



ARISTON
The home of sustainable comfort



Gas boilers and accessories

HOT WATER ▲ HEATING ▲ RENEWABLE





The home of **sustainable comfort**

As a **leading specialist** in heating and water-heating with over 90 years of history, Ariston understands well the challenges in creating practical and high-performance products and systems that guarantee exceptional levels of comfort and efficiency. That is why it has set itself a new mission – **to give more homes access to sustainable comfort solutions** using less energy and effort.

To this end, it has further strengthened its commitment to delivering **high-quality, renewable and energy-efficient solutions** that can simplify and improve the quality of home life while empowering people to live more sustainably.

By successfully combining its global reach with an in-depth focus on the needs of the different markets where it has a presence, Ariston prides itself in being the home of sustainable comfort: a reference brand trusted worldwide by millions of families and industry professionals longing for advanced thermal comfort solutions that **not only are easy to use and maintain but also use as little energy as possible**.

Our story, driven by your needs

Ariston's continuous growth has been fueled by its commitment to provide people with reliable and highly-efficient comfort solutions to improve and enjoy life at home.

Each step of the way we have been driven by the existing and emerging needs of our customers, and our solutions have been conceived with their lifestyle in mind.



'30s

Foundation

Aristide Merloni founds "Industrie Merloni" company in the Marche Region of Italy, and starts the production of weighing scales.

'80s

Heating

We consolidate our market leadership in water heating and the production of boilers begins.



'60s

Water heating

The Ariston brand is launched and the production of electric water heaters begins.



► '90s

Global expansion

With the launch in China and Russia, we begin to evolve into a global brand.



► '10s

Ariston Comfort Challenge

With this mission, Ariston proved the ability of its products to guarantee exceptional performance, durability and efficiency's levels in every condition, even where it seems impossible. It was a huge challenge, but it was just the beginning.

► '00s

Renewable technologies

We successfully develop and launch our new model in heat pump, which marks our development into innovative and sustainable heating technology.



► '20s

The home of sustainable comfort

We strengthen our commitment to providing our end-users with products that generate heating and hot water in the most efficient and renewable way possible. A tangible sign of our dedication to respecting everything that surrounds us.



Why choose Ariston?

We are a global **thermal comfort specialist**

Standing out as **global leader in heating and water-heating with more than 90 years of expertise**, Ariston boasts an extensive product and service portfolio equally focused on the provision of renewable and high-efficiency heating and hot water solutions. With its

proven ability to meet the local needs of every country where it has a presence, our company is **trusted and welcomed by millions of families around the world**, while also being the **preferred choice for thousands of professionals**.



We are masters of renewable and high-efficiency solutions

Sustainable comfort lies at the heart of our company and our commitment is to provide our customers with products and systems that **generate heating and hot water in the most efficient and renewable way possible**, whatever their energy source. Choosing Ariston means gaining access to a broad and comprehensive range of high-performance and easy-to-use solutions that not only will play a significant role in the reduction of energy bills, but also represent the perfect upgrade for a more sustainable home thanks to **smart connectivity and the latest technologies** being developed for environmentally-friendly heating and water heating.



Wide offer in last generation **heat pumps for heating and hot water and solar**

2.5%

of revenues invested annually in R&D with growing focus on renewable products*

Efficient

hybrid systems

tailored for every need

79%

of turnover from innovative products (younger than 5 years)*

Commitment to frontier R&D

(Hydrogen, gas absorption heat pump, demand-response, natural refrigerants)

Connectivity in all Heating and Water Heating segments

*The data refer to Ariston group, worldwide portfolio of solutions.

We are dedicated to enduring quality

Our products and solutions are made to last, so are of the highest quality. We achieve this by using the best components and materials available and through rigorous checks taking place before, during and after production. For maximum serenity, **every product we sell comes with a solid warranty**. But not only that; anyone purchasing one of our products can be reassured there will always be a point of contact available to deal with anything. **High standards of quality apply to all our processes and functions:** our facilities are involved in a continuous performance and quality monitoring process, constantly improving every aspect of manufacture, plant maintenance and distribution logistics.



100%
checked and tested
products

>95%
of our products require
no technical interventions
in their first 5 years of service*

High-quality
**after-sales
service**
always available

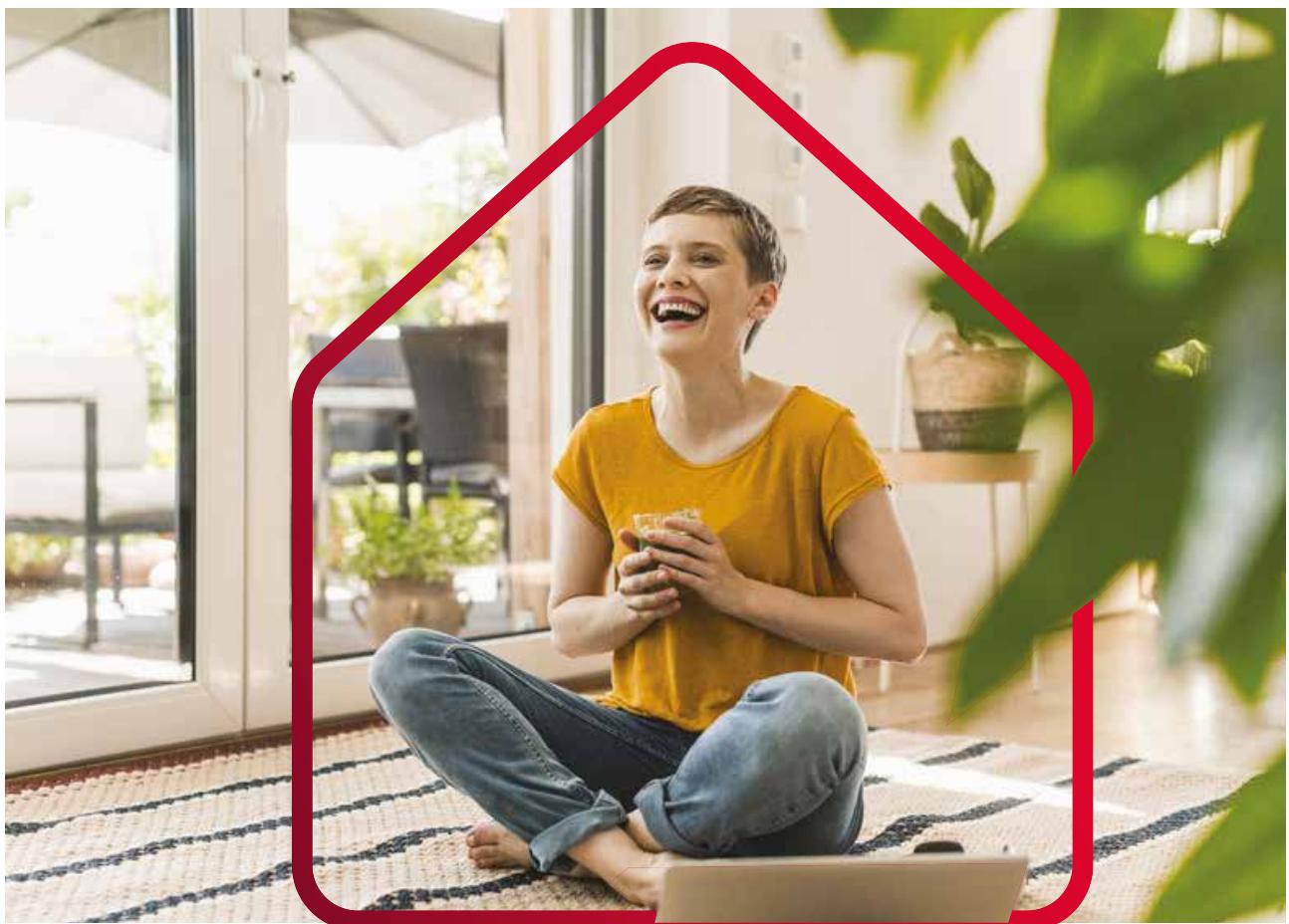
Effective
warranty
guarantees

*The data refer to Ariston group, worldwide portfolio of solutions.

We are champions of **home and planet**

Italian in origin, since its founding in 1930 Ariston has been synonymous with innovation and sustainability and has been **driven by the mission to make every home a haven of comfort** – while maintaining a strong focus on the environment. As a leading global brand, we now feel at home

in almost every part of the world. And because we see **the world as the home we all share**, we develop products and solutions that represent an accessible and effective way for anyone to improve and enjoy life at home while making more responsible and energy-conscious choices.



Believe in sustainability

Our purpose is to provide **everyone, in every corner of the world, with high-quality heating and water heating solutions, while protecting the environment.**

To this end, we have placed energy efficiency and technologies using energy from renewable sources at the centre of our sustainable growth strategy, thus acting consistently with the sustainable

development goals endorsed by the General Assembly of the United Nations.

This commitment is reflected in the effort we invest in developing efficient and sustainable products, solutions and processes that can make a decisive contribution to reducing energy consumption and environmental impact without sacrificing comfort.



SUSTAINABLE DEVELOPMENT GOALS



The economic, social and environmental impacts generated through Ariston Thermo Group's operations contribute towards 9 of the 17 sustainable development goals, including:

Sustainable cities and communities

Ariston Thermo Group's commitment to energy-efficient solutions will enable citizens to use clean energy to its fullest potential. Replacing low-efficiency products with Ariston's new high-efficiency technologies will allow to curb carbon dioxide emissions by more than 3,4 Mln tons by 2022*.

Responsible consumption and production

All of our production plants around the world are at the centre of Ariston Thermo Group's energy efficiency plan. This consists in a long-term strategy that in 2019 allowed the Group to achieve a remarkable result: over 10,000 tons of CO₂ equivalent avoided thanks to the energy efficiency of the production processes.

Climate action

During 2019 the Ariston Comfort Zone, a modular house equipped with Ariston's most advanced and efficient technology, enabled a group of researchers from the University of Copenhagen tasked with studying how climate change is affecting the Arctic ecosystem to conduct 22 new studies.

Connected services

Enjoy seamless connectivity

Ariston's product range includes a variety of Wi-Fi enabled solutions dedicated to comfort.

Designed to deliver always-on connectivity, our hot water and heating systems can be controlled remotely using a smartphone or through all main smart home platforms*.

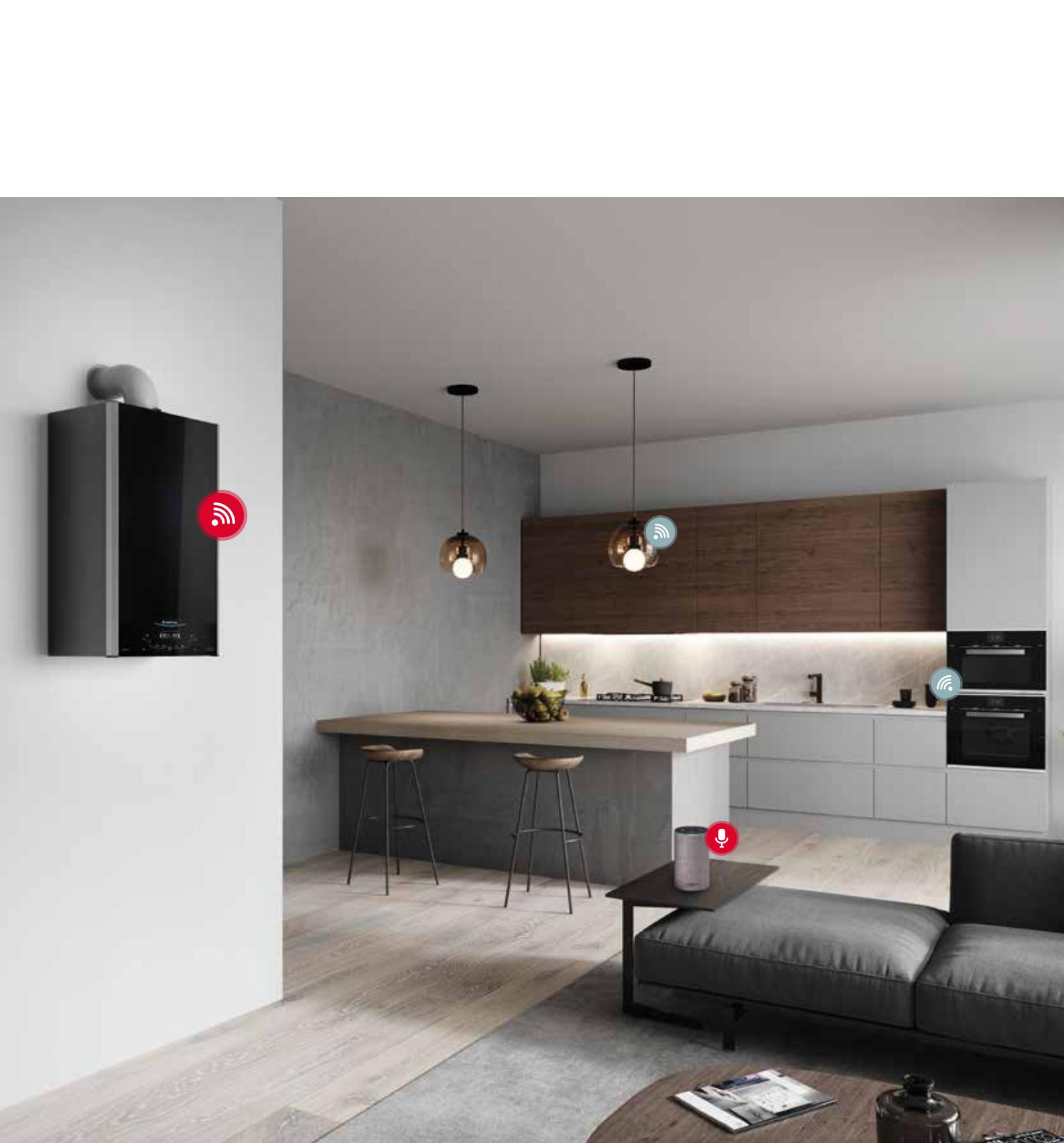
The key to your smart home

Ariston products, together with other home appliances, will help you bring your smart home project to life. The advantages of having a connected home are many, and there will be many more in the years to come. Look for the products compatible with Ariston NET & Aqua Ariston NET to benefit from all of them, both now and in the future. Regardless of your lifestyle, managing your personal comfort has never been more natural.

/ Ariston NET App for connected heating products

/ Aqua Ariston NET App for connected water heaters

*Voice control & Apple/Amazon/Google integration are available for selected heating products.
Refer to product pages for the details on the compatibility.





AI

powered by
**Artificial
Intelligence**

Ariston NET

Home gets smarter, life gets simpler



ARISTON NET

With the Ariston NET app, adjusting the temperature of your Ariston system, optimising consumption and solving problems has never been easier. With the addition of AI capabilities, the app is now ready to bring more freedom and ease into your home, taking your comfort and peace of mind to the next level.



Comfort at your fingertips

Set a schedule, switch your products on/off, activate the holiday mode and much more, directly from your smartphone, or even with the sound of your voice*. Enjoy smart scheduling for added comfort thanks to AI and geo-fencing tech. And to further simplify your life, ask the app to recognize the thermal characteristics of your house to always come home to a warm house.

Keep track of your consumption and save energy

The detailed reports available in the app enable you to understand your energy consumption patterns. So you can become more energy aware and save up to 25%** on bills, while contributing to a sustainable future for our planet.

Always-on support with active care

Receive a real-time push notification in case of system failure and solve any issues immediately. Also, by activating Ariston NET's remote assistance, your service centre will be able to monitor your system and correct faults before you experience any inconvenience. And thanks to AI, the app can now even predict an error in advance and inform you beforehand via a notification.

*Voice control & Apple/Amazon/Google integration are available for selected heating products.

**Estimated saving up to 25% on daily basis, compared to Ariston standard mechanical products.



Pre-Sales and After-Sales technical support

Our services

We are always at your side In all phases of the realization of a project.

From the design of a plant, to the construction of the system itself and even after commissioning, a team of Ariston specialists is constantly available to provide support and assistance.

Pre-Sales

A team of technicians and engineers offer their support and their experience in the design of key-on-hand solutions, providing them with products, designs and maintenance services.

Technical Consultancy Center

The Technical Consultancy Center provides every day specialist consultancy and timely responses on the technical characteristics of installations.

The technical team is the right interlocutor with whom interface for design and maintenance of complex plants.

After-Sales

Our qualified Service Network provides technical support for startup, maintenance, troubleshooting and repair interventions, by remote and on field as well.

Our mission is to deliver high level of service, through solid know-how and quality of genuine spare parts, in order to ensure the Ariston products performance, long term reliability and make them exceed the Customer expectations.

ERP

Are you up-to-date with the new regulations?



Since 26 September 2015, the new European Union regulations define minimum efficiency and energy labelling requirements for boilers, heat pumps, micro-cogeneration, water heaters and hot water tanks.

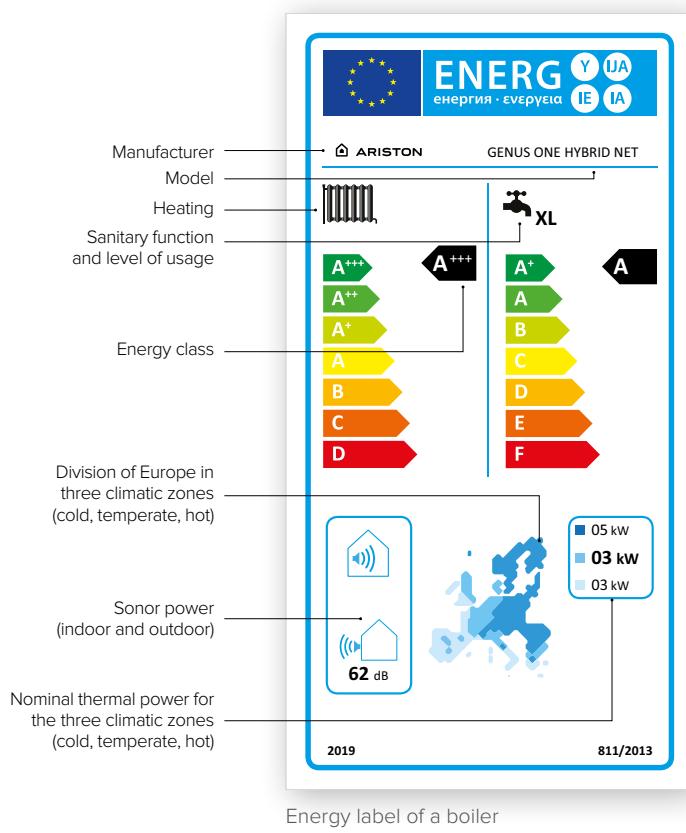
On 26 September 2018 have been introduced new limits of NOx emissions, in addition to the efficiency limits already in force. The NOx limits have been applied to products placed on the market starting from 26 September 2018. Products purchased before that date and already in retail outlets or distribution warehouses can continue to be sold and installed, even though they do not comply with the new requirements.

26.09.2015	2017	26.09.2018	26.09.2019
  A++ (space heating) / A (water heating) Compulsory labelling on space heating and water heating products (energy class)	 A+ introduced for domestic hot water production	 New limits for NOx emissions < 56 mg/kWh (for gas fuels)	 A+++ introduced for space heating



Minimum performance requirements for space heating and domestic hot water production

New limits for NOx emissions < 56 mg/kWh (for gas fuels)



Energy label of a boiler

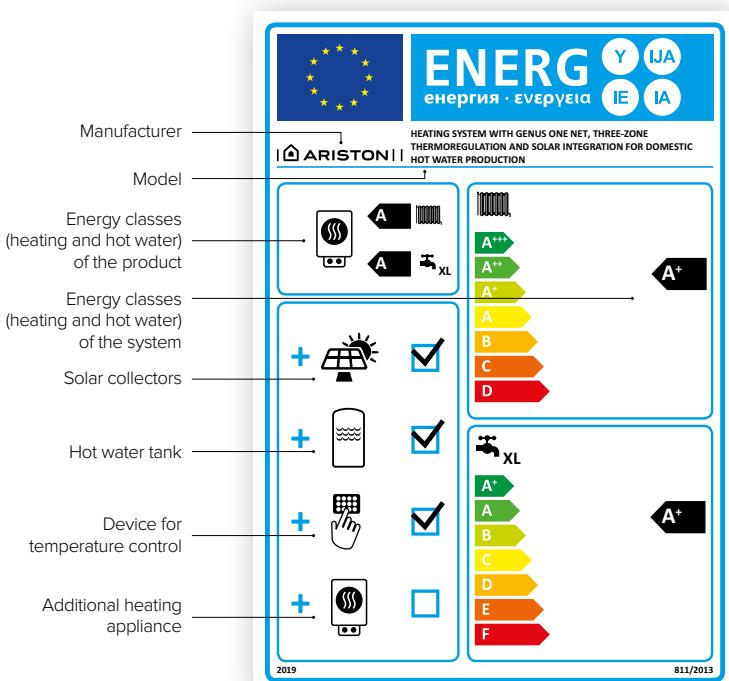
Product label

There are different labels, depending on the type of product and service guaranteed.

The efficiency classes A, A+ and A++ indicate the products with higher performance.

There are two different classifications for the heating and water production services; for products which can provide both services, labels must show both the classifications.

In addition to the energy class, the labels display information to help consumers choosing the most efficient products with less environmental impact (power consumption in different weather areas noise, etc...).



Energy label of a combi boiler

System label

All devices for which it is proposed (or expected) a combination with predefined devices, must have a second label, in addition to the product label and technical documentation, advertising and promotional materials showing its performance.

Who sells these systems will be responsible for defining the achieved performance (through an automatic algorithm) and inform his client.

In this catalogue



Condensing boilers

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 - 48 / Clas One System
 - 50 / Cares S
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High power condensing gas boilers

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115-150



Conventional gas boilers

Closed chamber wall hung boiler range

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 - 88 / Genus XC
 - 90 / Clas XC
 - 92 / Clas XC System
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Open chamber wall hung boiler range

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- 117 / Sensys NET HD
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Condensing boilers





Whether wall-hung or floor-standing, Ariston condensing boilers offer high efficiency performances and substantial energy savings through effective reuse of the heat produced in the combustion process. Easy and intuitive to use, they are the right choice for those who wish to reduce their energy bills and protect the environment.

