in a highly intelligent boiler. The GENUS 30 PLUS features a new generation of Printed Circuit Board (PCB) with a brain in the form of a microprocessor chip just like a PC! It controls every operation the GENUS 30 PLUS performs:

- Control of the temperature probes
- Control of the safety thermostat
- Activates the anti-frost device on the C.H. circuit preventing freezing
- Fan over run if the heating temp exceeds 85°C
- Pump over run control
- Controls the anti-seizing device for the pump
- Pump blocking or lack of water protection
- Pump control measured via the flow and return temperatures
- Controls LED auto diagnostics fault display

## GENERAL 50 litre UNVENTED BOILER FOR MAXIMUM EFFICIENCY

### The New integral 50 Litre domestic hot water cylinder is

manufactured from stainless steel. It has a thick environmentally sound and highly efficient thermal installation to ensure minimum heat loss ensuring maximum efficiency. The boiler also has a built in 2 litre expansion vessel ensuring system expansion is accommodated and operation is safe.



## INSTALLER BENEFITS.

- Connection kit and paper installation template included
- Room thermostat connection accessible from under boiler
- All parts and components are easily accessible from the front of the boiler
- Control panel can be hung from the boiler chassis for increased access
- Built-in automatic by pass
- Multiple flue options allowing for coaxial flue system up to 3m, twin pipe flue system up to 18m (depending upon specific installation)
- Compatible with Ariston system cleaner
- Auto Self-diagnostics via LED display
- 3-way motorised valve can be replaced without draining the cylinder
- Two speed modulating pump with anti-seizing device
- Anti-frost device
- PCB with microprocessor
- Anti-scale device
- Combustion analysis device

# GENUS 30 PLUS



## WALL-HUNG GAS STORAGE-COMBINATION BOILER

- Dimensions: 950x470x595mm
- 50 litre integral unvented hot water storage cylinder
- High D.H.W specific flow rate up to 21.2 l/min (4.7 gal/min)
- Able to fill a standard bath in less than 3 1/2 minutes
- LED Display showing central heating and D.H.W temperature
- Simple to use control panel with easy grip controls
- PCB with microprocessor
- Anti-frost device
- Anti-scale device
- Two speed modulating pump with anti-seizing device
- Auto-diagnostics via LED display
- Combustion analysis device
- Built-in mechanical time clock
- Coaxial flue system up to 3 m, twin pipe flue system up to 18 m (depending upon specific installation)
- Optional outdoor sensor: regulates the heating temperature automatically therefore maximising efficiency
- Soft ignition and central heating power regulation
- Motorised valve
- All unvented controls included - no need for separate pumps and expansion vessels
- Temperature control via 2 NTC probes in central heating and hot water
- Primary heat exchanger with silicone coating to decrease wear
- 2 year manufacturer's guarantee
- Guarantee extendible up to 5 years

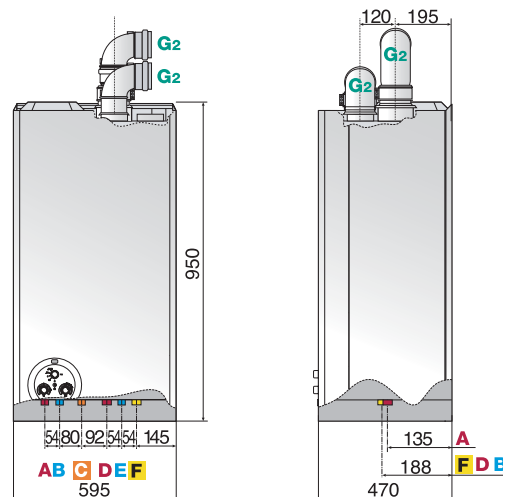
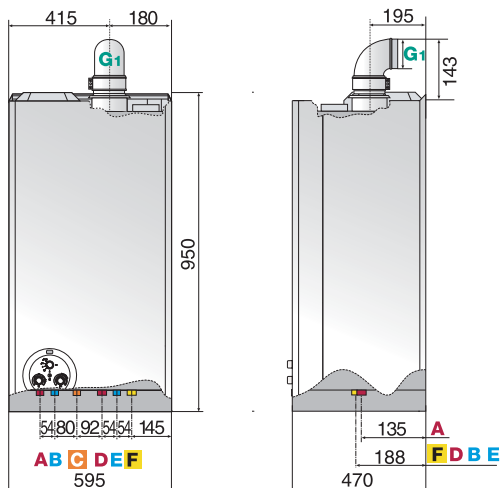
P.C.B. with microprocessor	Automatic by-pass	High head pump	Stainless steel storage cylinder	Electronic ignition	Fully modulating	C.H. Temp adjustment
D.H.W. Temp adjustment	Combustion analysis mode	Water resistance IPX4D	Anti-scale device	Insufficient system pressure shutdown	Anti-frost device	Integral auto-diagnostics