► One series

One+ NET

Wi-Fi Condensing Range

READY FOR
20% H₂



The new Wi-Fi condensing range **ready for 20% H₂**
for extra comfort & full heat management

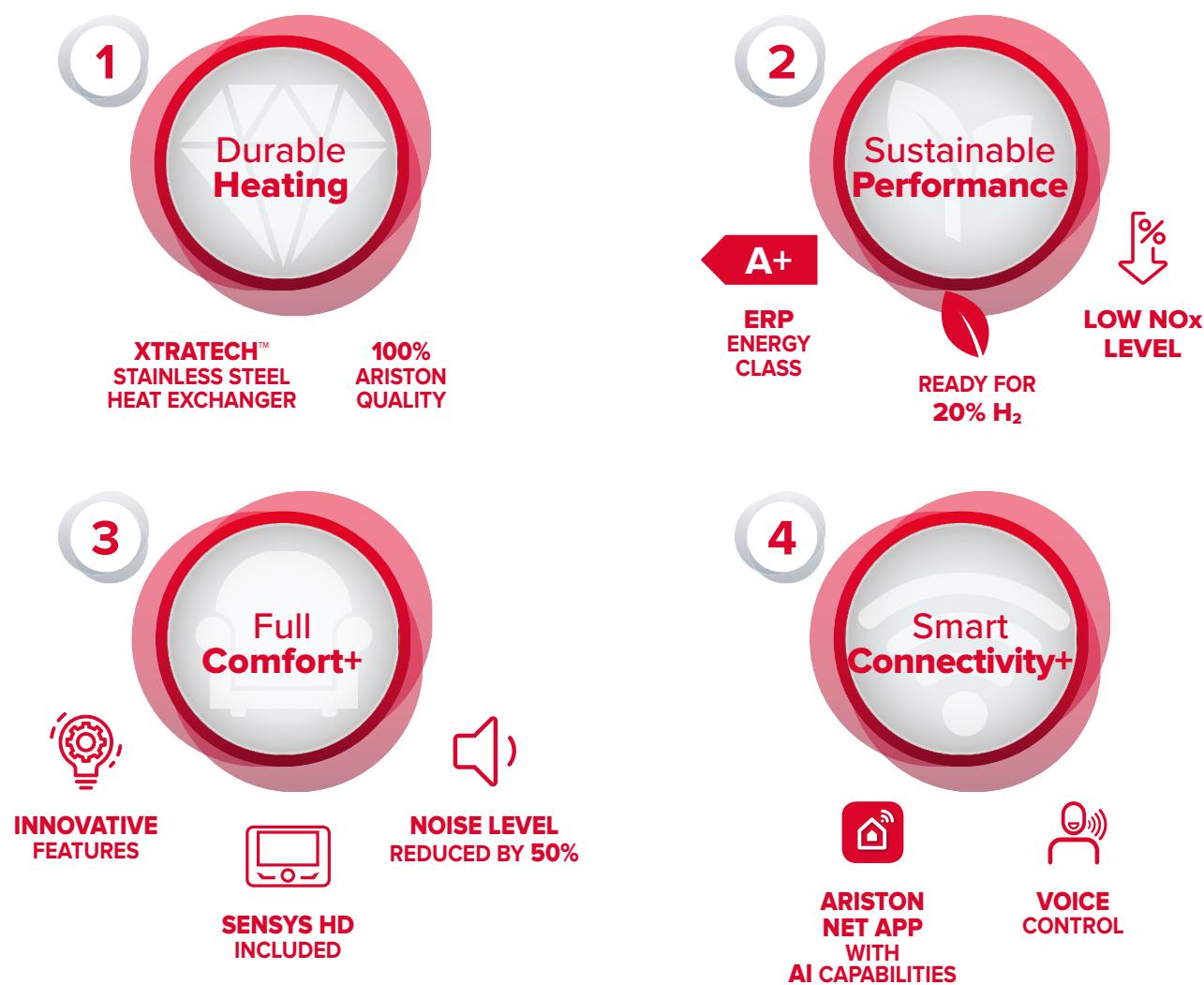
Hi-tech, Hi-Comfort. PLUS

Benefiting from the One series' condensing technology and upgraded with new advanced features, the new Ariston condensing wall-hung boiler range stands out for its enhanced performance, durability and efficiency, but it's also a more environmentally-friendly option, as it can now run on hydrogen enriched natural gas.

The boilers combine modern Italian design with hi-tech materials and are equipped with Sensys HD*, the innovative system interface for easy and accurate control over comfort.

All of One+ NET boilers offer built-in Wi-Fi compatibility which makes them ready for Ariston NET. The app allows for easy smartphone control, energy savings and remote assistance**. But not only that: with the new Ariston NET's AI capabilities you can choose to let your boiler create a custom heating experience and take active care of your system.

Choose One+ NET and achieve a new level of comfort provided by its **Per4mance System+**.



A+ class achieved with thermoregulation accessories (Sensys NET HD with Netweather functionality or Sensys HD + external sensor).

1 Durable Heating

Enduring quality inside and out

One+ NET are engineered for exceptionally long life and designed to ensure reliable comfort day after day, even in extreme conditions.

Maximum durability

The patented XtraTech™ stainless steel heat exchanger is the heart of One+ NET condensing technology. It enables the product to deliver consistent and dependable heating performance over time.

PREVIOUS
HEAT EXCHANGER



XTRATECH™
HEAT EXCHANGER



The larger pipes improve the water flow, thus **increasing heating performance** and **preventing the risk of debris blockage**.



Performance guaranteed by TÜV certification.





Proven Ariston quality

The new boilers are made with sturdy and durable materials and fitted with state-of-the-art components and technology ensuring the highest standards of quality.



WORLD CLASS MANUFACTURING

In Ariston's world-class production hubs, excellence in industrial manufacturing is pursued through constant updates and improvements of processes, always focusing on product quality, the environment and safety.



100% MADE BY ARISTON

All system components and software are developed in-house by Ariston experts to ensure long-lasting performance, high-efficiency, and extended product life.



100% AUTOMATICALLY CHECKED AND TESTED

Before leaving the plant, One+ NET undergoes a fully automated quality, safety and efficiency testing process with instantaneous tracking capability.

2 Sustainable Performance

A more energy-conscious home

One+ NET is very energy efficient and offers a more environmentally-friendly way to heat your home.

Energy class A+

The range achieves class A+ energy performance thanks to the synergy between:

- / The brand-new Ignition-System+, that automatically detects the gas characteristics to improve combustion performance;
- / The advanced thermo-regulation accessories;
- / The outdoor temperature data received from the internet.

Lower environmental impact

One+ NET boilers are also a perfect choice to help you preserve our planet.

- / They are able to self-regulate and run properly and safely using natural gas mixtures enriched with up to 20% hydrogen*.
- / They have a reduced NOx level of 25mg/kWh, 55% lower than the maximum limit required for class 6 resulting in more environment-friendly performance.





3 Full Comfort+

A next-level heating experience

A unique set of innovative features devised to bring extra comfort into your home, in the most efficient and convenient way.

Stable and consistent heating

The new Flow Control System+ enhances the optimization of the water flow to ensure the same level of comfort in each room.

Perfect pressure control

The Hydro Sensor automatically monitors the system pressure and displays an alert to notify when system filling is required.

Ultra-quiet operation

Thanks to their state-of-the-art insulated panels and technologies, the boilers produce about the same noise level as the one in a library.



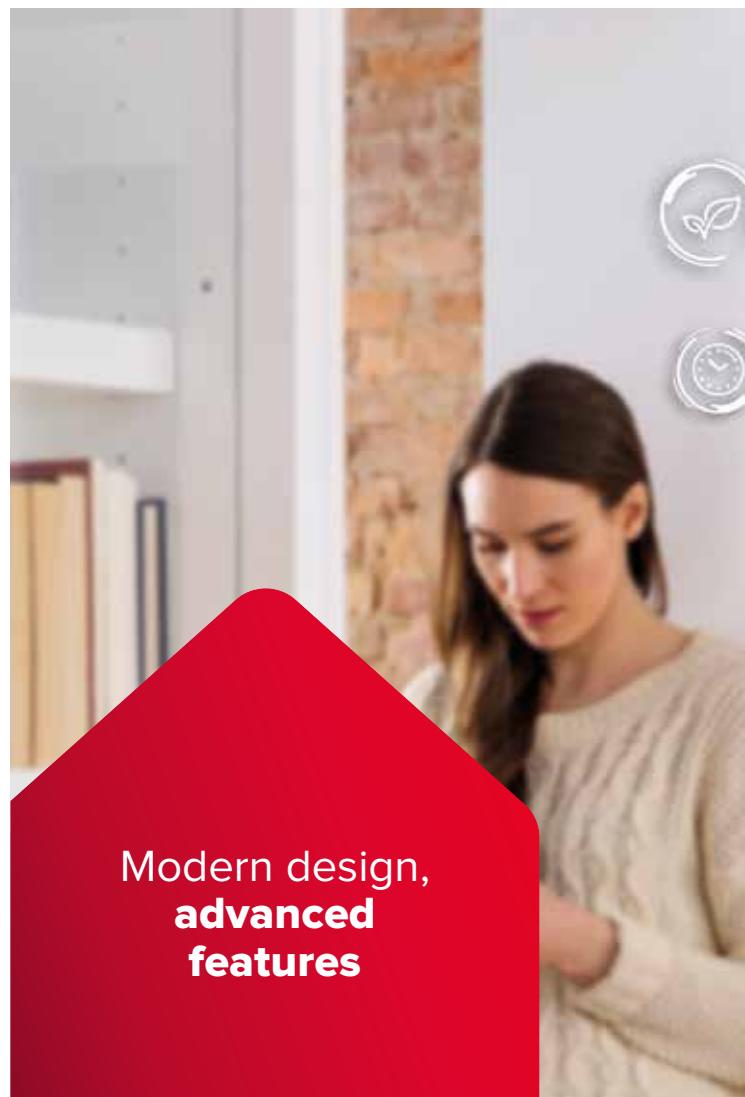
360° control over comfort

One+ NET comes with Sensys HD included*. Equipped with the BUS BridgeNet® protocol, this innovative system interface will become the control center of your home comfort.



With Sensys HD system interface you can

- / Easily create a daily and weekly temperature schedule
- / Set up different temperatures for up to six different zones within your home
- / Choose between different modes and special functions according to your needs and preferences



Modern design,
**advanced
features**

4 Smart Connectivity+

Smartly connected to you

One+ NET allows you to have perfect control over your comfort, and also offers new AI capabilities for more peace of mind.

Ariston NET APP



All models are equipped with always-on connectivity. That means you can manage them remotely, optimise energy consumption and receive continuous remote assistance* direct to your phone or tablet using the Ariston NET app.

All the advantages of Ariston NET



Remote
Control



Voice
control*



Energy
savings



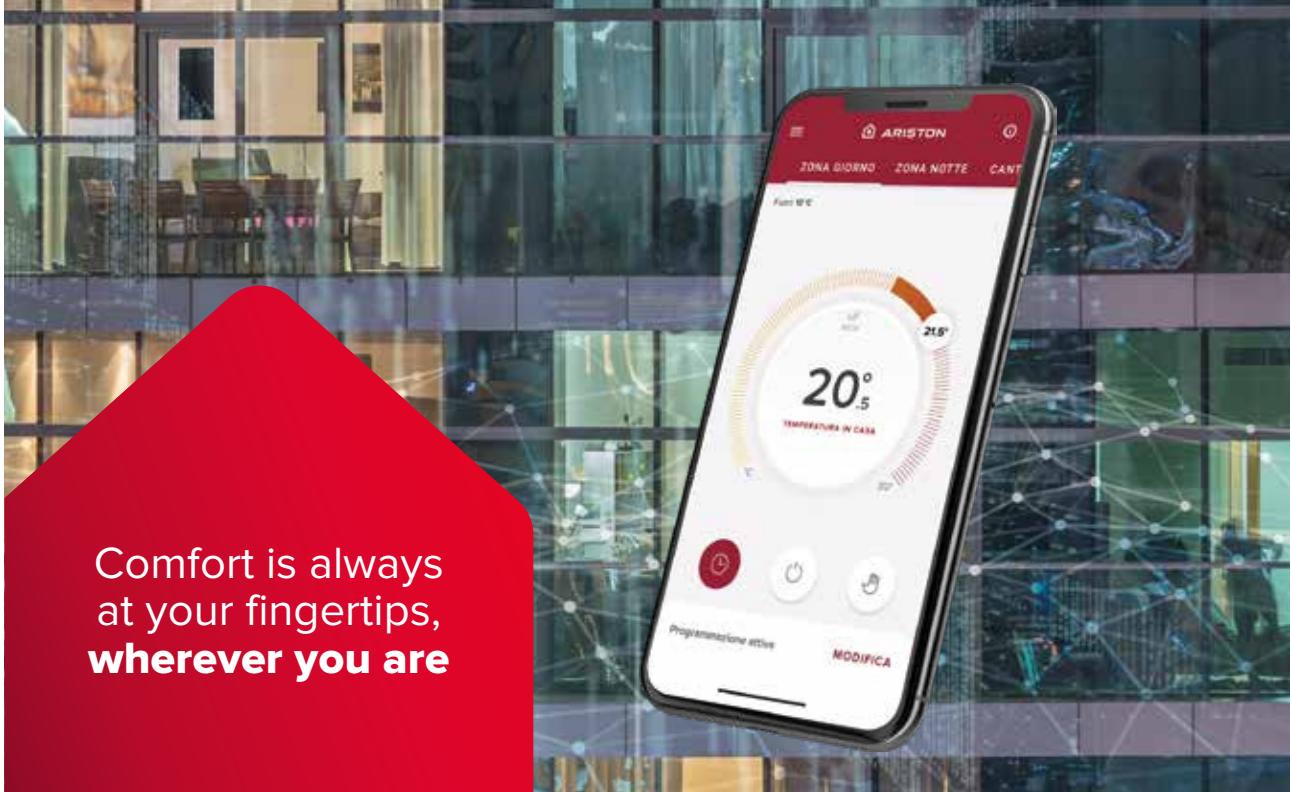
Real-time notifications
& Remote assistance**

** Remote assistance is available through subscription to an Ariston NET after-sales service.
Availability varies by country.

Free Download
Ariston NET App on:

[Download on the App Store](#) [Google play](#)

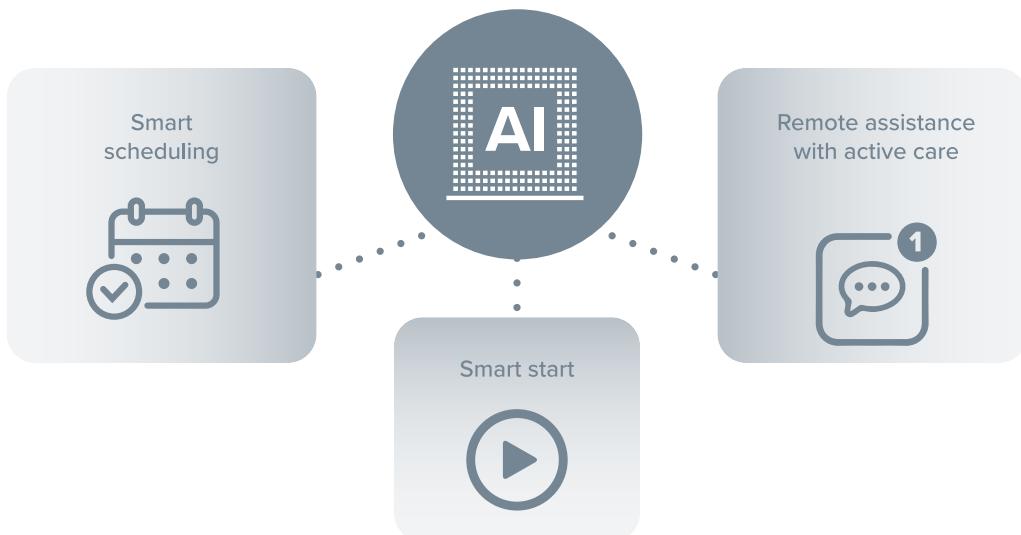
* Works with



Comfort is always
at your fingertips,
wherever you are

Home gets smarter, life gets simpler. With AI-powered comfort

With the new AI capabilities offered by Ariston NET, the benefits of smart comfort become even greater.



Smart scheduling: If you want, the boiler can learn from your habits and provide a tailor-made weekly schedule that self-adjusts to meet your changing needs.

Optimum start: When this function is active, Ariston NET is able to recognize your home's thermal characteristics and start to preheat the home accordingly. That means the desired temperature when you need it, with minimal consumption.

Remote assistance with active care: If you subscribe to Ariston NET's remote assistance, your service centre will be able to monitor your system and correct faults before you experience any inconvenience. Thanks to AI, Ariston NET can even predict a drop in water pressure and inform you beforehand via a notification.

Premium Design

Perfect for your home

One+ NET boilers stand out for their exclusive and patented design, characterized by distinctive lines and sleek materials. Besides, they boast hi-tech interface that will make managing your home heating and a more seamless pleasant experience.

Italian contemporary look

Engineered and produced in Italy, the new One+ NET boiler is a contemporary and captivating creation of Umberto Palermo, the Italian designer behind all our award-winning products.





Elegant finishes



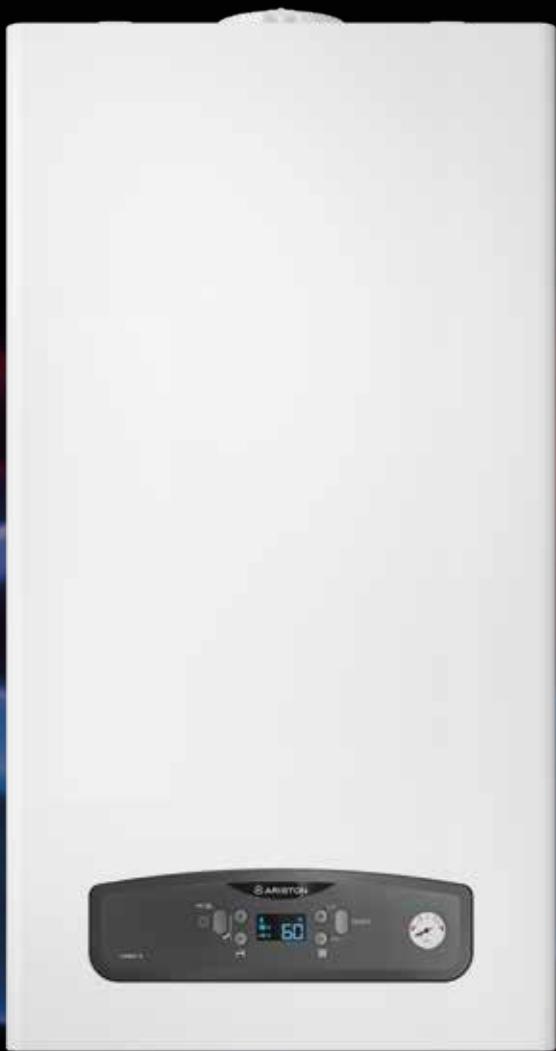
Glass frontal panel tempered
and scratch-resistant



LCD display with full text
and intuitive menu

Cares S

comfort made easy



The Cares S gas condensing boiler boasts a new stainless-steel heat exchanger for better heating and improved durability. Its 1:5 modulation ratio means it can adapt to provide the desired heating while simultaneously ensuring more efficient energy performance. Not only is this boiler more efficient, but it also offers more eco-friendly performances thanks to lower NOx emissions.

Featuring a new modern design with sturdy metal body, clear LCD display, responsive controls and the hydrometer probe mounted in the front, Cares S is both pleasant to look at and easy to control and manage.

Stainless steel Heat exchanger

Durable heating

The new stainless-steel heat exchanger is designed to deliver stable long-lasting performance and improved durability. This will provide you the long-term assurance of quality and reliability every day.

Wider modulation ratio

More energy efficient

Cares S has been designed to operate on a modulation ratio of 1:5. That makes the product more energy efficient and thus can help you optimize your energy use.

Lower NOx emissions

More eco-friendly

Cares S is also an easy solution to help you reduce your environmental impact. Indeed, the boiler achieves low NOx emissions complying with Class 6 requirements.

Everlasting Quality

The Ariston quality starts from within

Thanks to its durable, high-quality core components and materials, Cares S is able to work in difficult weather conditions and ensure stable performance for longer. Before coming to you, all boilers are carefully and strictly tested on quality, efficiency and safety using a fully-automated process with instantaneous tracking capabilities.

New modern design

A refreshed look

The boiler features an upgraded modern design and a sturdy metal body that will make the product look good in any home.

User-friendly interaction

Ease of use

The easy-to-read LCD display, responsive controls and the hydrometer mounted in the front of the product make controlling your Cares S boiler and managing its water pressure easier than ever.

Condensing Boilers



	ALTEAS ONE+ NET			GENUS ONE			GENUS ONE SYSTEM							
	24	30	35	24	30	35	12	18	24	30	35			
SPACE HEATING ENERGY CLASS	A+*			A			A							
WATER HEATING ENERGY CLASS	A - XL		A - XXL	A - XL		A - XXL	-							
CONNECTIVITY	Built into the boiler			<small>READY FOR</small> with optional kit			<small>READY FOR</small> with optional kit							
DISPLAY	Large touchscreen display			Large touchscreen display			Large touchscreen display							
MODULATION	1:10			1:10			1:5	1:7	1:10					
HI-COMFORT FUNCTION	AUTO, Comfort, CARE			AUTO, Comfort, CARE			AUTO, CARE							
GAS TYPE	NG, LPG			NG, LPG			NG, LPG							
PAGE	40			42			44							



CLAS ONE			CLAS ONE SYSTEM		CARES S		CLAS B ONE	
24	30	35	24	35	24	30	24	35
A			A		A	A	A	
A - XL	A - XXL	-			A - XL	A - XL	A - XL	A - XXL
with optional kit	with optional kit	with optional kit	with optional kit					
Large display, keys	Large display, keys			Mini LCD display, keys			Wide LCD Display	
1:7	1:7			1:5			1:7	
AUTO, Comfort	AUTO			-			AUTO, Comfort	
NG, LPG with optional kit	NG, LPG with optional kit			NG, LPG with optional kit			NG, LPG with optional kit	
46	48			50 - 53 (heating only version)			54	

* A+ achieved as a result of thermal regulation

** 30 and 35 kW model depth: 385 mm

Alteas One+ NET



Top of the range condensing boiler
italian designed and integrated connectivity

- / All-around comfort: new Ignition and Flow Control System+ for constant heating in every room with safety and precision but decreased noise perception by 50%.
- / Reduced consumption and environmental friendly: in A+ class heating, with H2 compatibility up to 20%.
- / Elegant italian design to match any home
- / Simplified control: via smartphone with Ariston NET intuitive app.