### DIMENSIONS – PIPE FITTINGS – EXHAUST OUTLETS

	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>
	Domestic Hot Water Outlet	Cold water inlet	Secondary return	Central heating flow	Central heating return	Gas inlet	Flue (Ø mm)
<b>GENUS 30 PLUS</b>	15mm copper tail	15mm copper tail	22mm copper tail	22mm copper tail	22mm copper tail	15mm copper tail	<b>G<sub>1</sub></b> 60/100 <b>G<sub>2</sub></b> 80/80

Coaxial exhaust

Twin pipe exhaust



## TECHNICAL INFORMATION

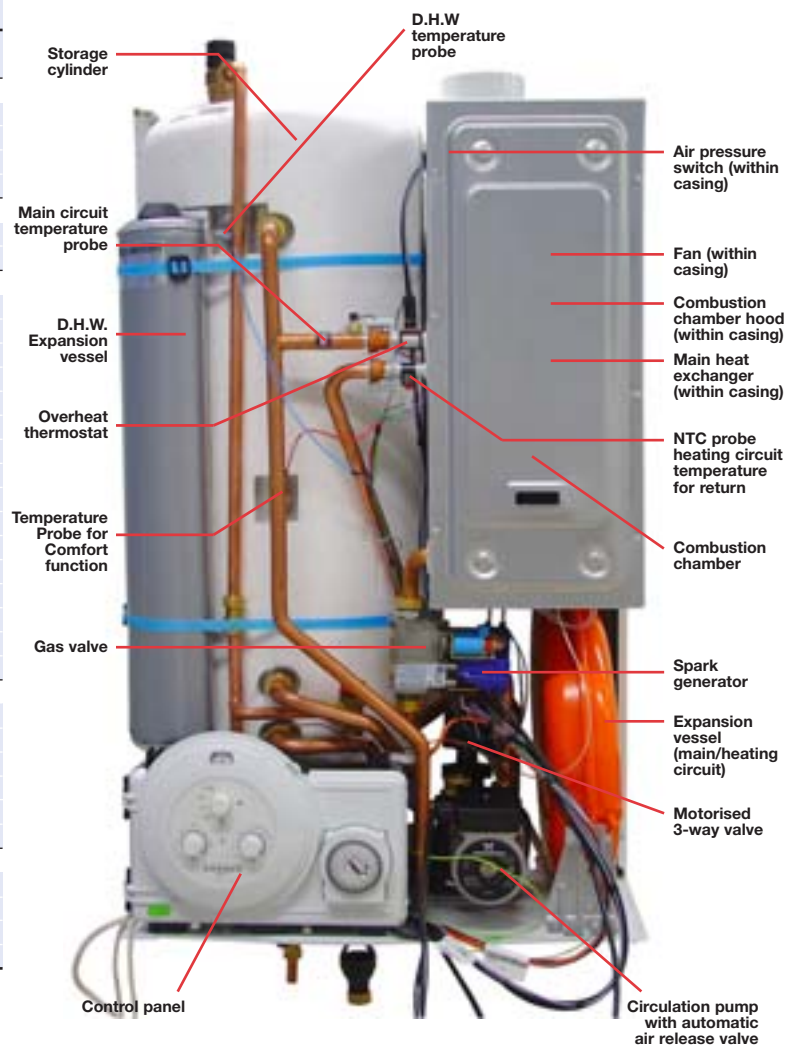
### GENUS 30 PLUS BFFI

<b>Category</b>	II 2 E+3+	
<b>Type</b>	C*	
<b>POWER</b>		
Heat input max.	kW - Btu/h	33.3 - 113,600
Heat input min.	kW - Btu/h	11.3 - 38,600
Heat output max.	kW - Btu/h	30.0 - 102,400
Heat output min.	kW - Btu/h	10.1 - 34,500
<b>EFFICIENCY</b>		
SEDBUK Rating	Band	D
SAP seasonal efficiency G20/G30-G31	%	79.2/81.0
<b>CHARACTERISTICS</b>		
Content of NO <sub>x</sub>	mg/kWh	168
Gas rate maximum G20	m <sup>3</sup> /h	3.52
Gas rate maximum G30-G31	kg/h	2.62/2.58
Exhaust gas temperature (max/min output)	°C	158
Content of CO <sub>2</sub> (G20)	%	6.1
DHW pressure maximum	bar	7
DHW pressure minimum	bar	0.5
Integral unvented cylinder capacity	litres	50
Built-in expansion vessel capacity	litres	7
D.H.W. expansion vessel capacity	litres	2
System water content (maximum)	litres	130
Heating circuit pressure (maximum)	bar	3
Gas inlet pressure G20	mbar	20
Gas inlet pressure G30-G31	mbar	28-30/37
Weight	kg	59
Gas Council No.	47-116-28	
<b>PERFORMANCE</b>		
Central heating temperature maximum	°C	85
Central heating temperature minimum	°C	40
Domestic hot water temperature maximum	°C	70
Domestic hot water temperature minimum	°C	40
Specific flow rate** (in 10 min ΔT =30°C)	gal/min	4.7
Specific flow rate** (in 10 min ΔT =30°C)	l/min	21.2
<b>ELECTRICAL DATA</b>		
Electrical supply	V/Hz	230/50
Power consumption	W	150
Power consumption	IP	4XD
Internal fuse rating	FAST 2 AT	

C\*: C12, C32, C42, C52, C82

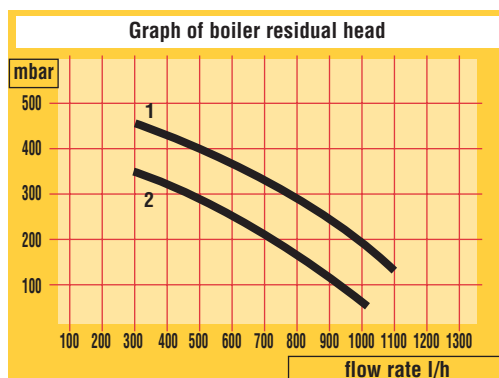
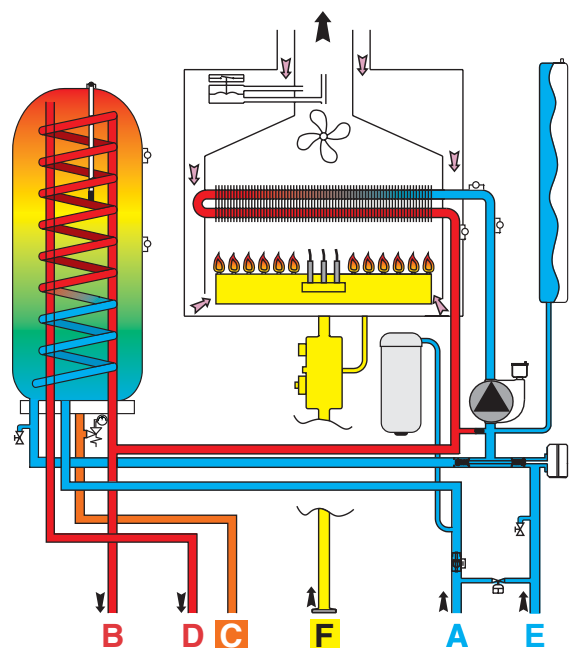
\*\* in accordance with British Standard EN 625