Energy Class



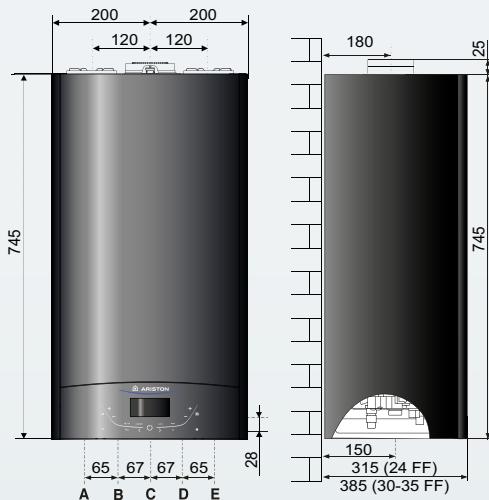
Features:

- / Large touchscreen display
- / Scratch proof tempered glass
- / Stainless steel Xtratech heat exchanger (+142% increased flow sections)
- / New Flow control + system
- / Busbridge net communication protocol
- / Auto, Comfort, Holiday and automatic scheduled maintenance reminder
- / Modulation ratio 1:10
- / Installation in partially protected areas

XtraTech™ stainless steel
heat exchanger



TÜV RHEINLAND
GROUP
PERFORMANCE
CERTIFICATE
www.tuv.com
ID 0000056520



KEY

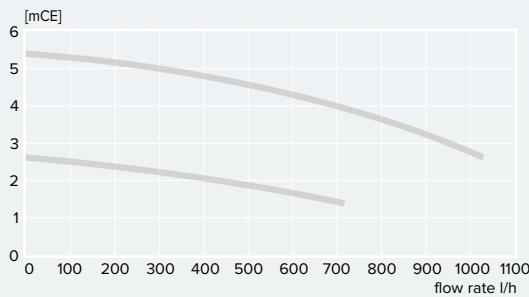
- A \ System flow Ø 3/4" gas
- B \ Domestic hot water outlet Ø 1/2" gas
- C \ Gas inlet Ø 3/4" gas
- D \ Domestic hot water intake Ø 1/2" gas
- E \ System return Ø 3/4" gas



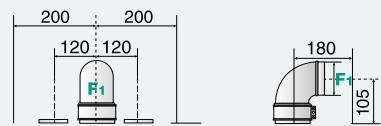
Sensys HD
included



Boiler residual head



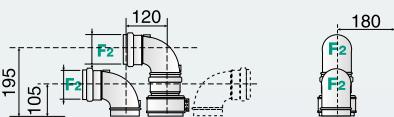
Version - Coaxial exhaust



Maximum flue gas/air generation:

Ø60/100: up to 8m (24 kW) - up to 5m (30 kW and 35 kW)
Ø80/125: up to 21m (24 kW) - up to 14m (30 kW and 35 kW)

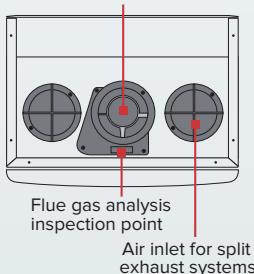
Versions - Split exhaust



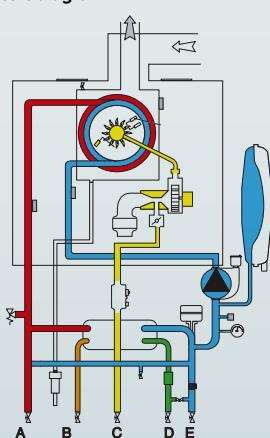
Maximum flue gas/air generation:

Ø80/80: 38 (24 kW) - 28 (30 kW) - 29 (35kW)
Ø60/60: 7 (24 kW) - 5 (30-35kW)

Coaxial inlet/exhaust manifold



Hydraulic circuit diagram



Description

ALTEAS ONE NET 24
ALTEAS ONE NET 30 - 35

N° of boilers per pallet

14
12

TECHNICAL DATA

24

30

35

GENERAL

EC certification no. 0085CU20034
Boiler type C13(X)-C23-C33(X)-C43(X)-C53(X)-C63(X)C83(X)-C93(X) B23-B23P-B33

POWER SPECIFICATIONS

Max/min nominal calorific flow rate (Pci) Qn	kW	22.0/2.5	28.0/3.0	31.0/3.5
Max/min nominal calorific flow rate (Pcs) Qn	kW	24.4/2.9	31.1/3.3	34.4/3.9
Domestic hot water max/min nominal calorific flow rate (Pci) Qn	kW	26.0/2.6	30.0/3.0	34.5/3.5
Domestic hot water max/min nominal calorific flow rate (Pcs) Qn	kW	28.9/2.9	33.3/3.3	38.3/3.9
Max/min power output (80°C-60°C) Pn	kW	21.5/2.5	27.5/2.8	30.8/3.3
Max/min power output (50°C-30°C) Pn	kW	23.6/2.7	30.3/3.1	34.0/3.6
Domestic hot water max/min power output Pn	kW	24.9/2.5	28.7/2.9	33.1/3.4
Combustion efficiency (of flue gas)	%	97.9	97.9	97.9
Nominal calorific flow rate efficiency (60/80°C) Hi/Hs	%	98.2/88.4	98.6/88.8	98.1/88.3
Nominal calorific flow rate efficiency (30/50°C) Hi/Hs	%	107.3/96.6	108.3/97.6	107.8/97.1
Efficiency at 30% at 30°C (condensation) Hi/Hs	%	109.5/98.6	109.3/98.5	109.4/98.5
Minimum calorific flow rate efficiency (60/80°C) Hi/Hs	%	95.1/85.6	94.6/85.2	94.2/84.8
Efficiency rating (dir. 92/42/EEC)	stars	★★★★		
Loss of burner gas when operating	%	2.1	2.1	2.1

EMISSIONS

Available air pressure	Pa	100		
NOx class	class	6		
Flue gas temperature (G20) (80°C-60°C)	°C	61	61	61
CO2 content (G20) (80°C-60°C)	%	9.0/7.7		
CO content (0%O2) (80°C-60°C)	ppm	112	107	94
CO2 content (G20) (80°C-60°C)	%	5.0	4.9	5.5
Maximum flue gas flow (G20) (80°C-60°C)	kg/h	44.1	50.8	60.2
Excess air (80°C-60°C)	%	31	31	35

HEATING CIRCUIT

Expansion chamber inflation pressure	bar	1		
Maximum heating pressure	bar	3		
Expansion chamber capacity	l	8		
Min/max heating temperature (high temperature range)	°C	35/82		
Min/max heating temperature (low temperature range)	°C	20/45		

DOMESTIC HOT WATER

Domestic hot water max/min temperature	°C	36/60		
Specific flow rate of domestic hot water ($\Delta T=30°C$)	l/min	12.8	14.3	16.5
Quantity of hot water $\Delta T=25°C$	l/min	15.4	17.2	19.8
Quantity of hot water $\Delta T=35°C$	l/min	11.0	12.3	14.1
Hot water comfort rating (EN13203)	stars	★★★		
Hot water minimum flow rate	l/min	2	2	2
Domestic hot water max/min pressure	bar	7.0/0.2		

ELECTRICAL

Power supply frequency/voltage	V/Hz	230/50		
Total electrical power absorbed	W	82	83	82
Circulation Pump energy efficiency index		EEI≤0,20		
Minimum ambient temperature for use	°C	0		
Protection level for the electrical appliance	IP	X5D		
Weight	kg	32	34	36

CODE

	3301771*	3301772	3301773
Energy class	A	A	A
Domestic hot water production energy class	A	A	A
Consumption profiles	XL	XL	XXL

For complete list of accessories see from page 120 on.

Genus One



Top of the range condensing boiler with connectivity capabilities.

- / Long-lasting, high performances: with stainless steel Xtratech heat exchanger, with +142% increased flow sections.
- / Reduced consumption: A+ class heating achievable with thermal regulation.
- / Simplified control via smartphone with Ariston NET intuitive app (enabled with connected thermostat).

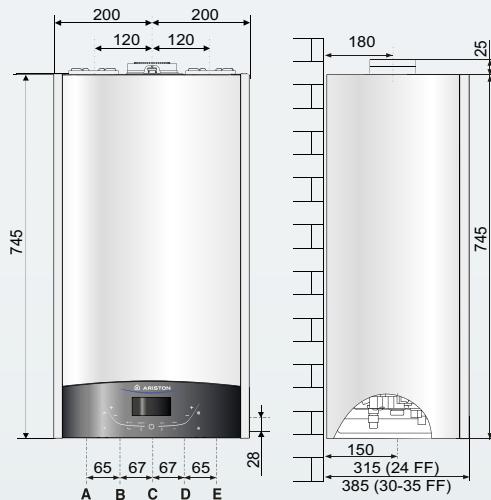
Energy Class



Features:

- / Large touchscreen display
- / Busbridge net communication protocol
- / Auto, Comfort, Holiday and automatic scheduled maintenance reminder
- / Internal sound absorbing panels
- / Modulation ratio 1:10
- / Electronic combustion control
- / Installation in partially protected areas
- / Flue gas discharge 80, 60

XtraTech™ stainless steel heat exchanger



KEY

- A \ System flow Ø 3/4" gas
- B \ Domestic hot water outlet Ø 1/2" gas
- C \ Gas inlet Ø 3/4" gas
- D \ Domestic Hot water intake Ø 1/2" gas
- E \ System return Ø 3/4" gas





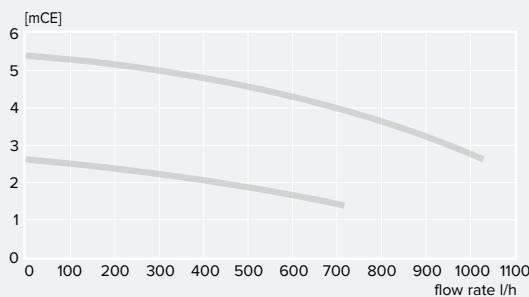
TECHNICAL DATA

24

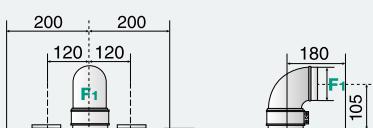
30

35

Boiler residual head



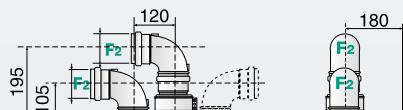
Version - Coaxial exhaust



Maximum flue gas/air generation:

Ø60/100: up to 8 m (24 kW) - 7 m (30 kW) - 6 m (35 kW)
Ø80/125: up to 21 m (24 kW) - 20 m (30 kW) - 24 m (35 kW)

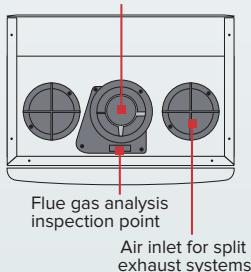
Versions - Split exhaust



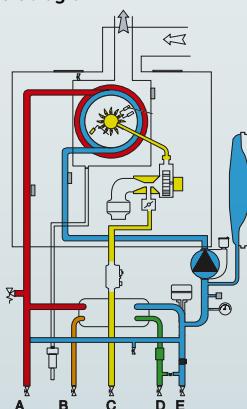
Maximum flue gas/air generation:

Ø80/80: up to 60 m (24-30 kW) - 45 m (35 kW)
Ø60/60: up to 16 m (24 kW) - 12 m (30 kW) - 14 m (35 kW)

Coaxial inlet/exhaust manifold



Hydraulic circuit diagram



Description

GENUS ONE 24
GENUS ONE 30 - 35

N° of boilers per pallet

14
12

GENERAL

EC certification no.

0085CR0394

Boiler type

C13(X)-C23-C33(X)-C43(X)-C53(X)-C63(X)-C83(X)-C93(X) B23-B23P-B33

POWER SPECIFICATIONS

Max/min nominal calorific flow rate (Pci) Qn	kW	22.0/2.5	28.0/3.0	31.0/3.5
Max/min nominal calorific flow rate (Pcs) Qn	kW	24.4/2.8	31.1/3.0	34.4/3.9
Domestic hot water max/min nominal calorific flow rate (Pci) Qn	kW	26.0/2.5	30.0/3.0	34.5/3.5
Domestic hot water max/min nominal calorific flow rate (Pcs) Qn	kW	28.9/2.8	33.3/3.3	38.3/3.9
Max/min power output (80°C-60°C) Pn	kW	21.5/2.3	27.5/2.8	30.3/3.3
Max/min power output (50°C-30°C) Pn	kW	23.6/2.6	30.3/3.1	33.5/3.6
Domestic hot water max/min power output Pn	kW	24.9/2.4	28.7/2.9	33.1/3.4
Combustion efficiency (of flue gas)	%	97.4	97.8	97.8
Nominal calorific flow rate efficiency (60/80°C) Hi/Hs	%	97.7/87.9	98.4/88.6	97.7/88.0
Nominal calorific flow rate efficiency (30/50°C) Hi/Hs	%	107.4/96.7	108.3/97.5	108.0/97.2
Efficiency at 30% at 30°C (condensation) Hi/Hs	%	109.8/98.9	109.5/98.6	109.5/98.6
Minimum calorific flow rate efficiency (60/80°C) Hi/Hs	%	91.1/82.0	93.0/83.8	93.5/84.2
Efficiency rating (dir. 92/42/EEC)	stars	★★★		
Loss of burner gas when operating	%	2.6	2.2	2.2

EMISSIONS

Available air pressure	Pa	100	100	100
NOx class	class		5	
Flue gas temperature (G20) (80°C-60°C)	°C	70	66	66
CO2 content (G20) (80°C-60°C)	%	8.8	8.8	8.8
CO content (%O2) (80°C-60°C)	ppm	80.1	102.2	98.8
CO2 content (G20) (80°C-60°C)	%	5.4	3.8	4.5
Maximum flue gas flow (G20) (80°C-60°C)	kg/h	44.9	47.6	55.7
Excess air (80°C-60°C)	%	34	22	27

HEATING CIRCUIT

Expansion chamber inflation pressure	bar	1
Maximum heating pressure	bar	3
Expansion chamber capacity	l	8
Min/max heating temperature (high temperature range)	°C	35/82
Min/max heating temperature (low temperature range)	°C	20/45

DOMESTIC HOT WATER

Domestic hot water max/min temperature	°C	36/60
Specific flow rate of domestic hot water ($\Delta T=30^\circ\text{C}$)	l/min	12.8
Quantity of hot water $\Delta T=25^\circ\text{C}$	l/min	15.4
Quantity of hot water $\Delta T=35^\circ\text{C}$	l/min	11.0
Hot water comfort rating (EN13203)	stars	★★★
Hot water minimum flow rate	l/min	2
Domestic hot water max/min pressure	bar	7.0/0.2

ELECTRICAL

Power supply frequency/voltage	V/Hz	230/50
Total electrical power absorbed	W	80
Minimum ambient temperature for use	°C	5
Protection level for the electrical appliance	IP	X5D
Weight	kg	29.7
		32.3
		34.6

CODE



3301018 3301019 3301020

Energy class	A	A	A
Domestic hot water production energy class	A	A	A
Consumption profiles	XL	XL	XXL

For complete list of accessories see from page 120 on.

Genus One System



Top of the range condensing boiler,
for heating only

- / Long-lasting, high performances: with stainless steel Xtratech heat exchanger, with +142% increased flow sections.
- / Reduced consumption: A+ class heating achievable with thermal regulation.
- / Simplified control via smartphone with Ariston NET intuitive app (enabled with connected thermostat).

Energy Class



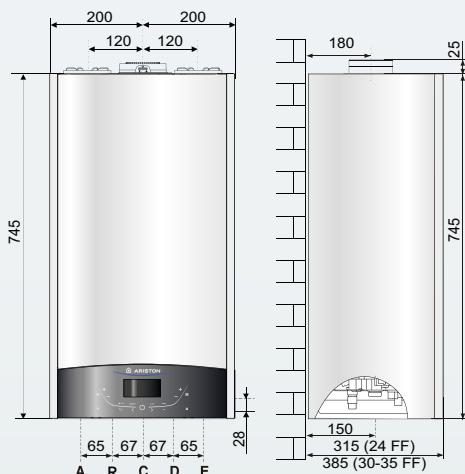
Features

- / Large touchscreen display
- / Busbridge net communication protocol
- / Auto, Comfort, Holiday and automatic scheduled maintenance reminder
- / Internal sound absorbing panels
- / Modulation ratio 1:10
- / Electronic combustion control
- / Installation in partially protected areas
- / Flue gas discharge 80, 60

XtraTech™ stainless steel
heat exchanger



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KEY

- A \ System flow Ø 3/4" gas
- B \ Domestic hot water outlet Ø 1/2" gas
- C \ Gas inlet Ø 3/4" gas
- D \ Domestic Hot water intake Ø 1/2" gas
- E \ System return Ø 3/4" gas

(Boiler not included)





Boiler residual head

flow rate l/h	Boiler residual head [mCE]
100	5.5
200	5.0
300	4.5
400	4.0
500	3.5
600	3.0
700	2.5
800	2.2
900	2.0
1000	1.8
1100	1.6

Version - Coaxial exhaust

Maximum flue gas/air generation:
Ø60/100: up to 26 (12 kW) - 8 m (18-24 kW) - 7 m (30 kW) - 6 m (35 kW)
Ø80/125: up to 21 (12 kW) - 21 m (24-30 kW) - 24 m (35 kW)

Versions - Split exhaust

Maximum flue gas/air generation:
Ø80/80: up to 50 m (12-18 kW) - 60 m (24-30 kW) - 45 m (35 kW)
Ø60/60: up to 36 m (12 kW) - 14 m (18 kW) - 16 m (24 kW) - 12 m (30 kW) - 14 m (35 kW)

Coaxial inlet/exhaust manifold

Hydraulic circuit diagram

Description	N° of boilers per pallet
GENUS ONE SYSTEM 24	14
GENUS ONE SYSTEM 30 - 35	12

TECHNICAL DATA	12	18	24	30	35	
GENERAL						
EC certification no.	0085CR0394					
Boiler type	C13(X)-C23-C33(X)-C43(X)-C53(X)-C63(X) C83(X)-C93(X) B23-B23P-B33					
POWER SPECIFICATIONS						
Max/min nominal calorific flow rate (Pci) Qn	kW	12.0/2.5	18.0/2.5	22.0/2.5	28.0/3.0	31.0/3.5
Max/min nominal calorific flow rate (Pcs) Qn	kW	13.3/2.8	20.0/2.8	24.4/2.8	31.1/3.0	34.4/3.9
Domestic hot water max/min nominal calorific flow rate (Pci) Qn	kW	12.0/2.5	18.0/2.5	26.0/2.5	30.0/3.0	34.5/3.5
Domestic hot water max/min nominal calorific flow rate (Pcs) Qn	kW	13.3/2.8	20.0/2.8	28.9/2.8	33.3/3.3	38.3/3.9
Max/min power output (80°C-60°C) Pn	kW	11.8/2.3	17.5/2.3	21.5/2.3	27.5/2.8	30.3/3.3
Max/min power output (50°C-30°C) Pn	kW	13.0/2.6	19.5/2.6	23.6/2.6	30.3/3.1	33.5/3.6
Domestic hot water max/min power output Pn	kW	11.5/2.6	17.3/2.3	24.9/2.4	28.7/2.9	33.1/3.4
Combustion efficiency (of flue gas)	%	98.2	97.9	97.4	97.8	97.8
Nominal calorific flow rate efficiency (60/80°C) Hi/Hs	%	98.2/88.4	97.4/87.7	97.7/87.9	98.4/88.6	97.7/88.0
Nominal calorific flow rate efficiency (30/50°C) Hi/Hs	%	108.4/97.6	108.1/97.4	107.4/96.7	108.3/97.5	108.0/97.2
Efficiency at 30% at 30°C (condensation) Hi/Hs	%	109.3/98.4	109.6/98.7	109.8/98.9	109.5/98.6	109.5/98.6
Minimum calorific flow rate efficiency (60/80°C) Hi/Hs	%	92.8/83.6	91.9/82.9	91.1/82.0	93.0/83.8	93.5/84.2
Efficiency rating (dir. 92/42/EEC)	stars	★★★★★				
Loss of burner gas when operating	%	1.8	2.1	2.6	2.2	2.2
EMISSIONS						
Available air pressure	Pa	100	100	100	100	100
NOx class	class			5		
Flue gas temperature (G20) (80°C-60°C)	°C	56	62	70	66	66
CO2 content (G20) (80°C-60°C)	%	8.8	8.8	8.8	8.8	8.8
CO content (0%O2) (80°C-60°C)	ppm	39.2	63.5	80.1	102.2	98.8
CO2 content (G20) (80°C-60°C)	%	5.1	5.4	5.4	3.8	4.5
Maximum flue gas flow (G20) (80°C-60°C)	kg/h	20.5	31.3	44.9	47.6	55.7
Excess air (80°C-60°C)	%	32	34	34	22	27
HEATING CIRCUIT						
Expansion chamber inflation pressure	bar			1		
Maximum heating pressure	bar			3		
Expansion chamber capacity	l			8		
Min/max heating temperature (high temperature range)	°C			35/82		
Min/max heating temperature (low temperature range)	°C			20/45		
ELECTRICAL						
Power supply frequency/voltage	V/Hz			230/50		
Total electrical power absorbed	W	67	61	80	91	82
Minimum ambient temperature for use	°C			> 0		
Protection level for the electrical appliance	IP			X5D		
Weight	kg	29.7	29.7	29.7	32.3	34.6
CODE						
ErP ENERGY RELATED PRODUCTS	3301025	3301026	3301027	3301028	3301029	
Energy class	A	A	A	A	A	

For complete list of accessories see from page 120 on.

Clas One



Condensing boiler with wide range of functions

- / Long-lasting, high performances: with stainless steel Xtratech heat exchanger, with +142% increased flow sections.
- / Reduced consumption: A+ class heating achievable with thermal regulation.

Energy Class



Features

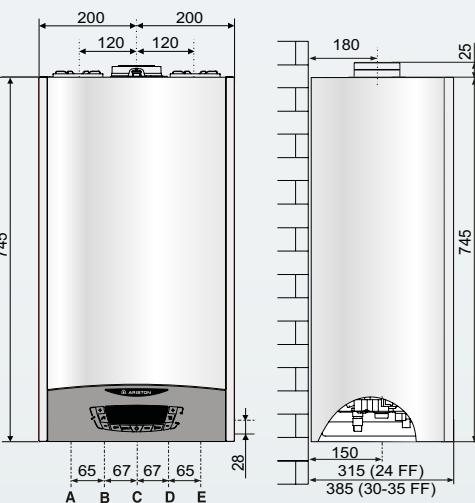
- / LCD display
- / Busbridge net communication protocol
- / Auto, Comfort functions
- / Optimised internal silencer
- / Modulation ratio 1:7
- / Installation in partially protected areas
- / Flue gas discharge 80, 60



XtraTech™ stainless steel
heat exchanger



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KEY

- A \ System flow Ø 3/4" gas
- B \ Domestic hot water outlet Ø 1/2" gas
- C \ Gas inlet Ø 3/4" gas
- D \ Domestic Hot water intake Ø 1/2" gas
- E \ System return Ø 3/4" gas





Boiler residual head

flow rate l/h	Boiler residual head [mCE]
0	5.5
100	5.2
200	4.8
300	4.4
400	4.0
500	3.6
600	3.2
700	2.8
800	2.5
900	2.2
1000	2.0
1100	1.8

Version - Coaxial exhaust

Maximum flue gas/air generation:
Ø60/100: up to 8 m (24 kW) - 7 m (30 kW) - 7 m (35 kW)
Ø80/125: up to 33 m (24 kW) - 24 m (30 kW) - 27 m (35 kW)

Versions - Split exhaust

Maximum flue gas/air generation:
Ø80/80: up to 60 m (24 kW) - 50 m (30 kW) - 35 m (35 kW)
Ø60/60: up to 14 m (24 kW) - 14 m (30 kW) - 12 m (35 kW)

Coaxial inlet/exhaust manifold

Hydraulic circuit diagram

Description	N° of boilers per pallet
CLAS ONE 24	14
CLAS ONE 30 - 35	12

TECHNICAL DATA

24

30

35

GENERAL

EC certification no.