### GENUS 30 PLUS



## SCHEMATIC

### ROOM-SEALED FAN FLUE GENUS 30 PLUS



1 Pump on maximum setting  
2 Pump on minimum setting

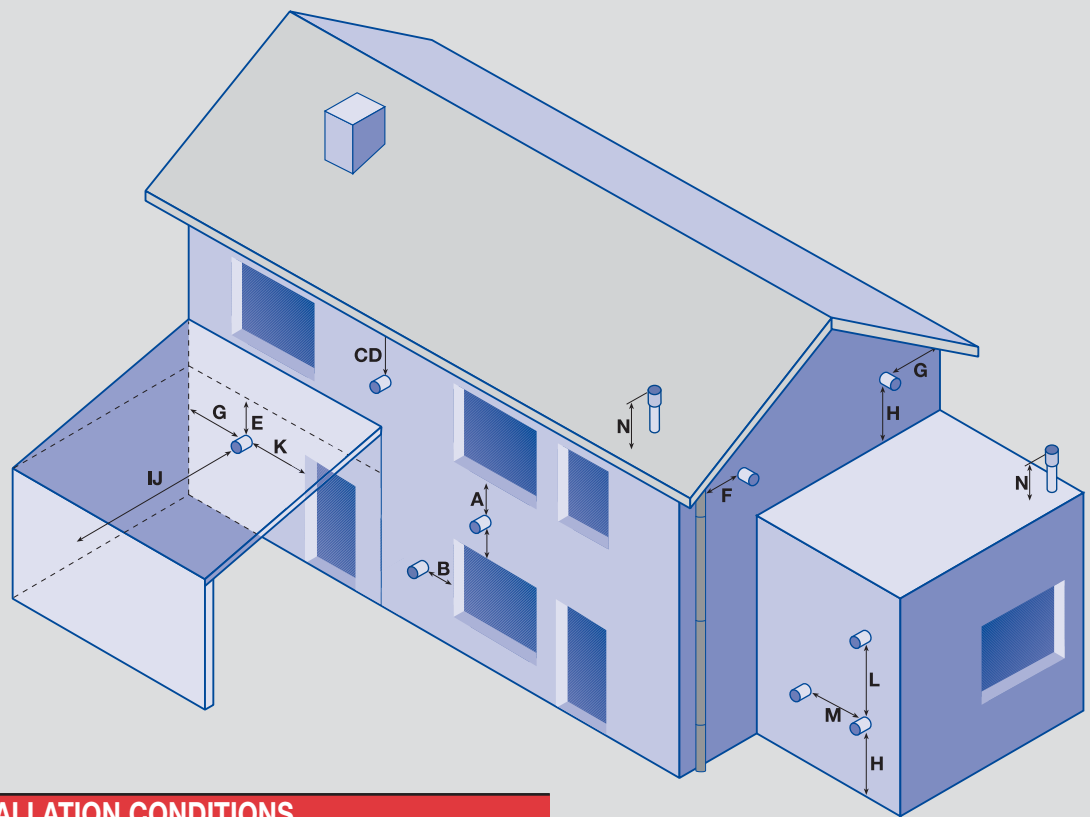


# FLUE PIPE ACCESSORIES - EASY INSTALLATION WITH UNRIVALLED FLEXIBILITY

Ariston boilers are designed to be completely adaptable to every possible flue situation that may be encountered in boiler installation.

The need for alteration to flue components is almost completely eliminated, making installation of the boiler quick and easy.

It is possible to site flue terminals in a variety of positions in accordance with BS5440-1:2000.