0085CR0393

Boiler type

C13(X)-C23-C33(X)-C43(X)-C53(X)-C63(X)
C83(X)-C93(X) - B23-B23P-B33

POWER SPECIFICATIONS

Max/min nominal calorific flow rate (Pci) Qn	kW	22.0/3.7	28.0/4.3	31.0/5.0
Max/min nominal calorific flow rate (Pcs) Qn	kW	24.4/4.1	31.1/4.8	34.4/5.6
Domestic hot water max/min nominal calorific flow rate (Pci) Qn	kW	26.0/3.7	30.0/4.3	34.5/5.0
Domestic hot water max/min nominal calorific flow rate (Pcs) Qn	kW	28.9/4.1	33.3/4.8	38.3/5.6
Max/min power output (80°C-60°C) Pn	kW	21.4/3.4	27.4/3.9	30.2/4.7
Max/min power output (50°C-30°C) Pn	kW	23.6/3.9	30/4.5	33.5/5.3
Domestic hot water max/min power output Pn	kW	24.9/3.5	28.7/4.1	33.0/4.8
Combustion efficiency (of flue gas)	%	98	98	97.9
Nominal calorific flow rate efficiency (60/80°C) Hi/Hs	%	97.5/87.8	97.9/88.2	97.5/87.8
Nominal calorific flow rate efficiency (30/50°C) Hi/Hs	%	107.3/96.7	107.3/96.6	108.2/97.4
Efficiency at 30% at 30°C (condensation) Hi/Hs	%	109.8/98.9	109.6/98.7	109.6/98.7
Minimum calorific flow rate efficiency (60/80°C) Hi/Hs	%	93.1/83.8	91.1/82	93.3/84
Efficiency rating (dir. 92/42/EEC)	stars	★★★	★★★	★★★
Loss of burner gas when operating	%	2	2	2.1

EMISSIONS

Available air pressure	Pa	100	100	100
NOx class	class	5	5	5
Flue gas temperature (G20) (80°C-60°C)	°C	61	62	63
CO2 content (G20) (80°C-60°C)	%	9.2/8.9	9.2/8.9	9.2/8.9
CO content (0%O2) (80°C-60°C)	ppm	141.8	123.8	106.5
CO2 content (G20) (80°C-60°C)	%	3.9	4.2	4.3
Maximum flue gas flow (G20) (80°C-60°C)	kg/h	42.1	48.6	56.1
Excess air (80°C-60°C)	%	23	25	26

HEATING CIRCUIT

Expansion chamber inflation pressure	bar	1	1	1
Maximum heating pressure	bar	3	3	3
Expansion chamber capacity	l	8	8	8
Min/max heating temperature (high temperature range)	°C	35/82	35/82	35/82
Min/max heating temperature (low temperature range)	°C	20/45	20/45	20/45

DOMESTIC HOT WATER

Domestic hot water max/min temperature	°C	36/60	36/60	36/60
Specific flow rate of domestic hot water ($\Delta T=30^\circ\text{C}$)	l/min	12.1	14.5	16.7
Quantity of hot water $\Delta T=25^\circ\text{C}$	l/min	14.5	17.4	20
Quantity of hot water $\Delta T=35^\circ\text{C}$	l/min	10.4	12.5	14.3
Hot water comfort rating (EN13203)	stars	★★★	★★★	★★★
Hot water minimum flow rate	l/min	2	2	2
Domestic hot water max/min pressure	bar	7/0.2	7/0.2	7/0.2

ELECTRICAL

Power supply frequency/voltage	V/Hz	230/50	230/50	230/50
Total electrical power absorbed	W	104	114	115
Minimum ambient temperature for use	°C	> 0	> 0	> 0
Protection level for the electrical appliance	IP	X5D	X5D	X5D
Weight	kg	29.7	32.3	34.6

CODE

	3301021	3301022	3301023
Energy class	A	A	A
Domestic hot water production energy class	A	A	A
Consumption profiles	XL	XL	XXL

For complete list of accessories see from page 120 on.

Clas One System



Condensing boiler with wide range of functions, for heating only

- / Long-lasting, high performances: with stainless steel Xtratech heat exchanger, with +142% increased flow sections.
- / Reduced consumption: A+ class heating achievable with thermal regulation.

Energy Class



Features

- / LCD display
- / Busbridge net communication protocol
- / Auto, Comfort functions
- / Optimised internal silencer
- / Modulation ratio 1:7
- / Installation in partially protected areas
- / Flue gas discharge 80, 60

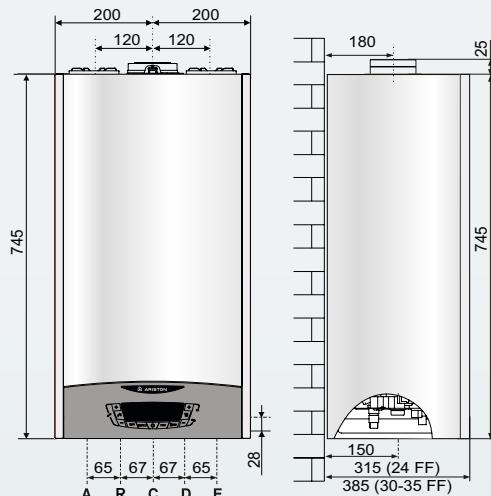
XtraTech™ stainless steel heat exchanger



TÜV RHEINLAND GROUP PERFORMANCE CERTIFICATE

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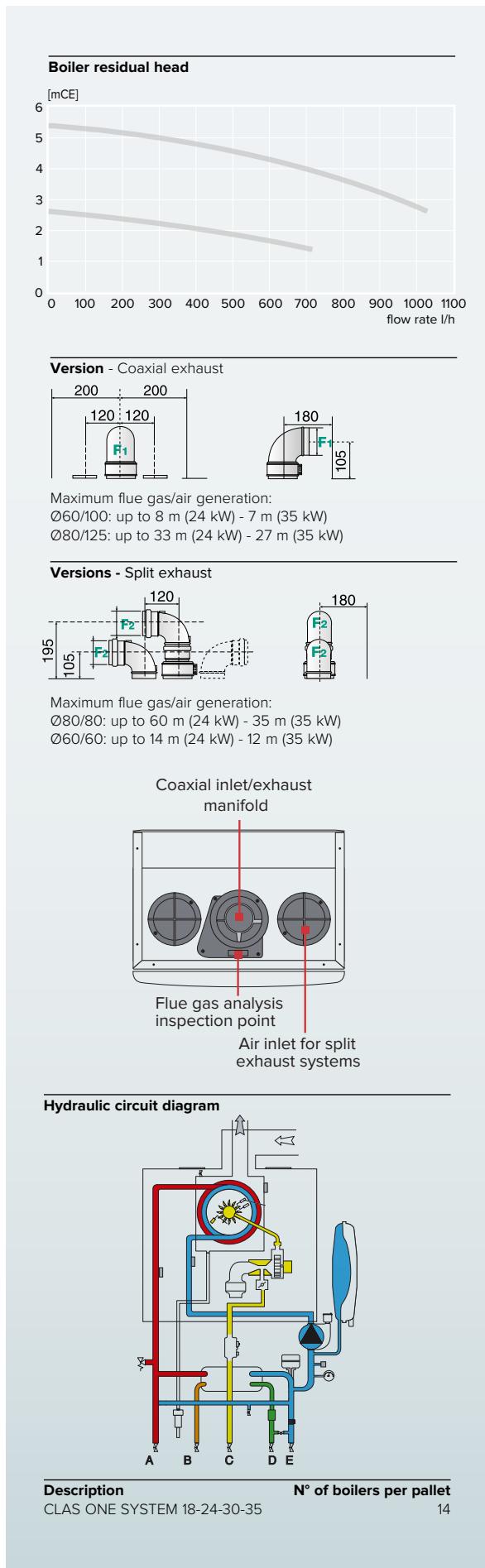
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KEY

- A \ System flow Ø 3/4" gas (boiler flow if installed)
- R \ Boiler return (if installed) Ø 1/2" gas
- C \ Gas inlet Ø 3/4" gas
- D \ System fill water inlet Ø 1/2" gas
- E \ System return Ø 3/4" gas (Boiler not included)





TECHNICAL DATA

18 24 30 35

GENERAL

EC certification no.	0085CR0393				
Boiler type	C13(X)-C23-C33(X)-C43(X)-C53(X)-C63(X) C83(X)-C93(X)-B23-B23P-B33				

POWER SPECIFICATIONS

Max/min nominal calorific flow rate (Pci) Qn	kW	18.0/3.7	22.0/3.7	28.0/4.3	31.0/5.0
Max/min nominal calorific flow rate (Pcs) Qn	kW	20.0/4.1	24.4/4.1	31.1/4.8	34.4/5.6
Domestic hot water max/min nominal calorific flow rate (Pci) Qn	kW	18.0/3.7	26.0/3.7	30.0/4.3	34.5/5.0
Domestic hot water max/min nominal calorific flow rate (Pcs) Qn	kW	20.0/4.1	28.9/4.1	33.3/4.8	38.3/5.6
Max/min power output (80°C-60°C) Pn	kW	17.6/3.4	21.4/3.4	27.4/3.9	30.2/4.7
Max/min power output (50°C-30°C) Pn	kW	19.4/3.9	23.6/3.9	30/4.5	33.5/5.3
Domestic hot water max/min power output Pn	kW	17.2/3.4	24.9/3.5	28.7/4.1	33.0/4.8
Combustion efficiency (of flue gas)	%	98.1	98	98	97.9
Nominal calorific flow rate efficiency (60/80°C) Hi/Hs	%	97.6/87.9	97.5/87.8	97.9/88.2	97.5/87.8
Nominal calorific flow rate efficiency (30/50°C) Hi/Hs	%	107.6/96.9	107.3/96.7	107.3/96.6	108.2/97.4
Efficiency at 30% at 30°C (condensation) Hi/Hs	%	109.4/98.5	109.8/98.9	109.6/98.7	109.6/98.7
Minimum calorific flow rate efficiency (60/80°C) Hi/Hs	%	93.1/83.8	93.1/83.8	91.1/82	93.3/84
Efficiency rating (dir. 92/42/EEC)	stars	★★★★			
Loss of burner gas when operating	%	1.9	2	2	2.1

EMISSIONS

Available air pressure	Pa	100	100	100	100
NOx class	class			5	
Flue gas temperature (G20) (80°C-60°C)	°C	60	61	62	63
CO2 content (G20) (80°C-60°C)	%		9.2/8.9		
CO content (0%O2) (80°C-60°C)	ppm	109.4	141.8	123.8	106.5
CO2 content (G20) (80°C-60°C)	%	4	3.9	4.2	4.3
Maximum flue gas flow (G20) (80°C-60°C)	kg/h	28.8	42.1	48.6	56.1
Excess air (80°C-60°C)	%	23	23	25	26

HEATING CIRCUIT

Expansion chamber inflation pressure	bar	1
Maximum heating pressure	bar	3
Expansion chamber capacity	l	8
Min/max heating temperature (high temperature range)	°C	35/82
Min/max heating temperature (low temperature range)	°C	20/45

ELECTRICAL

Power supply frequency/voltage	V/Hz	230/50			
Total electrical power absorbed	W	97	104	114	115
Minimum ambient temperature for use	°C		> 0		
Protection level for the electrical appliance	IP		X5D		
Weight	kg	29.7	29.7	32.3	34.6

CODE



3301030 3301031 3301035 3301032

Energy class

A A A A

For complete list of accessories see from page 120 on.

Cares S



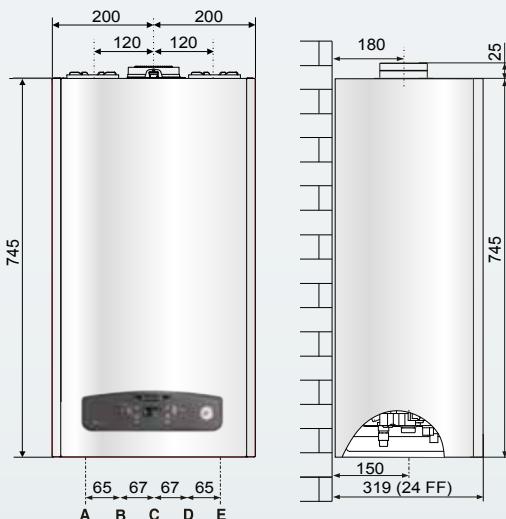
The essential condensing wall-hung boiler
for every home

/ Long-lasting performances: with stainless steel heat exchanger and frontal metal sheet.

Features

- / LCD display with silicon buttons
- / Frontal hydrometer to view pressure info
- / Busbridge net communication protocol
- / Modulation ratio 1:5
- / Compatible with collective flues in positive pressure (C10 Configuration)
- / Installation in partially protected areas
- / Flue gas discharge 50mm up to 27mt

Energy Class



KEY

- A \ Heating system flow Ø 3/4" G
- B \ Domestic hot water outlet Ø 1/2" G
- C \ Gas inlet Ø 3/4" G
- D \ Domestic hot water inlet Ø 1/2" G
- E \ Heating system return Ø 3/4" G

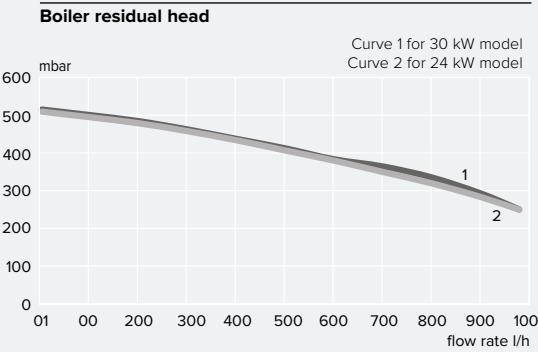




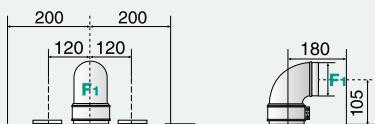
TECHNICAL DATA

24

30

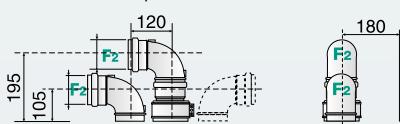


Version - Coaxial exhaust



Maximum lenght exhaust pipes gas side/air side
Ø60/100: up to 9 m (24 kW) - 5 m (30 kW)
Ø80/125: up to 22 m (24 kW) - 14 m (30 kW)

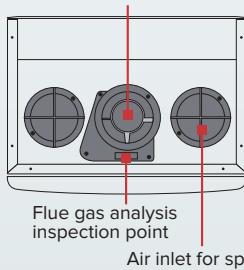
FF Versions - Split exhaust



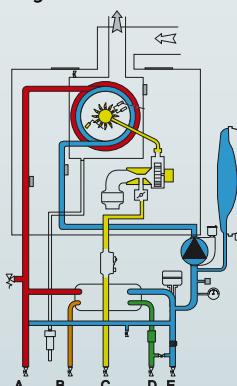
Maximum lenght exhaust pipes gas side/air side
Ø80/80: up to 33 m (24 kW) - 23 m (30 kW)
Ø60/60: up to 17 m (24 kW) - 10 m (30 kW)*

*set at maximum fan speed (RPM)

Coaxial inlet/exhaust manifold



Hydraulic circuit diagram



Description
CARES S

N° of boilers per pallet

14

CHAMBER

sealed

sealed

PERFORMANCES

Max/min nominal calorific flow rate (Pci) Qn	kW	20 / 4,7	24 / 5,8
Domestic hot water max/min nominal calorific flow rate (Pci) Qn	kW	23,5 / 4,7	29 / 5,8
Max/min power output (80°C-60°C) (Central Heating) Pn	kW	19,6 / 4,6	23,6 / 5,7
Max/min power output (50°C-30°C) (Central Heating) Pn	kW	21 / 4,9	25,6 / 6,1
Domestic hot water max/min power output Pn	kW	23 / 4,6	28,5 / 5,7
Combustion efficiency (of flue gas)	%	98,4	98,4
Nominal calorific flow rate efficiency (60/80°C) Hi/Hs	%	98 / 88,2	98,2 / 88,5
Nominal calorific flow rate efficiency (30/50°C) (condensation) Hi/Hs	%	105 / 94,6	106,5 / 95,9
Efficiency at 30% at 30°C (condensation) Hi/Hs	%	108,5 / 97,7	108,6 / 97,8
Minimum calorific flow rate efficiency (60/80°C) Hi/Hs	%	97,1 / 87,4	97,6 / 87,8
Efficiency star rating (Directive 92/42/EEC)	★★★★	★★★★	★★★★
Sedbuk Rating Band	A / 90,2	A / 90,4	A / 90,4
Heat losses of burner gas when operating	%	1,6	1,6

EMISSIONS

Residual discharge head	Pa	100	100
NOx class	class	6	6
Flue gas temperature (G20) (80°C-60°C)	°C	54	53
CO2 content (G20) (80°C-60°C) Max / min	%	9,4 / 8,9	9,4 / 8,9
CO content (%O2) (80°C-60°C) Max / min	ppm	178 / 6	181 / 7
O2 content (G20) (80°C-60°C)	%	3,7	3,7
Maximum flue gas flow (G20) (80°C-60°C)	kg/h	37	45,7
Excess air (80°C-60°C)	%	21	21

OPERATIONAL FEATURES

Methane gas supply pressure (G20)	mbar	20	20
-----------------------------------	------	----	----

HEATING CIRCUIT

Min/max heating temperature (high temperature range)	°C	35 / 82	35 / 82
Min/max heating temperature (low temperature range)	°C	20 / 45	20 / 45
Expansion vessel pre-charged pressure	bar	1	1
Maximum central heating circuit pressure	bar	3	3
Expansion vessel capacity	l	6,5	6,5

DOMESTIC HOT WATER CIRCUIT

Domestic hot water min/max temperature	°C	36/60	36/60
--	----	-------	-------

CONDENSATE

Max. condensate production [Condensate production [kg/h] 50/30 °C 100% Qrated]	l/h	1,8	2
Condensate PH	PH	2,38	2,38

ELECTRICAL DATA

Pressure/Power frequency	V/Hz	230/50	230/50
Total electrical power absorbed	W	62	64,7
Minimum ambient temperature for use	°C	0	0
Electrical system protection rating	IP	X5D	X5D

WEIGHT AND DIMENSIONS

Weight	kg	26	28
Dimensions (W x H x D)	mm	745 / 400 / 319	745 / 400 / 319

CODE

	3301637	3301638
Energy class	A	A
Domestic hot water production energy class	A	A
Consumption profiles	XL	XL

For complete list of accessories see from page 120 on.

Cares S System



The essential condensing wall-hung boiler
for every home, heating only

/ Long-lasting performances: with stainless steel
heat exchanger and frontal metal sheet.

Energy Class



Features

- / LCD display with silicon buttons
- / Frontal hydrometer to view pressure info
- / Busbridge net communication protocol
- / Modulation ratio 1:5
- / Nox class 6
- / Compatible with collective flues in positive
pressure (C10 Configuration)
- / Installation in partially protected areas
- / Flue gas discharge 50mm up to 27mt

Front View Dimensions:

Width	200
Frontal height	745
Frontal depth	200
Side height	745
Side depth	120
Bottom width	65
Bottom side height	67
Bottom side depth	65
Bottom side gap	120
Bottom side gap	120
Bottom side gap	180
Bottom side gap	25
Bottom side gap	150
Bottom side gap	319 (24 FF)

Side View Dimensions:

Width	200
Frontal height	745
Frontal depth	200
Side height	745
Side depth	120
Bottom width	65
Bottom side height	67
Bottom side depth	65
Bottom side gap	120
Bottom side gap	120
Bottom side gap	180
Bottom side gap	25
Bottom side gap	150
Bottom side gap	319 (24 FF)

KEY

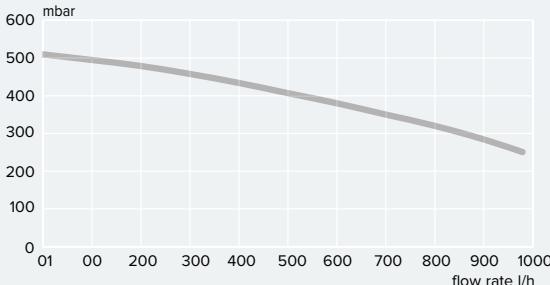
A \ Heating system flow (or tank flow if present) Ø 3/4" G
B \ Tank return (if present) Ø 1/2" G
C \ Gas inlet Ø 3/4" G
D \ Filling group Ø 1/2" G
E \ Heating system return Ø 3/4" G



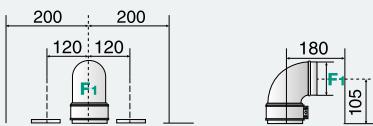
TECHNICAL DATA

24 SYS

Boiler residual head

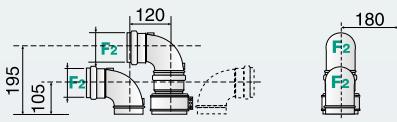


Version - Coaxial exhaust



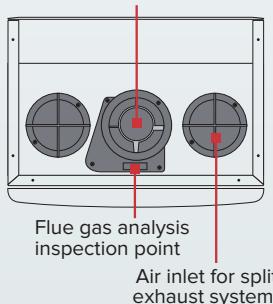
Maximum lenght exhaust pipes gas side/air side
Ø60/100: 9m
Ø80/125: 22m

FF Versions - Twin exhaust

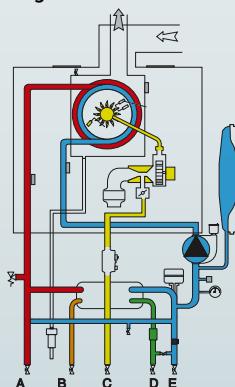


Maximum lenght exhaust pipes gas side/air side
Ø80/80: 33m
Ø60/60: 6m

Coaxial inlet/exhaust manifold



Hydraulic circuit diagram



Description
CARES S SYSTEM

N° of boilers per pallet

14

CHAMBER

sealed

PERFORMANCES

Max/min nominal calorific flow rate (Pci) Qn	kW	20 / 4,7
Domestic hot water max/min nominal calorific flow rate (Pci) Qn	kW	-
Max/min power output (80°C-60°C) (Central Heating) Pn	kW	19,6 / 4,6
Max/min power output (50°C-30°C) (Central Heating) Pn	kW	21 / 4,9
Domestic hot water max/min power output Pn	kW	-
Combustion efficiency (of flue gas)	%	98,4
Nominal calorific flow rate efficiency (60/80°C) Hi/Hs	%	98 / 88,2
Nominal calorific flow rate efficiency (30/50°C) (condensation) Hi/Hs	%	105 / 94,6
Efficiency at 30% at 30°C (condensation) Hi/Hs	%	108,5 / 97,7
Minimum calorific flow rate efficiency (60/80°C) Hi/Hs	%	97,1 / 87,4
Efficiency star rating (Directive 92/42/EEC)	★★★★	
Sedbuk Rating Band	A / 90,2	
Heat losses of burner gas when operating	%	1,6

EMISSIONS

Residual discharge head	Pa	100
NOx class	class	6
Flue gas temperature (G20) (80°C-60°C)	°C	54
CO2 content (G20) (80°C-60°C) Max / min	%	9,4 / 8,9
CO content (%O2) (80°C-60°C) Max / min	ppm	178 / 6
O2 content (G20) (80°C-60°C)	%	3,70
Maximum flue gas flow (G20) (80°C-60°C)	kg/h	31,5
Excess air (80°C-60°C)	%	21

OPERATIONAL FEATURES

Methane gas supply pressure (G20)	mbar	20
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HEATING CIRCUIT

Min/max heating temperature (high temperature range)	°C	35 / 82
Min/max heating temperature (low temperature range)	°C	20 / 45
Expansion vessel pre-charged pressure	bar	1
Maximum central heating circuit pressure	bar	3
Expansion vessel capacity	l	6,5

DOMESTIC HOT WATER CIRCUIT

Domestic hot water min/max temperature	°C	-
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CONDENSATE

Max. condensate production [Condensate production [kg/h] 50/30 °C 100% Qrated]	l/h	1,80
Condensate PH	PH	2,38

ELECTRICAL DATA

Pressure/Power frequency	V/Hz	230/50
Total electrical power absorbed	W	62,0
Minimum ambient temperature for use	°C	0
Electrical system protection rating	IP	X5D

WEIGHT AND DIMENSIONS

Weight	kg	26
Dimensions (W x H x D)	mm	745 / 400 / 319

CODE



3301636

Energy class	A
Domestic hot water production energy class	A
Consumption profiles	XL

For complete list of accessories see from page 120 on.

Clas B One



Condensing boiler with 40L integrated storage tank

- / Long-lasting, high performances: with stainless steel Xtratech heat exchanger, with +142% increased flow sections.
- / Reduced consumption: A+ class heating achievable with thermal regulation.
- / Hot water always on: with 2 stainless steel 20L stratified cylinders with optimized heating logic.

Energy Class



Features

- / LCD display
- / Busbridge net communication protocol
- / Auto, Comfort functions
- / Modulation ratio 1:7
- / Flue gas discharge 80, 60
- / Configured for DHW recirculation

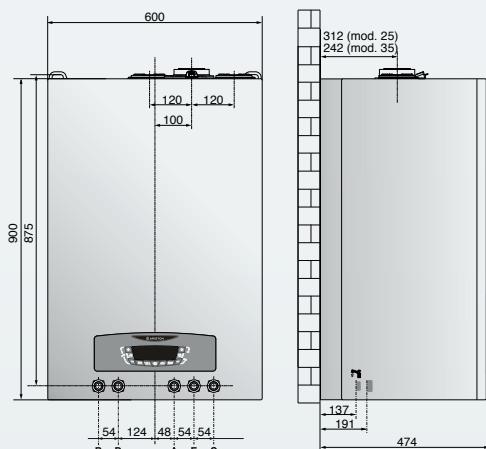
XtraTech™ stainless steel heat exchanger



TÜV RHEINLAND
GROUP
PERFORMANCE
CERTIFICATE

www.tuv.com

ID 0000056520



KEY

- A \ System delivery
- B \ Hot water outlet
- C \ Gas inlet
- D \ Cold water inlet
- E \ System return



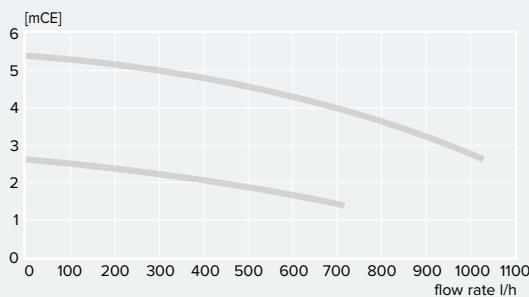


TECHNICAL DATA

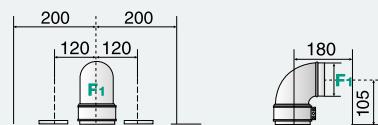
24

35

Boiler residual head



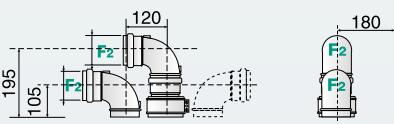
Version - Coaxial exhaust



Maximum flue gas/air generation:

Ø 60/100: up to 8 m (24 kW) - 7 m (35 kW)
Ø 80/125: up to 33 m (24 kW) - 27 m (35 kW)

Versions - Split exhaust



Maximum flue gas/air generation:

Ø 80/80: up to 60 m (24 kW) - 35 m (35 kW)
Ø 60/60: up to 14 m (24 kW) - 12 m (35 kW)

Description

N° of boilers per pallet

CLAS B ONE 25
CLAS B ONE 35

POWER SPECIFICATIONS

Max/min nominal calorific flow rate (Hi)	kW	22,0/3,7	31-mag
Max/min nominal calorific flow rate (Hs)	kW	24,4/4,1	34,4/5,6
Domestic hot water max/min nominal calorific flow rate (Hi)	kW	26,0/3,7	34,5/5
Domestic hot water max/min nominal calorific flow rate (Hs)	kW	28,9/4,1	38,3/5,6
Max/min power output (80°C-60°C)	kW	21,5/3,5	30,3/4,7
Max/min power output (50°C-30°C)	kW	23,4/3,9	33,5/5,2
Domestic hot water max/min power output	kW	25,4/3,6	33,8/4,9
Combustion efficiency (of flue gas)	%	97,9	97,9
Nominal calorific flow rate efficiency (60/80°C) Hi/Hs	%	97,7/88	97,9/88,1
Nominal calorific flow rate efficiency (30/50°C) Hi/Hs	%	106,1/95,6	108,1/97,3
Efficiency at 30% at 30°C Hi/Hs	%	109,8/98,9	109,8/98,8
Minimum calorific flow rate efficiency (60/80°C) Hi/Hs	%	95,6/86,1	93,2/83,9
Efficiency rating (dir. 92/42/EEC)		★★★★	★★★★
Sedbuk class	classe	A/90,1	A/90,2
Loss of burner gas when operating	%	2,1	2,1

EMISSIONS

Available air pressure	Pa	100	100
NoX class	class	6	6
Flue gas temperature (G20) (80°C-60°C)	°C	64	64
CO2 content (G20) (80°C-60°C)	%	9,2/8,7	9,2/8,7
CO content (0%O2) (80°C-60°C)	ppm	143/3	119/1
O2 content (G20) (80°C-60°C)	%	4,1	4,1
Maximum flue gas flow (G20) (80°C-60°C)	Kg/h	42	55,6
Excess air (80°C-60°C)	%	25	24

HEATING CIRCUIT

Expansion chamber inflation pressure	bar	1	1
Maximum heating pressure	bar	3	3
Expansion chamber capacity	l	6,5	6,5
Min/max heating temperature (high temperature range)	°C	35/82	35/82
Min/max heating temperature (low temperature range)	°C	20/45	20/45

DOMESTIC HOT WATER CIRCUIT

Domestic hot water max/min temperature	°C	65/36	35/82
Storage litrage	l	40	40
Specific flow rate of domestic hot water (10 min - ΔT=30°C)	l/min	18,8	22,1
Quantity of hot water ΔT=25°C	l/min	22,6	26,5
Quantity of hot water ΔT=35°C	l/min	16,1	18,9
Hot water comfort rating (EN13203)		★★★	★★★
Hot water minimum flow rate	l/min	2	2
Domestic hot water max/min pressure	bar	7/0,3	7/0,3

ELECTRICAL

Power supply frequency/voltage	V/Hz	230/50	230/50
Total electrical power absorbed	W	85,6	94,55
Minimum ambient temperature for use	°C	5	5
Protection level for the electrical appliance	IP	X5D	X5D
Weight	kg	60,2	64,6

CODE



3301211 3301212

Energy class	A	A
Tapping profile	XL	XXL

For complete list of accessories see from page 120 on.

A photograph of a smiling man with curly hair sitting on a couch. A young girl is sitting next to him, and a white dog is lying on the couch. The background shows a window with a view of greenery.

Westend61 on Offset

High power condensing gas boilers



Whether wall-hung or floor-standing, Ariston condensing boilers offer high efficiency performances and substantial energy savings through effective reuse of the heat produced in the combustion process. Easy and intuitive to use, they are the right choice for those who wish to reduce their energy bills and protect the environment.

► Genus Premium EVO HP

Genus Premium EVO HP

for all applications up to 1200 kW



Genus Premium EVO HP
45-65



Genus Premium EVO HP
85-100-115-150

Ariston high-power condensing boilers are designed for use in residential complexes, public buildings, commercial enterprises and industrial facilities.

Depending on the application, they can be installed individually or as cascade systems and integrated with hot water cylinders, multi-temperature zone control and solar heating systems.

There is a wide range of accessories for even more high-performance solutions.

Up to 6 boilers with in-line cascade installation, 8 boilers with front-to-back cascade installation

The solution for your residential & commercial projects

Example installation: residential building

location: **Rome**

Energy class: **G**

Type: **12-apartment condominium**

Surface area: **85 m² per apartment**

Fuel: **methane**

System type: **radiators**

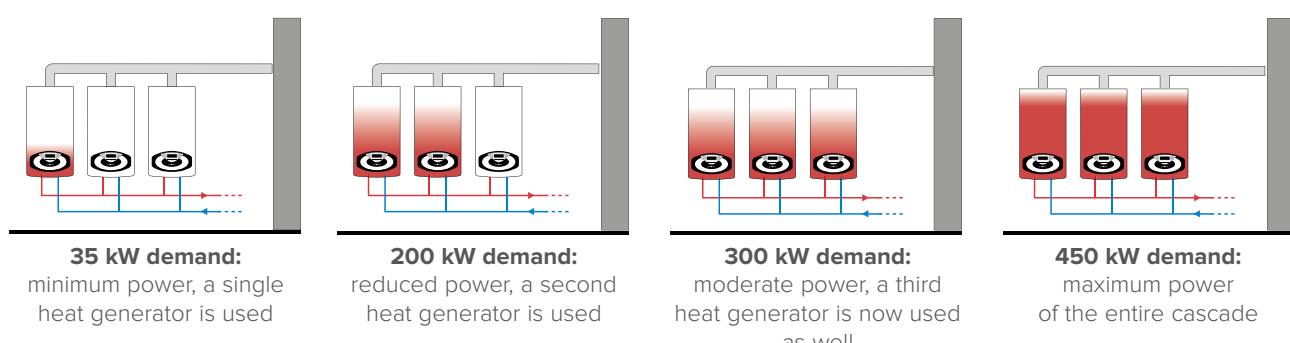


Boiler cascade controller: the safest and most efficient solution

This controller acts as the brain of the system, guaranteeing:

- / **Greater reliability:** when a single heat generator malfunctions or requires servicing, the others remain on line;
- / **Greater savings:** thanks to more efficient modulation of the individual heat generators;
- / **Greater service life:** the heat generators are used uniformly to ensure that they operate for the same number of hours in the long term.

Example of cascade installation of 3 Genus Premium Evo HP 150 EU



*Compared to a single conventional 130 kW boiler without temperature regulation.

Genus Premium Evo HP 45-65

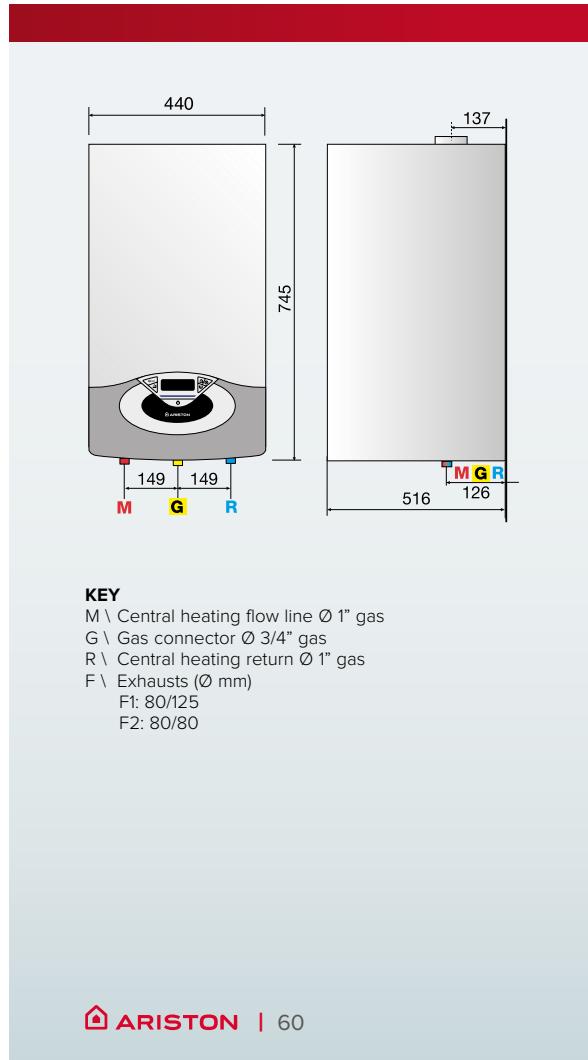


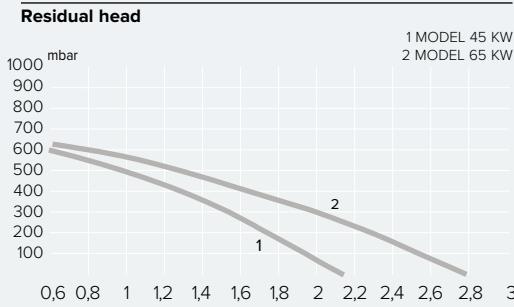
**High power condensing boiler,
heating only**

- / Flexible configuration: cascade installation both in line and back to back.
- / Optimal consumption: condensing technology which allows 35% energy saving.
- / Complete control via Sensys system interface.

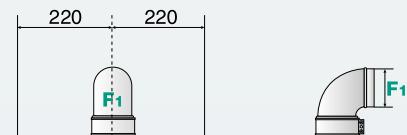
Features

- / Wide Dot Matrix Backlit LCD display
- / Busbridge net communication protocol
- / Auto function for constant temperature
- / Connect to external tank for hot water production
- / Low water pressure sensor
- / Anti-freezing and scale accumulation protection



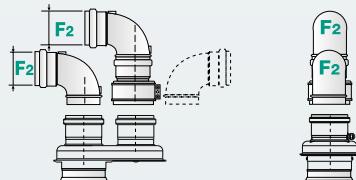


Version - Coaxial exhausts



Maximum pipe length:
Ø80/125: up to 12 m (45 kW) - 8 m (65 kW)

Version - Twin pipes exhausts



Maximum pipe length:
Ø80/80: up to 49 m (45 kW) - 30 m (65 kW)

TECHNICAL DATA

45

65

POWER SPECIFICATIONS

Max/min nominal calorific flow rate (H _i)	kW	41,0/12,2	58,0/17,4
Max/min nominal calorific flow rate (H _s)	kW	45,6/13,6	64,4/19,3
Max/min power output (80°C-60°C) (Central Heating)	kW	39,8/11,7	57,3/17,3
Max/min power output (50°C-30°C) (Central Heating)	kW	43,6/13,1	62,3/19,1
Max/min power output (40 °C - 30 °C)	kW	43,7/13,1	62,8/19,3
Combustion efficiency (of flue gas)	%	97,3	97,3
Nominal calorific flow rate efficiency (60/80°C) max/min	%	97,0/96,1	98,8/99,4
Nominal calorific flow rate efficiency (30/50°C) max/min	%	106,4/107,5	107,4/109,5
Nominal calorific flow rate efficiency (30/40 °C) max/min	%	106,5/107,7	108,2/110,0
Efficiency at 30% at 30°C	%	107,4	109,8
Efficiency at 30% at 47°C	%	104,8	105,3
Efficiency rating (dir. 92/42/EEC)	stars	★★★★	★★★★
Sedbuk Rating	band		
Loss when stopped ($\Delta T = 50^\circ\text{C}$)	%	0,24	0,24
Loss of burner gas when operating	%	2,8	2,8

EMISSIONS

Available air pressure	Pa	130	150
NOx class (Less than 70 mg/kWh)	class	5	5
Flue gas temperature (G20) (80°C-60°C)	°C	67/63	68/61
CO ₂ content (G20) max/min	%	9,0/8,4	9,0/8,4
CO ₂ content (G31) max/min	%	9,8/9,2	9,8/9,2
CO content (%O ₂) (80°C-60°C)	ppm	88	109
O ₂ content (G20)	%	4,8	4,8
Maximum flue gas flow (G20) (80°C-60°C)	m ³ /h	53	74
Excess air max load	%	27	27

HEATING CIRCUIT

Residual head DT = 20°C	mCa	2,2	1,1
Maximum/Minimum heating pressure	bar	4/0,7	4/0,7
Min/max heating temperature (high temperature range)	°C	35/82	35/82
Min/max heating temperature (low temperature range)	°C	20/45	20/45

DOMESTIC HOT WATER CIRCUIT

Domestic hot water min/max temperature	°C	40/60	40/60
--	----	-------	-------

ELECTRICAL

Power supply voltage/frequency	V/Hz	230/50	230/50
Total electrical power absorbed	W	148	198
Minimum ambient temperature for use	°C	+5	+5
Protection level for the electrical appliance	IP	IPX4D	IPX4D

CONDENSATE

Max condensate production (40°C- 30°C, max load - 20°C ambient)	l/h	8,8	13,4
Condensate pH		3,2	3,2
Weight	kg	45	50
Dimensions (DxWxH)	mm	440/910/510	440/910/510

CODE



3581564 3581565

Energy class

A A

Genus Premium Evo HP 85-100-115-150

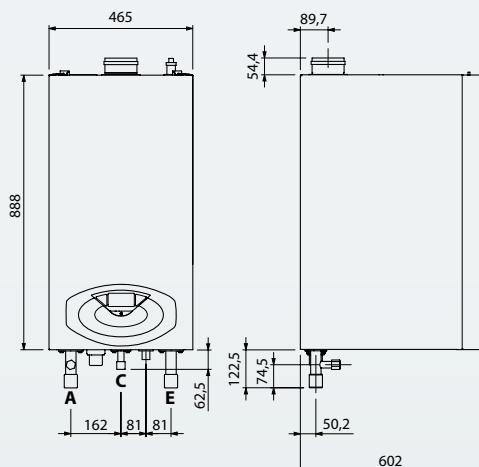


**Super high power condensing boiler,
heating only**

- / Flexible configuration: cascade installation both in line and back to back.
- / Optimal consumption: condensing technology which allows 35% energy saving plus possibility to have two speed pump (only 85-100kw) or full modulating pump as optional accessories (only 85 to 150kw).
- / Complete control via Sensys system interface.

Features

- / Wide Dot Matrix Backlit LCD display
- / Busbridge net communication protocol
- / Auto function for constant temperature
- / Connect to external tank for hot water production
- / Low water pressure sensor
- / Anti-freezing and scale accumulation protection



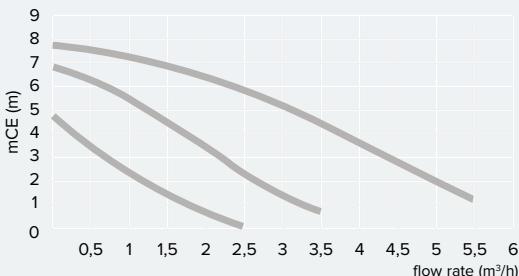
KEY

- A \ Central heating flow line
- C \ Gas connector
- E \ Central heating return
- F: \ Exhausts (Ø mm)
F1: 100
F2: 110/150

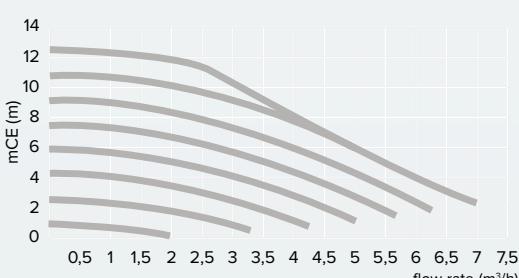




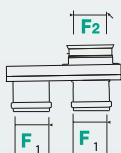
**Residual head
(modulating circulator as accessory)**



**Residual head
(full modulating circulator as accessory)**

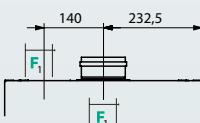


Version - Coaxial exhausts



Maximum pipe lenght:
Ø110/150 up to 5 m (only for 85-100)

Version - Twin pipes exhausts



Maximum pipe lenght:
Ø100/110: up to 49 m (85-100 kW)
up to 44 m (115 kW) - up to 28 m (150 kW)

TECHNICAL DATA

80 100 115 150

POWER SPECIFICATIONS

Max/min nominal calorific flow rate (H _i)	kW	80,0/20,0	88,3/22,1	109,0/27,3	140,0/35,0
Max/min nominal calorific flow rate (H _s)	kW	88,9/22,2	98,1/24,6	121,1/30,3	155,6/38,9
Max/min power output (80°C-60°C) (Central Heating)	kW	78,0/19,7	86,1/21,7	106,3/26,9	136,2/34,4
Max/min power output (50°C-30°C) (Central Heating)	kW	84,5/21,6	94,0/23,9	115,8/29,6	148,5/38,0
Max/min power output (40 °C - 30 °C)	kW	84,9/21,7	94,5/23,9	117,1/29,6	150,1/38,0
Combustion efficiency (of flue gas)	%	97,3	97,3	96,8	96,9
Nominal calorific flow rate efficiency (60/80°C) Max/min	%	97,5/98,4	97,5/98,4	97,3/98,4	97,3/98,4
Nominal calorific flow rate efficiency (30/50°C) Max/min	%	105,6/108,1	106,5/108,1	106,2/108,4	106,1/108,3
Nominal calorific flow rate efficiency (30/40 °C) Max/min	%	106,1/108,3	107,0/108,3	107,7/108,6	107,2/108,7
Efficiency at 30% at 30°C	%	108,1	108,1	108,3	108,5
Efficiency at 30% at 47°C	%	104,9	104,9	102,5	103,0
Efficiency rating (dir. 92/42/EEC)	stars	★★★★	★★★★	★★★★	★★★★
Sedbuk Rating	band				
Loss when stopped ($\Delta T = 50^\circ\text{C}$)	%	0,25	0,25	<0,15	<0,15
Loss of burner gas when operating	%	2,8	2,8	3,2	3,1

EMISSIONS

Available air pressure	Pa	140	140	180	200
NOx class (Less than 70 mg/kWh)	class	5	5	5	5
Flue gas temperature (G20) (80°C-60°C)	°C	61/63	68/63	76/65	74/63
CO ₂ content (G20) (max/min	%	9,0/8,4	9,0/8,4	9,0/8,4	9,0/8,4
CO ₂ content (G31) max/min	%	9,8/9,2	9,8/9,2	9,8/9,2	9,8/9,2
CO content (0%O ₂) (80°C-60°C)	ppm	95	90	117	131
O ₂ content (G20)	%	4,8	4,8	4,8	4,8
Maximum flue gas flow (G20) (80°C-60°C)	m ³ /h	102	113	143	182
Excess air max load	%	27	27	27	27

HEATING CIRCUIT

Maximum/Minimum heating pressure	bar	6/0,7	6/0,7	6/0,7	6/0,7
Min/max heating temperature (high temperature range)	°C	35/82	35/82	35/85	35/85
Min/max heating temperature (low temperature range)	°C	20/45	20/45	20/45	20/45

DOMESTIC HOT WATER CIRCUIT

Domestic hot water min/max temperature	°C	40/60	40/60	40/60	40/60
--	----	-------	-------	-------	-------

ELECTRICAL

Power supply voltage/frequency	V/Hz	230/50	230/50	230/50	230/50
Total electrical power absorbed	W	101	111	215	246
Minimum ambient temperature for use	°C	+5	+5	+5	+5
Protection level for the electrical appliance	IP	IPX4D	IPX4D	IP20	IP20

CONDENSATE

Max condensate production (40°C- 30°C, max load - 20°C ambient)	l/h	16,4	19,1	24,6	31,1
Condensate pH		3,2	3,2	3,2	3,2
Weight	kg	80	83	83	90
Dimension (W x H x D)	mm	465/888/602	465/888/602	465/888/602	465/888/602

CODE

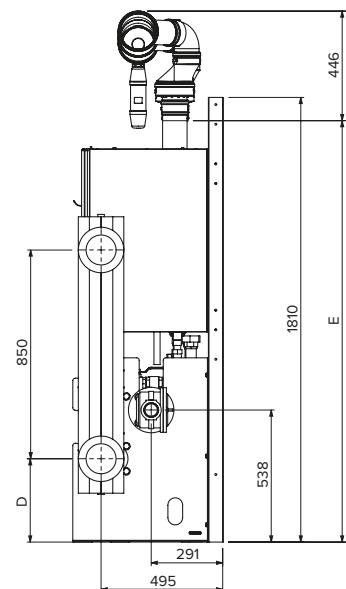
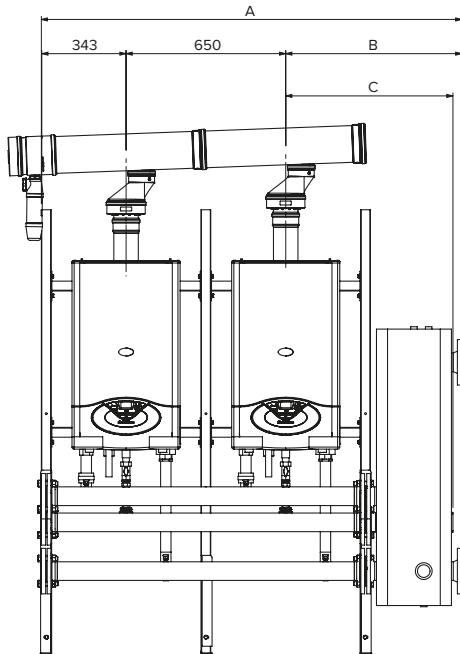
3581564 3581567 3581568 3581569

Installation scheme for line cascade boilers

The cascade configuration allows the installation from 2 up to 6 boilers.