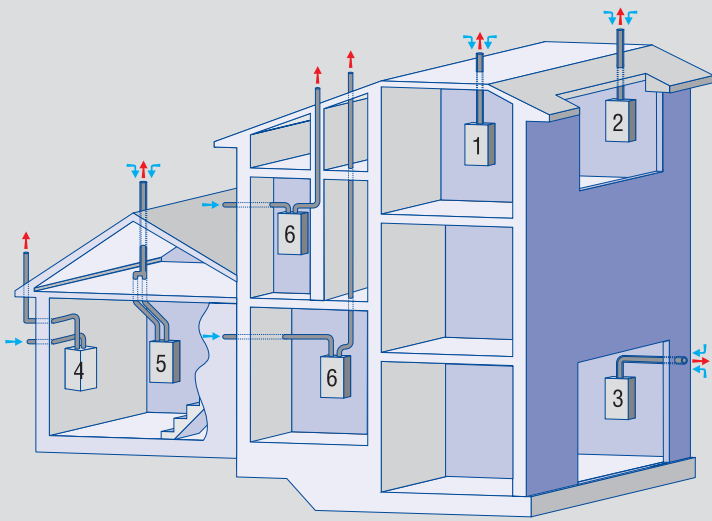
## INSTALLATION CONDITIONS

<b>TERMINAL POSITION</b>	<b>mm</b>
<b>A</b> Directly above/below an opening, air brick, opening windows, etc	300
<b>B</b> Horizontally to an opening, air brick, opening windows, etc	300
<b>C</b> Below gutters, soil pipes or drain pipes	75
<b>D</b> Below eaves	200
<b>E</b> Below balconies or car port roof	200
<b>F</b> From vertical drain or soil pipe	150
<b>G</b> From an internal or external corner	300
<b>H</b> Above ground roof or balcony level	300
<b>I</b> From a surface facing the terminal	600
<b>J</b> From a terminal facing the terminal	1200
<b>K</b> From an opening in the car port (eg door, window) into the dwelling	1200
<b>L</b> Vertically from a terminal on the same wall	1500
<b>M</b> Horizontally from a terminal in the same wall	300
<b>N</b> Fixed by use of terminal and matched flashing plate	-

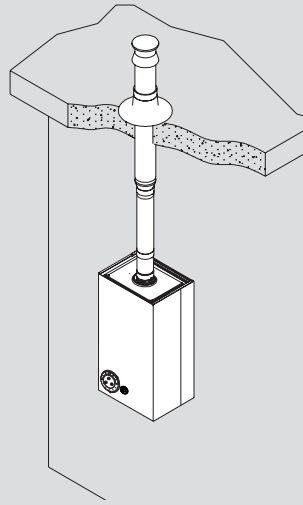


**Coaxial system:  
up to 3 m**

**Twin pipe system  
up to 18 m  
(depending upon  
specific installation)**

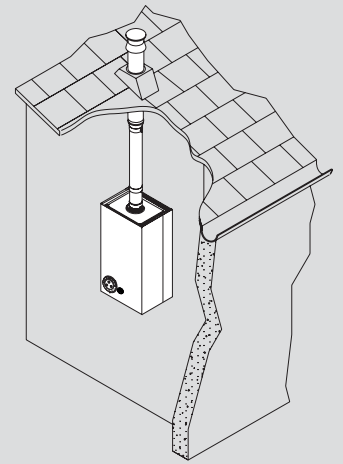


**TYPE 1 Coaxial System**



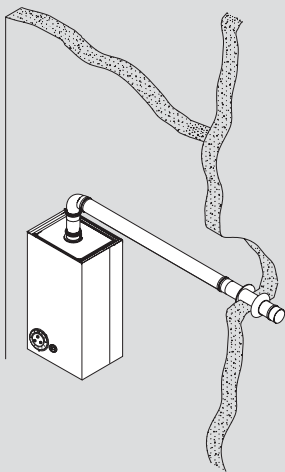
Vertical installation with coaxial piping on a flat roof.

**TYPE 2 Coaxial System**



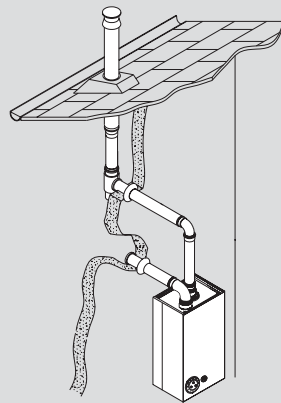
Vertical installation with coaxial piping on a pitched roof.