Regarding the sizes, please refer to the dimensions shown in the drawings , since the installation is modular.

COLLECTORS DN65

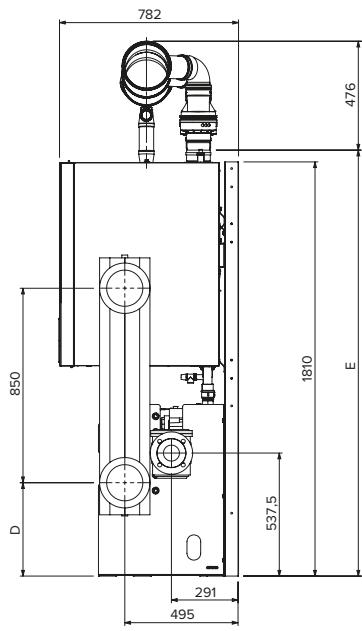
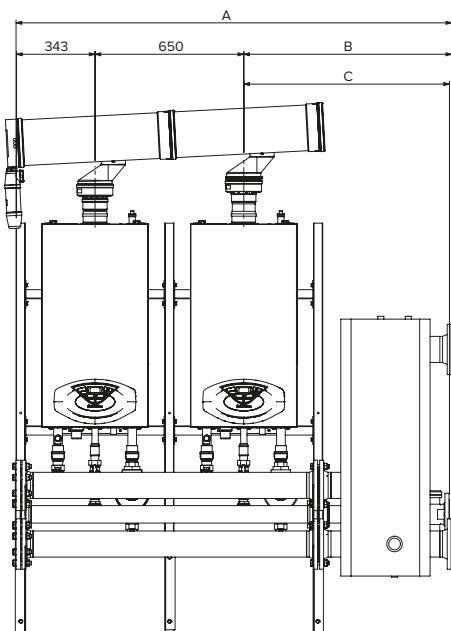


Dimensions (in mm)

NUMBER OF BOILERS	A	B	C	D	E
2	1710				2162
3	2360				2187
4	3010				2212
5	3660				2237
6	4310				2262

Dimensions referring to flue pipe collector DN150

COLLECTORS DN100



Dimensions (in mm)

NUMBER OF BOILERS	A	B	C	D	E
2	1902				2337
3	2552				2372
4	3202				2407
5	3852				2442
6	4502				2477

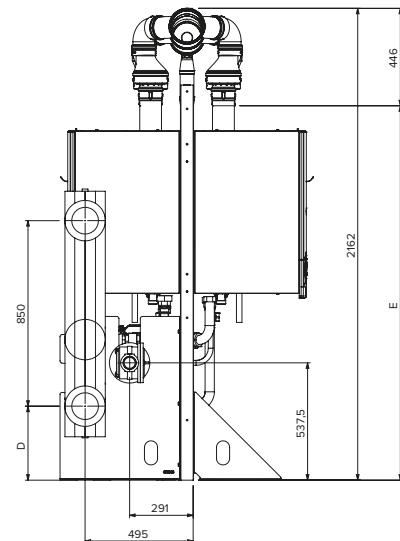
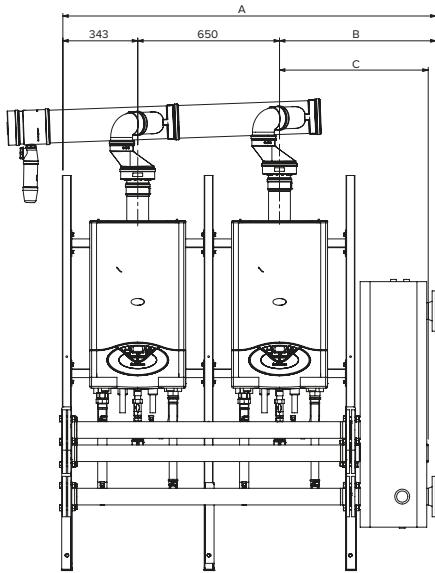
Dimensions referring to flue pipe collector DN200

Installation scheme for back to back cascade boilers

The cascade configuration allows the installation from 3 up to 8 boilers.

Regarding the sizes, please refer to the dimensions shown in the drawings , since the installation is modular.

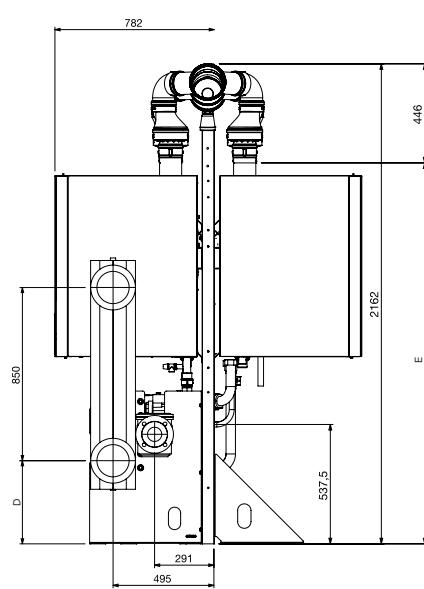
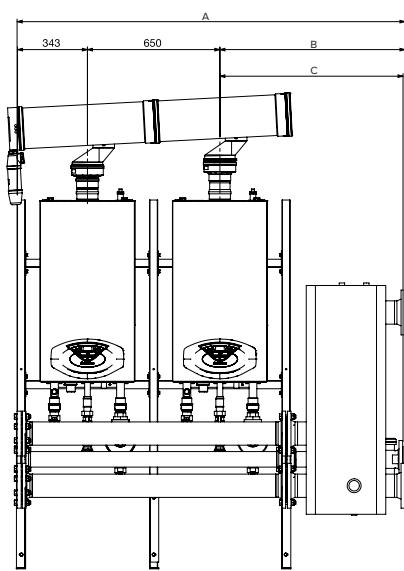
COLLECTORS DN65



Dimensions (in mm)

NUMBER OF BOILERS	A	B	C	D	E
3-4	1710				2162
5-6	2360	717	681	339	2187
7-8	3010				2212

COLLECTORS DN65



Dimensions (in mm)

NUMBER OF BOILERS	A	B	C	D	E
3-4	1902				2337
5-6	2552	909	899	408	2372
7-8	3202				2407

Selection table Line cascade

		fino a 200 kW		da 200 a 400 kW			da 400 a 600 kW		oltre i 600 kW		
TOTAL HEAT CAPACITY CASCADE		116 kW	168 kW	197 kW	249 kW	327 kW	420 kW	560 kW	700 kW	840 kW	
NUMBER OF BOILERS		2	2	2	2	3	3	4	5	6	
DESCRIPTION		CODE	QUANTITY								
BOILERS HP											
GENUS PREMIUM EVO HP 65kW EU	3581565	2	-	-	-	-	-	-	-	-	
GENUS PREMIUM EVO HP 85kW EU	3581566	-	1	-	-	-	-	-	-	-	
GENUS PREMIUM EVO HP 100kW EU	3581567	-	1	1	-	-	-	-	-	-	
GENUS PREMIUM EVO HP 115kW EU	3581568	-	-	1	1	3	-	-	-	-	
GENUS PREMIUM EVO HP 150kW EU	3581569	-	-	-	1	-	3	4	5	6	
HYDRAULIC & INSTALLATION KITS											
FRAME HORIZONTAL SUPPORT	3590280	2	2	2	2	3	3	4	5	6	
FRAME VERTICAL SUPPORT	3590279	3	3	3	3	4	4	5	6	7	
FRAME FOOT	3590283	1	1	1	1	2	2	2	3	4	
COLLECTOR SUPPORT RIGHT	3590443	1	1	1	1	1	1	1	1	1	
COLLECTOR SUPPORT LEFT	3590472	1	1	1	1	1	1	2	2	2	
COLLECTOR FLOW/RETURN DN65 2B LINE	3590253	2	2	2	2	-	-	-	-	-	
COLLECTOR FLOW/RETURN DN65 3B LINE	3590254	-	-	-	-	2	2	-	-	-	
COLLECTOR FLOW/RETURN DN100 2B LINE	3590255	-	-	-	-	-	-	4	2	-	
COLLECTOR FLOW/RETURN DN100 3B LINE	3590256	-	-	-	-	-	-	-	2	4	
FLANGE KIT DN65	3590269	1	1	1	1	1	1	-	-	-	
FLANGE KIT DN100	3590270	-	-	-	-	-	-	1	1	1	
CONNECTION KIT 2 COLLECTORS DN100	3590272	-	-	-	-	-	-	1	1	1	
CONNECTION KIT GHP 45-65 LINE	3590450	2	-	-	-	-	-	-	-	-	
CONNECTION KIT GHP 85-100 LINE	3590451	-	2	2	2	3	3	4	5	6	
LOW LOSS HEADER DN65	3590444	1	1	1	1	1	1	-	-	-	
LOW LOSS HEADER DN100	3590445	-	-	-	-	-	-	1	1	1	
COLLECTOR GAS DN65 2B LINE / 4B B2B	3590267	1	1	1	1	-	-	2	1	-	
COLLECTOR GAS DN65 3B LINE / 6B B2B	3590268	-	-	-	-	1	1	-	1	2	
CONTROLS											
OUTDOOR SENSOR QAC34.101	171237	1	1	1	1	1	1	1	1	1	
INTERFACCIA BUS CASCATA THW-SIEMENS	3318642	2	2	2	2	3	3	4	5	6	
HEADER/HOT WATER SENSOR QAZ36 CABLE 6M	12081759	1	1	1	1	1	1	1	1	1	
RVS 43 + WH BOX EE**	3590864	1	1	1	1	1	1	1	1	1	
CIRCULATORS											
PUMP KIT STRATOS PARA 30/1-9 PWM	3590636	-	2	1	-	-	-	-	-	-	
PUMP KIT STRATOS PARA 30/1-8 PWM	3590637	-	-	1	2	3	3	4	5	6	
INSULATION KITS											
INSULATION COLLECTOR 2B DN65	3590458	1	1	1	1	-	-	-	-	-	
INSULATION COLLECTOR 3B DN65	3590459	-	-	-	-	1	1	-	-	-	
INSULATION COLLECTOR 2B DN100	3590470	-	-	-	-	-	-	2	1	-	
INSULATION COLLECTOR 3B DN100	3590471	-	-	-	-	-	-	-	1	2	
INSULATION LOW LOSS HEADER DN65	3590456	1	1	1	1	1	1	-	-	-	
INSULATION LOW LOSS HEADER DN100	3590457	-	-	-	-	-	-	1	1	1	

Kit optional

		Up to 436 kW*	over 436 kW*
Extension gas pipe	Code	3590299	3590301
Room controller QAA75.610/101	Code 12048253	12048253	

* Nominal Heat Capacity (Hi)

**The RVS43 can control 1 zone. Please refer to technical documentation for other configurations and schemes.

		up to 232 kW*	over 436 kW*
Low loss header with insulation included (as alternative to code 3590444)	kW	82-250	251-462
	Type	CB200-30M	CB200-50M
	Code	3590357	3590358
	kW	82-250	251-462
ΔT = 10K	Type	CB200-30M	CB200-64M
	Code	3590357	3590359

Selection table Back to back cascade

		fino a 300 kW		da 300 a 600 kW			oltre i 600 kW				
TOTAL HEAT CAPACITY CASCADE		174 kW	256 kW	327 kW	420 kW	560 kW	700 kW	840 kW	980 kW	1120 kW	
NUMBER OF BOILERS		3	3	3	3	4	5	6	7	8	
DESCRIPTION	CODE	QUANTITY									
BOILERS HP											
GENUS PREMIUM EVO HP 65kW EU	3581565	3	-	-	-	-	-	-	-	-	
GENUS PREMIUM EVO HP 85kW EU	3581566	-	1	-	-	-	-	-	-	-	
GENUS PREMIUM EVO HP 100kW EU	3581567	-	2	-	-	-	-	-	-	-	
GENUS PREMIUM EVO HP 115kW EU	3581568	-	-	3	-	-	-	-	-	-	
GENUS PREMIUM EVO HP 150kW EU	3581569	-	-	-	3	4	5	6	7	8	
HYDRAULIC & INSTALLATION KITS											
FRAME HORIZONTAL SUPPORT	3590280	2	2	2	2	2	3	3	4	4	
FRAME VERTICAL SUPPORT	3590279	3	3	3	3	3	4	4	5	5	
FRAME FOOT	3590283	4	4	4	4	4	6	6	7	7	
COLLECTOR SUPPORT RIGHT	3590443	1	1	1	1	1	1	1	1	1	
COLLECTOR SUPPORT LEFT	3590472	1	1	1	1	1	1	1	2	2	
COLLECTOR FLOW DN65 4B B2B	3590257	1	1	1	1	-	-	-	-	-	
COLLECTOR RETURN DN65 4B B2B	3590258	1	1	1	1	-	-	-	-	-	
COLLECTOR FLOW DN100 4B B2B	3590261	-	-	-	-	1	-	-	2	2	
COLLECTOR RETURN DN100 4B B2B	3590262	-	-	-	-	1	-	-	2	2	
COLLECTOR FLOW DN100 6B B2B	3590263	-	-	-	-	-	1	1	-	-	
COLLECTOR RETURN DN100 6B B2B	3590264	-	-	-	-	-	1	1	-	-	
FLANGE KIT DN65	3590269	1	1	1	1	-	-	-	-	-	
FLANGE KIT DN100	3590270	-	-	-	-	1	1	1	1	1	
CONNECTION KIT 2 COLLECTORS DN100	3590272	-	-	-	-	-	-	-	1	1	
BLIND KIT FOR 1 BOILER	3590273	1	1	1	1	-	1	-	1	-	
CONNECTION KIT GHP 45-65 LINE	3590450	2	-	-	-	-	-	-	-	-	
CONNECTION KIT GHP 85-100 LINE	3590451	-	2	2	2	2	3	3	4	4	
CONNECTION KIT GHP 45-65 B2B I	3590452	1	-	-	-	-	-	-	-	-	
CONNECTION KIT GHP 85-100 B2B	3590453	-	1	1	1	2	2	3	3	4	
LOW LOSS HEADER DN65	3590444	1	1	1	1	-	-	-	-	-	
LOW LOSS HEADER DN100	3590445	-	-	-	-	1	1	1	1	1	
COLLECTOR GAS DN65 2B LINE / 4B B2B	3590267	1	1	1	1	-	-	-	2	2	
COLLECTOR GAS DN65 3B LINE / 6B B2B	3590268	-	-	-	-	-	1	1	-	-	
CONTROLS											
OUTDOOR SENSOR QAC34.101	171237	1	1	1	1	1	1	1	1	1	
INTERFACCIA BUS CASCATA THW-SIEMENS	3318642	3	3	3	3	4	5	6	7	8	
HEADER/HOT WATER SENSOR QAZ36 CABLE 6M	12081759	1	1	1	1	1	1	1	1	1	
RVS 43 + WH BOX EE**	3590864	1	1	1	1	1	1	1	1	1	
CIRCULATORS											
PUMP KIT STRATOS PARA 30/I-9 PWM	3590636	-	3	-	-	-	-	-	-	-	
PUMP KIT STRATOS PARA 30/I-8 PWM	3590637	-	-	3	3	4	5	6	7	8	
INSULATION KITS											
INSULATION COLLECTOR 2B DN65	3590458	1	1	1	1	-	-	-	-	-	
INSULATION COLLECTOR 2B DN100	3590470	-	-	-	-	1	-	-	2	2	
INSULATION COLLECTOR 3B DN100	3590471	-	-	-	-	-	1	1	-	-	
INSULATION LOW LOSS HEADER DN65	3590456	1	1	1	1	-	-	-	-	-	
INSULATION LOW LOSS HEADER DN100	3590457	-	-	-	-	1	1	1	1	1	

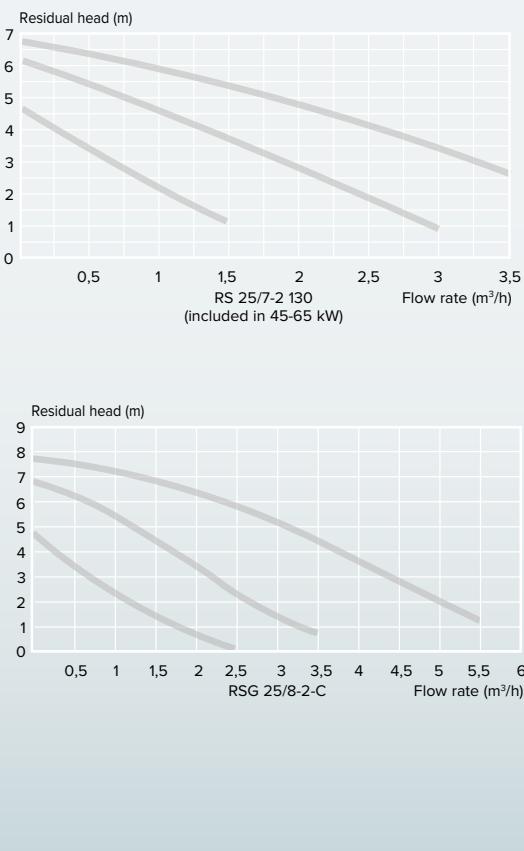
Kit optional

	Up to 436 kW*	over 436 kW*
Extension gas pipe	Code 3590299	3590301
Room controller QAA75.610/101**	Code 12048253	12048253

* Nominal Heat Capacity (Hi)

**The RVS43 can control 1 zone. Please refer to technical documentation for other configurations and schemes.

	kW	up to 232 kW*	up to 436 kW*
Exchanger kit with brazed plates with insulation included (to be chosen as alternative to the code 3590444)	ΔT = 15-20K	kW 82-250	251-462
		Type CB200-30M	CB200-50M
		Code 3590357	3590358
	ΔT = 10K	kW 82-250	251-462
		Type CB200-30M	CB200-64M
		Code 3590357	3590359



Two - Speed Pump Features

		45 FF	65 FF	85 FF	100 FF	115 FF	150 FF
HYDRAULIC DATA							
Flow Rate $\Delta T=20K$	m³/h	1,7	2,5	3,4	3,7	4,6	5,9
Pressure drop at the nominal flow rate	kPa	34	40	23	23	26	37
TWO - SPEED PUMP DATA							
Pump model and type of control	-	RS 25/7-2 130	RS 25/7-2 130	RSG 25/8-2-C	RSG 25/8-2-C	-	-
Code	Included	Included	3590441	3590441	-	-	-
Voltage	V	230	230	230	230	-	-
Maximum consumption	W	93	111	151	151	-	-
Minimum consumption	W	62	62	81	81	-	-
Residual head at the nominal flow rate	kPa	56	51	46	41	-	-
Code							
Two - Speed Pump						3590441	

High-Efficiency Full Modulating Pump Features

		45 FF	65 FF	85 FF	100 FF	115 FF	150 FF
HYDRAULIC DATA							
Flow Rate $\Delta T=20K$	m³/h	1,7	2,5	3,4	3,7	4,6	5,9
Pressure drop at the nominal flow rate	kPa	34	40	23	23	26	37
HIGH-EFFICIENCY FULL MODULATING PUMP DATA							
Pump model and type of control	-	-	-	UPMXL GEO 25-125	UPMXL GEO 25-125	UPMXL GEO 25-125	UPMXL GEO 25-125
Code	-	-	3590442	3590442	3590442	3590442	3590442
Voltage	V	-	-	230	230	230	230
Maximum consumption	W	-	-	180	180	180	180
Minimum consumption	W	-	-	8	8	8	8
Residual head at the nominal flow rate	kPa	-	-	96	90	72	50
Code							
High-Efficiency Full Modulating Pump						3590442	

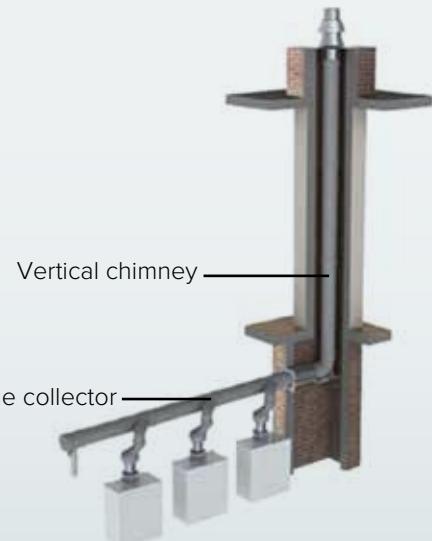
Exhaust configuration

CHIMNEY SELECTION (diameter for required output):

DIAMETER	CHIMNEY HEIGHT		
	5M	15M	30M
150/150mm	327	313	288
150/200mm	450	412	370
200/200mm	530	500	482
200/250mm	697	675	646
200/300mm	855	835	797

Calculation based on 3m horizontal flue in boiler room.

The cascade flue systems are available with a diameter of 150 and 200 mm. Horizontal collector's and vertical chimney's diameters depend on the total installed power, and on vertical chimney length. The table shows the maximum power, in accordance with the vertical length of the chimney.



The informations are indicative and the proper sizing of an exhaust system depends on the chimney configuration.