**TYPE 3 Coaxial System**



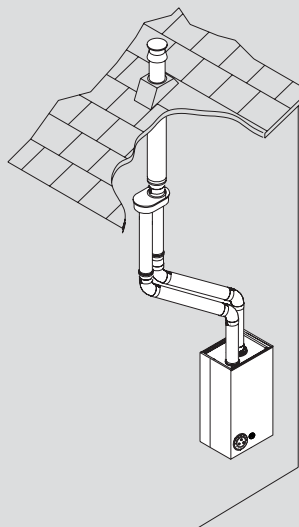
Horizontal installation with coaxial piping.

**TYPE 4 Twin pipe system**



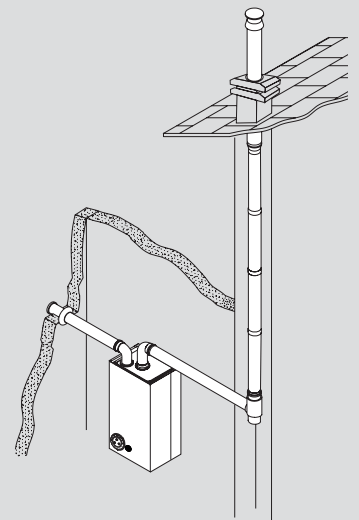
Installation with two separate pipes - exhaust on a pitched roof, air inlet through a wall.

**TYPE 5 Twin pipe system**



Installation with two separate pipes - exhaust and air inlet on a pitched roof via a coaxial adaptor.

**TYPE 6 Twin pipe system**



Installation with two separate pipes - exhaust via flue duct, air inlet through a wall.



# OPTIONAL ACCESSORIES ENGINEERED FOR PERFECT INSTALLATION



## **DIGITAL TIME CLOCK**

The addition of a 7 day digital time clock allows the user to program the central heating to operate in conjunction with their lifestyle and weekly routine. It is possible to set the boiler to turn on and off up to 20 preset times during the week: allowing users to differentiate setting between weekdays and the weekend for example. It is also possible to override the automatic settings and operate the boiler manually at any time.

# SYSTEM CLEANER



FAST, EFFECTIVE CLEANING AT A FRACTION OF THE COST

## AN ESSENTIAL TOOL FOR ALL ARISTON INSTALLERS



- Simple to install and remove
- Can be used time and time again
- Fast, effective cleaning and filtration
- No need to drain or refill system
- Filter can be cleaned with tap water
- Add inhibitors or take water samples without mess

Designed specifically for use with the entire Ariston range of boilers, the System Cleaner is fast, effective and time saving.

The System Cleaner is simply attached to the boiler's isolation valve and at a low flow temperature it can remove impurities from the system.

The use of the System Cleaner avoids the oxidising effects of fresh water and inhibitors can be introduced into the system by placing them in the filter and allowing the clean system water to pass through them. No need to try and pour them in through a radiator valve!

The System Cleaner can be removed and used on other systems. The filter can be cleaned with tap water and used again and again, doing away with the need for solvents.



# ARISTON QUALITY PRODUCTS EXCEPTIONAL SERVICE



 **0870 241 8180**  
technical advice

 **0870 600 9888**  
customer service

## REGIONAL TRAINING CENTRES

- Plymouth
- High Wycombe
- Gt. Manchester



## COMPREHENSIVE TRAINING

Programmes across the entire Ariston product range covering all theoretical and practical aspects. Designed for commercial heating installers, merchants and independent gas-heating service organisations: courses are offered at 3 fully equipped training centres in the UK. In addition permanent training facilities are available at a number of technical colleges nationwide.

## TECHNICAL HOT LINE

Immediate and effective technical assistance is only a phone call away. Assistance is also available for any information or advice on the product most suitable for your needs and the requirements of your system installation.

## PROFESSIONAL SERVICE

Ariston service technicians are swift and prepared for any eventuality. They offer you and your customers a high level of assistance, comprising the best technical, logistic and human resources available. Ariston invests a great deal in this field to guarantee a decisive advantage that others cannot offer.

for the latest product info visit:  
<http://www.ariston.co.uk>



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