FLUE SYSTEM COMPOSITION	# boilers	DN150											
		LINE						BACK 2 BACK					
	# boilers	2	3	4	5	6	3	4	5	6	7	8	
Cascade flue kit basic LINE	3590461	2	3	4	5	6	1		1		1		
Cascade flue kit basic BACK 2 BACK	3590462	-	-	-	-	-	1	2	2	3	3	4	
Condensate trap + siphon + cap	3590463	1	1	1	1	1	1	1	1	1	1	1	
Adapter 80 to 100mm for 45-65kW boiler	3590467	2*	3*	4*	5*	6*	3*	4*	5*	6*	7*	8*	

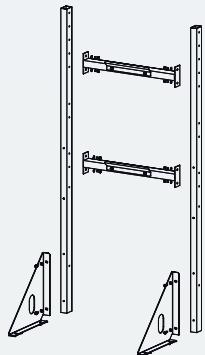
* Only in case of 45-65kW boilers

FLUE SYSTEM COMPOSITION	# boilers	DN200											
		LINE						BACK 2 BACK					
	# boilers	2	3	4	5	6	3	4	5	6	7	8	
Cascade flue kit basic LINE	3590464	2	3	4	5	6	1		1		1		
Cascade flue kit basic BACK 2 BACK	3590465	-	-	-	-	-	1	2	2	3	3	4	
Condensate trap + siphon + cap	3590466	1	1	1	1	1	1	1	1	1	1	1	
Adapter 80 to 100mm for 45-65kW boiler	3590467	2*	3*	4*	5*	6*	3*	4*	5*	6*	7*	8*	

* Only in case of 45-65kW boilers

Installation and hydraulic accessories

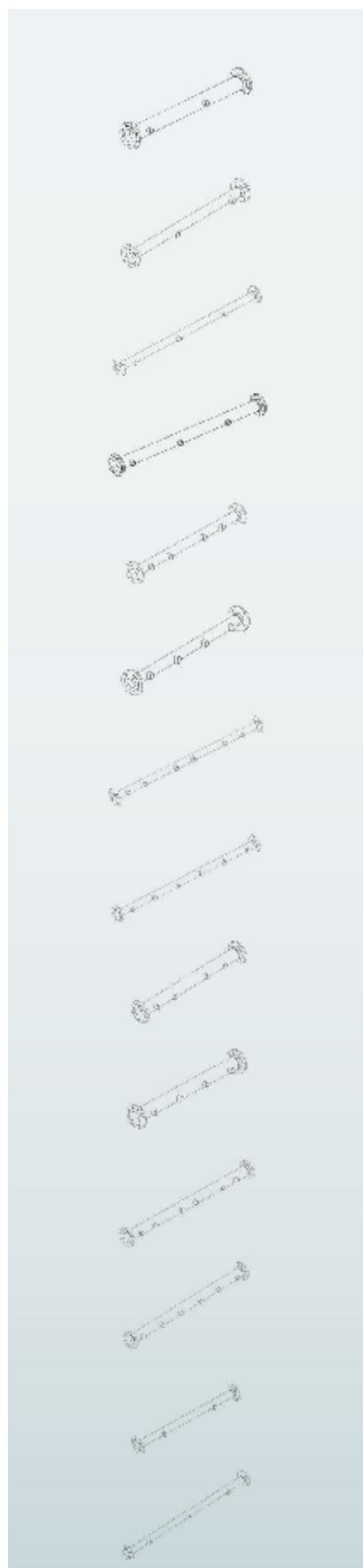
Installation accessories	Code	/ Genus Premium EVO HP EU 45-65	/ Genus Premium EVO HP EU 85-100	/ Genus Premium EVO HP EU 115-150
FRAME VERTICAL SUPPORT	3590279	•	•	•
FRAME HORIZONTAL SUPPORT	3590280	•	•	•
COLLECTOR SUPPORT LEFT	3590472	•	•	•
COLLECTOR SUPPORT RIGHT	3590443	•	•	•
FRAME FOOT	3590283	•	•	•



HYDRAULIC ACCESSORIES stand alone installation	Code	/ Genus Premium EVO HP EU 45-65	/ Genus Premium EVO HP EU 85-100	/ Genus Premium EVO HP EU 115-150
SAFETY VALVE 3 BAR GHP 45-65	3590431	•		
SAFETY VALVE 3 BAR GHP 85-100	3590432		•	
SAFETY VALVE TUV 3 BAR TH-L 100-145	3590330			•
SHUT OFF VALVE KIT GHP 45-65	3590433	•		
SHUT OFF VALVE KIT GHP 85-100	3590434		•	
SHUT OFF VALVE KIT TH-L 100-145	3590335			•
DHW KIT 3-WAY VALVE GHP 45-65	3590436	•		
DHW KIT 3-WAY VALVE GHP 85-100	3590437		•	
DHW KIT 3-WAY VALVE GHP 100-150	3590438			•
LOW LOSS HEADER GHP 85-150	3590435	•	•	•
PUMP KIT STRATOS PARA 30/1-9 PWM	3590636		•	
PUMP KIT STRATOS PARA 30/1-8 PWM	3590637			•



Cascade installation in line and back to back	Code	/ Genus Premium EVO HP EU 45 - 65 - 85 - 100 - 115 - 150
COLLECTOR FLOW/RETURN DN65 2B LINE	3590253	Refer to the selection tables for proper configuration 114-117
COLLECTOR FLOW/RETURN DN65 3B LINE	3590254	Refer to the selection tables for proper configuration 114-117
COLLECTOR FLOW/RETURN DN100 2B LINE	3590255	Refer to the selection tables for proper configuration 114-117
COLLECTOR FLOW/RETURN DN100 3B LINE	3590256	Refer to the selection tables for proper configuration 114-117
COLLECTOR FLOW DN65 4B B2B	3590257	Refer to the selection tables for proper configuration 114-117
COLLECTOR RETURN DN65 4B B2B	3590258	Refer to the selection tables for proper configuration 114-117
COLLECTOR FLOW DN65 6B B2B	3590259	Refer to the selection tables for proper configuration 114-117
COLLECTOR RETURN DN65 6B B2B	3590260	Refer to the selection tables for proper configuration 114-117
COLLECTOR FLOW DN100 4B B2B	3590261	Refer to the selection tables for proper configuration 114-117
COLLECTOR RETURN DN100 4B B2B	3590262	Refer to the selection tables for proper configuration 114-117
COLLECTOR FLOW DN100 6B B2B	3590263	Refer to the selection tables for proper configuration 114-117
COLLECTOR RETURN DN100 6B B2B	3590264	Refer to the selection tables for proper configuration 114-117
COLLECTOR GAS DN65 2B LINE / 4B B2B	3590267	Refer to the selection tables for proper configuration 114-117
COLLECTOR GAS DN65 3B LINE / 6B B2B	3590268	Refer to the selection tables for proper configuration 114-117



Hydraulic accessories

Cascade installation in line and back to back	Code	/ Genus Premium EVO HP EU 45-65	/ Genus Premium EVO HP EU 85-100	/ Genus Premium EVO HP EU 115-150
FLANGE KIT DN65	3590269	•	•	•
FLANGE KIT DN100	3590270		•	•
CONNECTION KIT 2 COLLECTORS DN65	3590271	•		
CONNECTION KIT 2 COLLECTORS DN100	3590272		•	•
BLIND KIT FOR 1 BOILER	3590273	•	•	•
CONNECTION KIT GHP 45-65 LINE	3590450	•		
CONNECTION KIT GHP 85-100 LINE	3590451		•	•
CONNECTION KIT GHP 45-65 B2B I	3590452	•		
CONNECTION KIT GHP 85-100 B2B	3590453		•	•
GAS FILTER 2IN INCL. CONNECTOR DN65	3590298	•	•	•
GAS FILTER DN65	3590300		•	•
EXTENSION TUBE GAS 2IN	3590299	•	•	•
EXTENSION TUBE GAS DN65	3590301		•	•



Cascade installation in line and back to back	Code	/ Genus Premium EVO HP EU 45-65	/ Genus Premium EVO HP EU 85-100	/ Genus Premium EVO HP EU 115-150
LOW LOSS HEADER DN65	3590444	•		
LOW LOSS HEADER DN100	3590445		•	•
INSULATION COLLECTOR 2B DN65	3590458	•		
INSULATION COLLECTOR 3B DN65	3590459	•		
INSULATION COLLECTOR 2B DN100	3590470		•	•
INSULATION COLLECTOR 3B DN100	3590471		•	•
INSULATION LOW LOSS HEADER DN65	3590456	•		
INSULATION LOW LOSS HEADER DN100	3590457		•	•
PLATE HEAT EXCH. CB200-30M TH-L CASCADE	3590357	•	•	•
PLATE HEAT EXCH. CB200-50M TH-L CASCADE	3590358	•	•	•
PLATE HEAT EXCH. CB200-64M TH-L CASCADE	3590359	•	•	•



Discharge flue accessories

Genus Premium EVO HP Stand alone installation	Code	/ Genus Premium EVO HP 85-100-115-150 kW	/ Genus Premium EVO HP 45-65 kW
FLUE ADAPTER CONC TO PAR GENUS HP	3580784		•
FLUE ADAPTER 100/100 PAR TO 110/150 CONC	12076281	•	
FLUE ADAPTER 100/100 PAR TO 100/150 CONC	12076292	•	
CONCENTRIC FLUE PIPE 110/150MM L=1M	3590224	•	
CONCENTRIC FLUE PIPE 110/150MM L=0.5M	3590225	•	
CONCENTRIC BEND 90 DEGR 110/150MM	3590226	•	
CONCENTRIC BEND 45 DEGR 110/150MM	3590227	•	
CONCENTRIC ROOF TERMINAL 110/150MM	3590228	•	
CONCENTRIC WALL TERMINAL 110/150MM	3590229	•	



Genus Premium EVO HP Stand alone installation	Code	/ Genus Premium EVO HP 85-100-115-150 kW	/ Genus Premiumi EVO HP 45-65 kW
FLUE ADAPTER INCL. TEST POINT 110MM	3590230	•	
FLUE PIPE 110MM L = 1M	3590231	•	
FLUE PIPE 110MM L = 0.5M	3590232	•	
FLUE BEND 90 DEGR 110MM	3590233	•	
FLUE BEND 45 DEGR 110MM	3590234	•	
FLUE ROOF TERMINAL 110MM	3590235	•	
FLUE WALL TERMINAL 110MM	3590236	•	
AIR ADAPTER INCL. TEST POINT 100MM	3590237	•	
AIR PIPE 100MM L = 1M	3590238	•	
AIR BEND 90 DEGR 100MM	3590239	•	
AIR BEND 45 DEGR 100MM	3590240	•	
AIR WALL TERMINAL 100MM	3590241	•	



Controls

Controls for cascade systems	Code	Genus Premium EVO HP EU
INTERFACCIA BUS CASCATA THW-SIEMENS	3318642	•
RVS 43 + WH BOX EE	3590864	•
RVS 43+RVS75+WH BOX EE	3590866	•
RVS75+WH BOX EE	3590867	•
OUTDOOR SENSOR QAC34.101	171237	•
ROOM CONTROLLER QAA75.610/101	12048253	•
HEADER/HOT WATER SENSOR QAZ36 CABLE 6M	12081759	•

Conventional gas boilers





With our Conventional range, we want to make sure everyone can find the right solution for their thermic needs. This range is available in different powers from 10kW to 35kW. Moreover, they are fully compatible with existing Ariston accessories, including ON/OFF Thermostats and Modulating Thermostats.

- XC series - Closed chamber
- X series - Open chamber

XC series

comfort that lasts



Developed with technical experts and inspired by real life, the new XC boiler range takes the concept of durability to the next level. Thanks to the electronic control system and anti-freeze mode, these new boilers are fully protected from malfunctions and cold weather. They are also fitted with a copper heat exchanger designed to provide reliable performances over time and great resistance to corrosion. Besides, they offer a set of smart functions to let you customize your product to your specific thermal needs while enjoying continued comfort in complete safety.

Durable Heating

Copper heat exchanger with turbulators

In line with Ariston's long-standing commitment to creating products that offer exceptional levels of reliability and durability, the new XC boilers have been equipped with a copper heat exchanger with turbulators. This will provide reliable endurance performances over time, for the best comfort at home, every day.

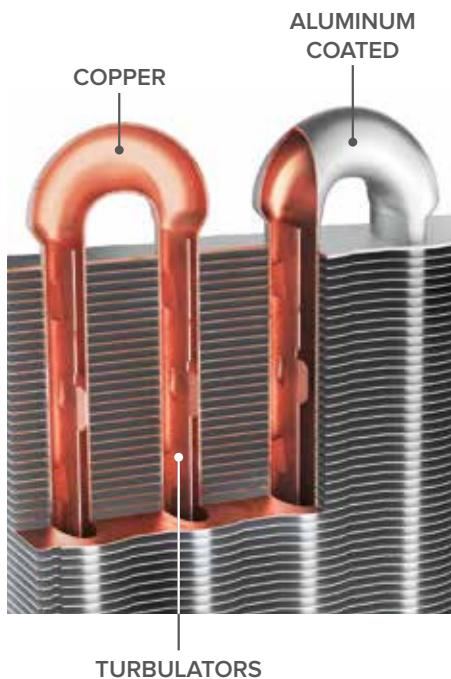
High reliability

The heat exchanger is entirely made of copper, a durable material renowned for its excellent thermal conductivity and optimal resistance to high temperatures, pressures and corrosion.

High performances

The turbulators induce turbulence in the water passing through the heat exchanger tubes, ensuring optimal thermal performances along with other important advantages:

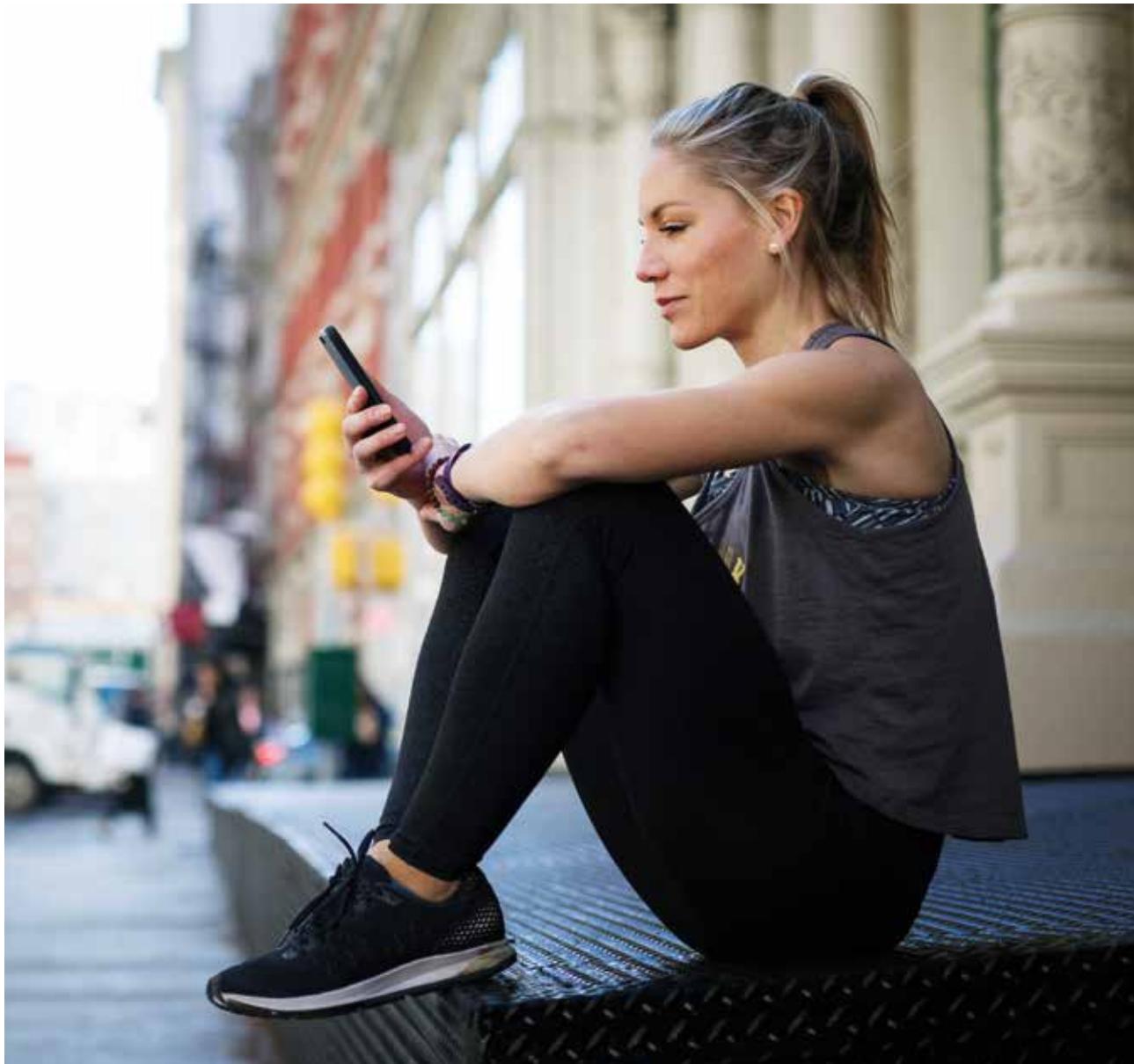
- / Fouling deposits on the pipe surface are remarkably reduced.
- / Premature vaporization of the water and noise during operation are prevented.
- / Water temperature is kept uniform and the formation of temperature peaks is avoided.



Smart Connectivity

Smartly connected to your comfort

The new XC Series is Ariston NET Compatible. With a few taps on your smartphone, you can manage your boiler remotely, solve problems immediately and receive continuous technical support*. Moreover, the app offers seamless integration with the main voice control systems**, allowing you to control comfort also with the sound of your voice.



* Ariston NET'S remote assistance service is available by subscription to a maintenance contract.

**Ariston NET works with Apple Homekit, Amazon Alexa and Google Assistant.

Full Comfort

Smart functions and intuitive interface

The XC boiler range offers a host of smart functions for simple temperature setting, as well as many customization options to satisfy all needs. Plus, you can be confident that the noise level will remain the same over time.

Auto function

Let your boiler set the ideal temperature for your home. With this function, the product takes information from three internal and external sensors to auto-adjust the heating temperature due to outside conditions.

Comfort function

Get hot water almost instantaneously, reducing the waste of cold water.

Heating scheduled time programming

Set and adjust a weekly heating schedule directly from the product.

Ordinary maintenance reminder

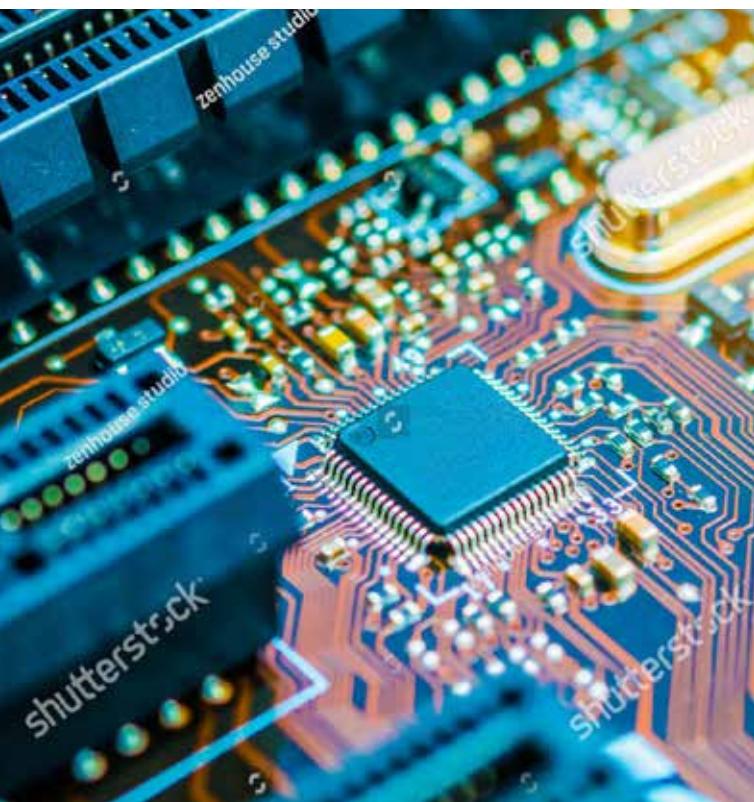
Get alerts reminding you of when ordinary maintenance is due and letting you know if there is something wrong that needs to be checked by a professional.



Maximum Safety

Safety & protection system active at all time

The Safety & Protection system provides you with the peace of mind of knowing that you and your family will enjoy continued comfort in complete safety.



Boiler protection system

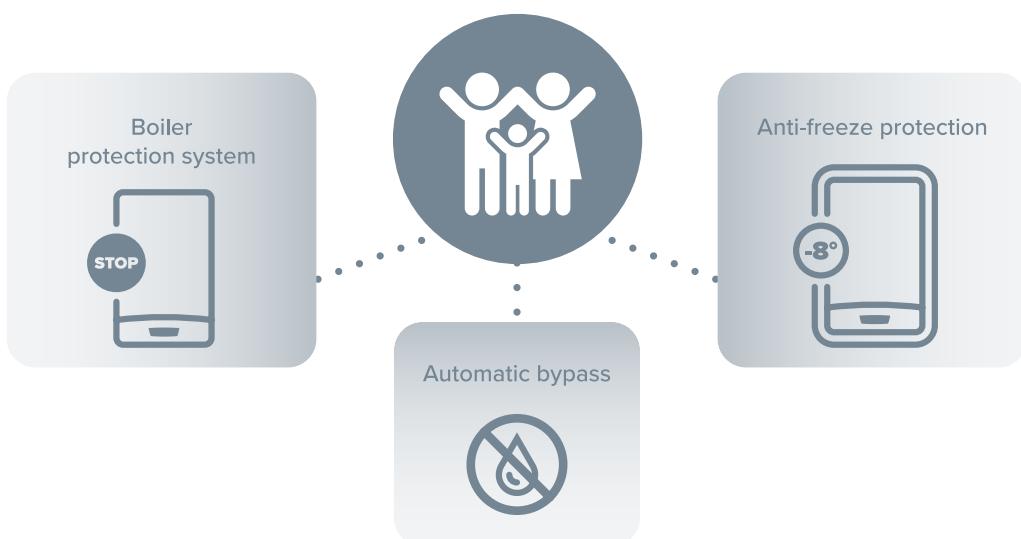
When an issue is detected, the electronic control board automatically locks-down the boiler.

Anti-freeze protection

Every time the product senses a temperature below 8°C, the anti-freeze function will run automatically to protect your boiler from freezing damage.

Automatic bypass

In case of a decrease in the water flow, the automatic bypass protects your boiler from the risk of overheating and pump breakdown.



The right **Solutions**

Comprehensive range for every need

With the new XC Series, everyone can be sure to find the right solution for their thermic needs - be it a basic heating system or a more complex and tailor-made one. Moreover, these new boilers are available in different powers ranging from 15kW to 35kW.



Ariston closed chamber wall hung boiler range



	ALTEAS XC			GENUS XC		
	24	30	35	24	30	35
ENERGY SAVING	Up to 15%			Up to 15%		
POWER RANGE	Combi FF 24-30-35 kW			Combi FF 24-30-35 kW		
EFFICIENCY	Up to 93,6% & Reduced electrical consumption			Up to 93,6% & Reduced electrical consumption		
CONNECTIVITY	Wi-Fi embedded			READY FOR		
DISPLAY	Large LCD & Touch screen display			Large LCD & Touch screen display		
SILENCE	Modulating pump and insulating panels			Modulating pump and insulating panels		
COMFORT FUNCTION						
DESIGN	Glass frontal panel, black color, compact structure, Italian design. Dimensions (H x L x W) 745 x 400 x 315 mm			Black and white color design, compact structure, Italian design. Dimensions (H x L x W) 745 x 400 x 315 mm		
INTEGRATION WITH OTHER PRODUCTS	BusBridgeNetR technology ready, Solar System management			BusBridgeNetR technology ready, Solar System management		
PAGE	86			88		

Closed chamber wall hung boiler range



CLAS XC			CARES XC			
24	28	35	10	15	18	24
Up to 13%				Up to 13%		
Combi FF 24-28-35 kW System FF 24 -28-32				Combi FF 10-15-18-24 kW		
Up to 93,6%				Up to 93,6%		
Large LCD Display				Large LCD Display & New Silicon Buttons		
-				-		
Compact structure, Italian design. Dimensions (H x L x W) 745 x 400 x 315 mm				Compact structure, Italian design. Dimensions (H x L x W) 745 x 400 x 315 mm		
BusBridgeNetR technology ready, Solar System management				BusBridgeNetR technology ready		
90 - 92 (heating only version)				94		

Alteas XC



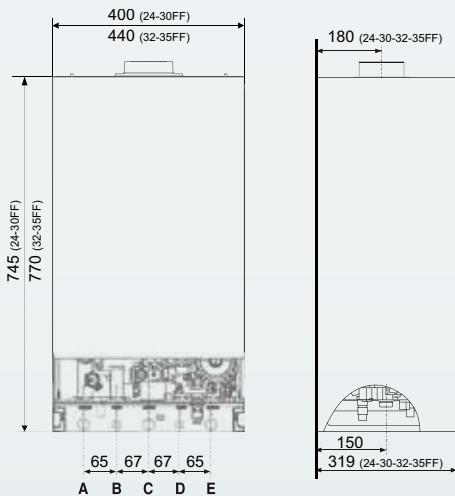
Top of the range boiler, italian designed and integrated connectivity

- / Simplified control: via smartphone with Ariston NET intuitive app.
- / Long-lasting, high performances: new TurboXC copper heat exchanger with turbulators coated in aluminum.
- / Elegant italian design to match any home: Large touchscreen display and scratch proof tempered glass.
- / Increased safety: thanks to multiple protection systems which prevent boiler malfunction in certain conditions.

Features

- / High Resolution LCD display
- / Busbridge net communication protocol
- / Auto, Comfort, Holiday and automatic scheduled maintenance reminder
- / Anti-freezing safety in case of low external temperature
- / Automatic bypass in case of decreased water flow

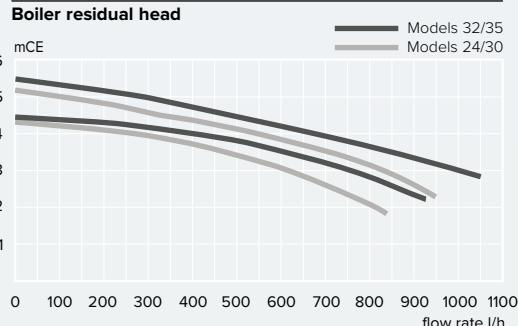
TurboXC™ copper heat exchanger with Turbulators



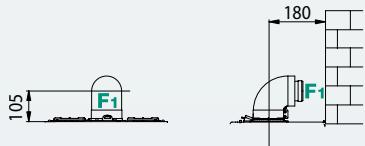
KEY

- A \ Central Heating Flow
- B \ Domestic Hot Water Outlet
- C \ Gas Inlet
- D \ Domestic Cold Water Inlet
- E \ Central Heating Return



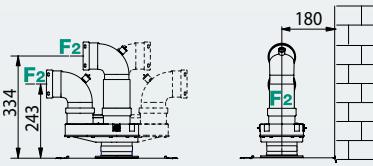


FF Versions - Coaxial exhaust



Ø60/100: up to 4m (24-28 kW) - 2m (32-35 kW)
Ø80/125: up to 11m (24-28 kW) - 8 m (32 kW) - 7 m (35 kW)

FF Versions - Twin pipe exhaust



Ø80/80: up to 45m (24kW) - 50m (28kW) - 33m (32-35 kW)

TECHNICAL DATA

24 FF 30 FF 35 FF

POWER SPECIFICATIONS

	24 FF	30 FF	35 FF	
Max/min nominal heat input(Hi)	kW	25,8/11,0	30,0/13,0	34,5/15,0
Max/min nominal heat input (Hs)	kW	28,7/12,2	33,3/14,4	38,3/16,7
Max/min nominal heat input for hot water (Hi)	kW	25,8/11,0	30,0/13,0	34,5/15,0
Max/min nominal heat input for hot water (Hs)	kW	28,7/12,2	33,3/14,4	38,3/16,7
Heat output: max/min	kW	24,0/9,5	28,1/11,6	32,3/13,2
D.H.W. Heat output: max/min	kW	23,6/10,0	27,4/11,9	32,2/14,0
Combustion efficiency (of flue gas)	%	93,7	93,8	93,9
Gross efficiency of nominal heat input (60/80 °C) Hi/Hs	%	93,1/83,8	93,6/84,3	93,6/84,3
Gross efficiency at 30 % at 47°C Hi/Hs	%	93,3/84,0	93,7/84,4	92,6/83,4
Gross efficiency at minimum power Hi/Hs	%	86,7/78,1	93,7/84,4	88,2/79,4
Number of efficiency stars (Directive 92/42/EEC)	stars	★★★	★★★	★★★
Ma. heat loss to the casing ($\Delta T = 50^\circ\text{C}$)	%	0,6	0,2	0,3
Heat loss through the flue when burner on	%	6,3	6,2	6,1
Heat loss through the flue when burner off	%	0,4	0,4	0,4

EMISSIONS

	24 FF	30 FF	35 FF	
Residual discharge head	Pa	120	145	130
Nox class	class	3	3	3
Flue fumes temperature (G20)	°C	117	110	112
CO2 content2 (G20)	%	6,5	6,1	6,4
CO content (0 %O2)	ppm	60	111	159
O2 content2 (G20)	%	8,8	9,5	9
Max capacity fumes (G20)	kg/h	56,9	71,2	77,2
Excess air	%	72	83	75

HEATING CIRCUIT

	24 FF	30 FF	35 FF	
Expansion vessel pre-charged pressure	Mpa (bar)	0,1 (1)	0,1 (1)	0,1 (1)
Maximum central heating circuit pressure	Mpa (bar)	0,3 (3)	0,3 (3)	0,3 (3)
Expansion vessel capacity	l	8	8	8
Central heating temperature: max/min	°C	82/35	82/35	82/35

DOMESTIC HOT WATER CIRCUIT

	24 FF	30 FF	35 FF	
Domestic hot water temperature max/min	°C	60/36	60/36	60/36
Specific flow rate of domestic hot water system (10 min. with $\Delta T=30^\circ\text{C}$) instant boilers	l/min	11,2	13,2	15,1
D.H.W. flow rate $\Delta T=25^\circ\text{C}$	l/min	13,5	15,7	18,5
D.H.W. flow rate $\Delta T=35^\circ\text{C}$	l/min	9,6	11,2	13,2
Hot water comfort stars (EN13203)	stars	★★	★★	★★
D.H.W. minimum flow rate	l/min	1,7	1,7	1,7
Domestic hot water pressure max/min	Mpa (bar)	0,7/0,1 (7/1)	0,7/0,1 (7/1)	0,7/0,1 (7/1)

ELECTRICAL

	24 FF	30 FF	35 FF	
Power supply voltage/frequency	V/Hz	220/50	220/50	220/50
Power consumption	W	84	101	101
Minimum operating room temperature	°C	5	5	5
Electric system grades of protection	IP	X5D	X5D	X5D
Weight	kg	31	32	31

CODE

3301670 3301671 3301672

For complete list of accessories see from page 120 on.

Genus XC



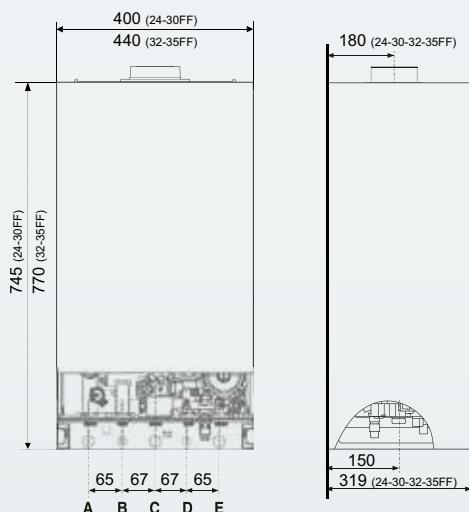
Top of the range boiler with connectivity capabilities

- / Long-lasting, high performances: new TurboXC copper heat exchanger with turbulators coated in aluminum.
- / Increased safety: thanks to multiple protection systems which prevent boiler malfunction in certain conditions.
- / Simplified control: via smartphone with Ariston NET intuitive app (enabled with optional accessory).

Features

- / High Resolution LCD display
- / Busbridge net communication protocol
- / Auto, Comfort, Holiday and automatic scheduled maintenance reminder
- / Anti-freezing safety in case of low external temperature
- / Automatic bypass in case of decreased water flow

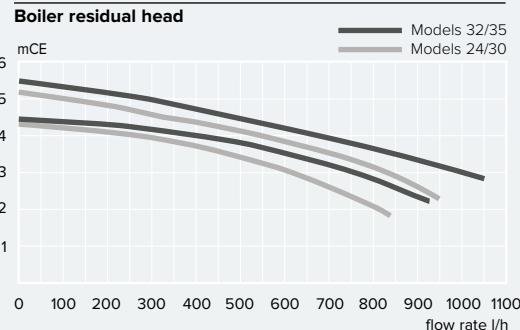
TurboXC™ copper heat exchanger with Turbulators



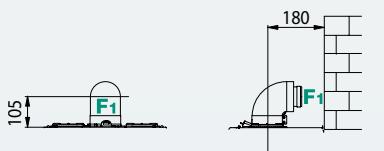
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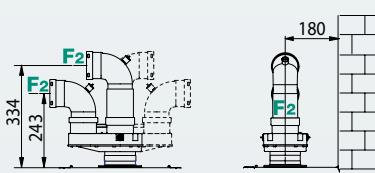


FF Versions - Coaxial exhaust



Ø60/100: up to 4m (24-28 kW) - 2m (32-35 kW)
Ø80/125: up to 11m (24-28 kW) - 8 m (32 kW) - 7 m (35 kW)

FF Versions - Twin pipe exhaust



Ø80/80: up to 45m (24kW) - 50m (28kW) - 33m (32 kW) - 33m (35 kW)

TECHNICAL DATA

24 FF 30 FF 35 FF

POWER SPECIFICATIONS

Max/min nominal heat input(Hi)	kW	25,8/11,0	30,0/13,0	34,5/15,0
Max/min nominal heat input (Hs)	kW	28,7/12,2	33,3/14,4	38,3/16,7
Max/min nominal heat input for hot water (Hi)	kW	25,8/11,0	30,0/13,0	34,5/15,0
Max/min nominal heat input for hot water (Hs)	kW	28,7/12,2	33,3/14,4	38,3/16,7
Heat output: max/min	kW	24,0/9,5	28,1/11,6	32,3/13,2
D.H.W. Heat output: max/min	kW	23,6/10,0	27,4/11,9	32,2/14,0
Combustion efficiency (of flue gas)	%	93,7	93,8	93,9
Gross efficiency of nominal heat input (60/80 °C) Hi/Hs	%	93,1/83,8	93,6/84,3	93,6/84,3
Gross efficiency at 30 % at 47°C Hi/Hs	%	93,3/84,0	93,7/84,4	92,6/83,4
Gross efficiency at minimum power Hi/Hs	%	86,7/78,1	93,7/84,4	88,2/79,4
Number of efficiency stars (Directive 92/42/EEC)	stars	★★★	★★★	★★★
Ma. heat loss to the casing ($\Delta T = 50^\circ\text{C}$)	%	0,6	0,2	0,3
Heat loss through the flue when burner on	%	6,3	6,2	6,1
Heat loss through the flue when burner off	%	0,4	0,4	0,4

EMISSIONS

Residual discharge head	Pa	120	145	130
Nox class	class	3	3	3
Flue fumes temperature (G20)	°C	117	110	112
CO ₂ content2 (G20)	%	6,5	6,1	6,4
CO content (0 %O ₂)	ppm	60	111	159
O ₂ content2 (G20)	%	8,8	9,5	9
Max capacity fumes (G20)	kg/h	56,9	71,2	77,2
Excess air	%	72	83	75

HEATING CIRCUIT

Expansion vessel pre-charged pressure	Mpa (bar)	0,1 (1)	0,1 (1)	0,1 (1)
Maximum central heating circuit pressure	Mpa (bar)	0,3 (3)	0,3 (3)	0,3 (3)
Expansion vessel capacity	l	8	8	8
Central heating temperature: max/min	°C	82/35	82/35	82/35

DOMESTIC HOT WATER CIRCUIT

Domestic hot water temperature max/min	°C	60/36	60/36	60/36
Specific flow rate of domestic hot water system (10 min. with $\Delta T=30^\circ\text{C}$) instant boilers	l/min	11,2	13,2	15,1
D.H.W. flow rate $\Delta T=25^\circ\text{C}$	l/min	13,5	15,7	18,5
D.H.W. flow rate $\Delta T=35^\circ\text{C}$	l/min	9,6	11,2	13,2
Hot water comfort stars (EN13203)	stars	★★	★★	★★
D.H.W. minimum flow rate	l/min	1,7	1,7	1,7
Domestic hot water pressure max/min	Mpa (bar)	0,7/0,1 (7/1)	0,7/0,1 (7/1)	0,7/0,1 (7/1)

ELECTRICAL

Power supply voltage/frequency	V/Hz	220/50	220/50	220/50
Power consumption	W	84	101	101
Minimum operating room temperature	°C	5	5	5
Electric system grades of protection	IP	X5D	X5D	X5D
Weight	kg	31	32	31

CODE

3301673 3301674 3301675

For complete list of accessories see from page 120 on.

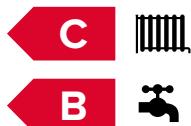
Clas XC



Conventional boiler with wide range of functions

- / Long-lasting, high performances: new TurboXC copper heat exchanger with turbulators coated in aluminum.
- / Increased safety: thanks to multiple protection systems which prevent boiler malfunction in certain conditions.
- / Simplified control: via smartphone with Ariston NET intuitive app (enabled with optional accessory).

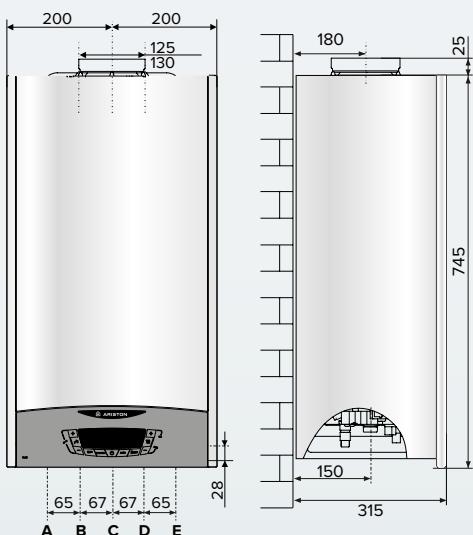
Energy Class



Features

- / High Resolution LCD display with responsive buttons
- / Busbridge net communication protocol
- / Anti-freezing safety in case of low external temperature
- / Automatic bypass in case of decreased water flow
- / 2 speed pump with DLC treatment

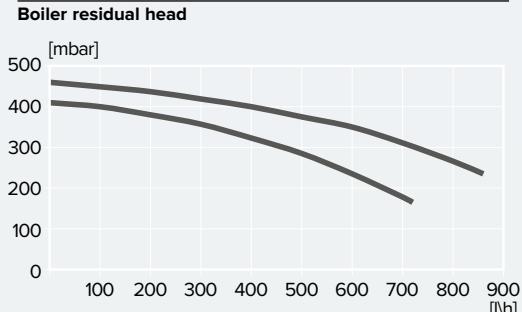
TurboXC™ copper heat exchanger with Turbulators



KEY

- A \ System delivery Ø 3/4" gas
- B \ Domestic hot water Ø 1/2" gas
- C \ Gas inlet Ø 3/4" gas
- D \ Domestic hot water inlet Ø 1/2" gas
- E \ System return Ø 3/4" gas





TECHNICAL DATA		24 FF	28 FF	35 FF
POWER SPECIFICATIONS				
Max/min nominal heat input(Hi)	kw	25,8/11	30/13	34,5/15,0
Max/min nominal heat input (Hs)	kw	28,7/12,2	33,3/14,4	38,3/16,7
Max/min nominal heat input for hot water (Hi)	kw	25,8/11	30/13	34,5/15,0
Max/min nominal heat input for hot water (Hs)	kw	28,7/12,2	33,3/14,4	38,3/16,7
Heat output: max/min	kw	24/9,5	28,1/11,6	32,3/13,2
D.H.W. Heat output: max/min	kw	23,6/10	27,4/11,9	32,2/14
Combustion efficiency (of flue gas)	%	93,7	93,8	93,9
Gross efficiency of nominal heat input (60/80 °C) Hi/Hs	%	93,1/83,8	93,6/84,3	93,6/84,3
Gross efficiency at 30 % at 47°C Hi/Hs	%	93,3/84	93,7/84,4	92,6/83,4
Gross efficiency at minimum power Hi/Hs	%	86,7/8,1	89,3/80,4	88,2/79,4
Number of efficiency stars (Directive 92/42/EEC)	stars	★★★	★★★	★★★
Ma. heat loss to the casing ($\Delta T = 50^\circ\text{C}$)	%	0,6	-	0,3
Heat loss through the flue when burner on	%	6,3	6,5	6,1
Heat loss through the flue when burner off	%	0,4	0,4	0,4
EMISSIONS				
Residual discharge head	Pa	120	145	130
Nox class	class	3	3	3
Flue fumes temperature (G20)	°C	117	110	112
CO2 content2 (G20)	%	6,5	6,1	6,4
CO content (0 %O2)	ppm	60	111	159
O2 content2 (G20)	%	6,5	9,5	9
Max capacity fumes (G20)	kg/h	56,9	71,2	77,2
Excess air	%	72	83	75
HEATING CIRCUIT				
Expansion vessel pre-charged pressure Mpa	bar	1	1	1
Maximum central heating circuit pressure Mpa	bar	3	3	0,3 (3)
Expansion vessel capacity	l	6,5	6,5	8
Central heating temperature: max/min	°C	82/35	35/82	82/35
DOMESTIC HOT WATER CIRCUIT				
Domestic hot water temperature max/min	°C	60/35	60/35	60/36
Specific flow rate of domestic hot water system (10 min. with $\Delta T=30^\circ\text{C}$) instant boilers	l/min	11,2	13,2	15,1
D.H.W. flow rate $\Delta T=25^\circ\text{C}$	l/min	13,5	15,7	18,1
D.H.W. flow rate $\Delta T=35^\circ\text{C}$	l/min	9,6	11,2	13,2
Hot water comfort stars (EN13203)	stars	★★	★★	★★★
D.H.W. minimum flow rate l/min	l/min	2	2	<2
Domestic hot water pressure max/min Mpa	bar	7	7	0,7/0,1 (7/1)
ELECTRICAL				
Power supply voltage/frequency	V/Hz	220/50	220/50	220/50
Power consumption	W	108	131	131
Minimum operating room temperature	°C	5	5	5
Electric system grades of protection	IP	X5D	X5D	X5D
Weight	kg	29	28	32
CODE				
		3301676	3301677	3301678

For complete list of accessories see from page 120 on.

Clas XC System



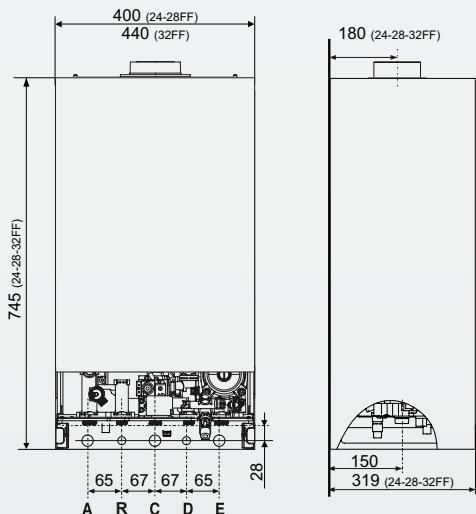
Conventional boiler, ready to use
with external DHW tank

- / Long-lasting, high performances: new TurboXC copper heat exchanger with turbulators coated in aluminum.
- / Increased safety: thanks to multiple protection systems which prevent boiler malfunction in certain conditions.
- / Simplified control: via smartphone with Ariston NET intuitive app (enabled with optional accessory).

Features

- / High Resolution LCD display with responsive buttons
- / Busbridge net communication protocol
- / Anti-freezing safety in case of low external temperature
- / Automatic bypass in case of decreased water flow
- / 2 speed pump with DLC treatment

TurboXC™ copper heat
exchanger with Turbulators



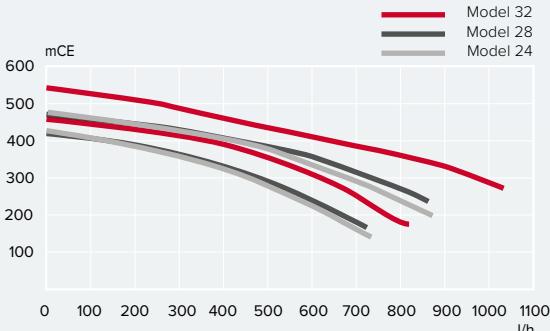
KEY

- A \ Central Heating Flow + Tank Inlet (CLAS X SYSTEM)
- R \ Tank return (CLAS X SYSTEM)
- C \ Gas Inlet
- D \ Domestic Cold Water Inlet
- E \ Central Heating Return

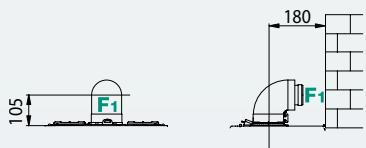




Boiler residual head

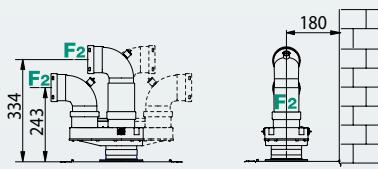


FF Versions - Coaxial exhaust



Ø60/100: up to 4m (24-28 kW) - 2m (32 kW)
Ø80/125: up to 11m (24-28 kW) - 8 m (32 kW)

FF Versions - Twin pipe exhaust



Ø80/80: up to 45m (24kW) - 50m (28kW) - 33m (32 kW)

TECHNICAL DATA

24 FF 28 FF 32 FF

POWER SPECIFICATIONS

Max/min nominal heat input(Hi)	kW	25,8/11,0	30,0/13,0	34,5/15,0
Max/min nominal heat input (Hs)	kW	28,7/12,2	33,3/14,4	38,3/16,7
Max/min nominal heat input for hot water (Hi)	kW	25,8/11,0	30,0/13,0	34,5/15,0
Max/min nominal heat input for hot water (Hs)	kW	28,7/12,2	33,3/14,4	29,6/12,8
Heat output: max/min	kW	24,0/9,5	28,1/11,6	32,3/13,2
D.H.W. Heat output: max/min	kW	23,6/10,0	27,4/11,9	32,2/14,0
Combustion efficiency (of flue gas)	%	93,7	93,8	93,1
Gross efficiency of nominal heat input (60/80 °C) Hi/Hs	%	93,1/83,8	93,6/84,3	91,1/82,0
Gross efficiency at 30 % at 47°C Hi/Hs	%	93,3/84,0	93,7/84,4	89,9/80,9
Gross efficiency at minimum power Hi/Hs	%	86,7/78,1	89,3/80,4	85,0/76,5
Number of efficiency stars (Directive 92/42/EEC)	stars	★★★	★★★	★★★
Ma. heat loss to the casing ($\Delta T = 50^\circ\text{C}$)	%	0,6		2
Heat loss through the flue when burner on	%	6,3	6,5	6,9
Heat loss through the flue when burner off	%	0,4	0,4	0,4

EMISSIONS

Residual discharge head	Pa	120	145	130
Nox class	class	3	3	3
Flue fumes temperature (G20)	°C	117	113	125
CO2 content2 (G20)	%	6,5	6	6,4
CO content (0 %O2)	ppm	60	111	141
O2 content2 (G20)	%	8,8	9,7	9
Max capacity fumes (G20)	kg/h	56,9	71,2	77,2
Excess air	%	72	86	75

HEATING CIRCUIT

Expansion vessel pre-charged pressure	Mpa (bar)	0,1 (1)	0,1 (1)	0,1 (1)
Maximum central heating circuit pressure	Mpa (bar)	0,3 (3)	0,3 (3)	0,3 (3)
Expansion vessel capacity	l	8	8	8
Central heating temperature: max/min	°C	82/35	82/35	82/35

DOMESTIC HOT WATER CIRCUIT

Domestic hot water temperature (SYSTEM MOD.)	max/min	60/40	60/40	60/40
--	---------	-------	-------	-------

ELECTRICAL

Power supply voltage/frequency	V/Hz	220/50	220/50	220/50
Power consumption	W	108	131	127
Minimum operating room temperature	°C	5	5	5
Electric system grades of protection	IP	X5D	X5D	X5D
Weight	kg	29	28	31

CODE

3301679 3301680 3301681

For complete list of accessories see from page 120 on.

Cares XC



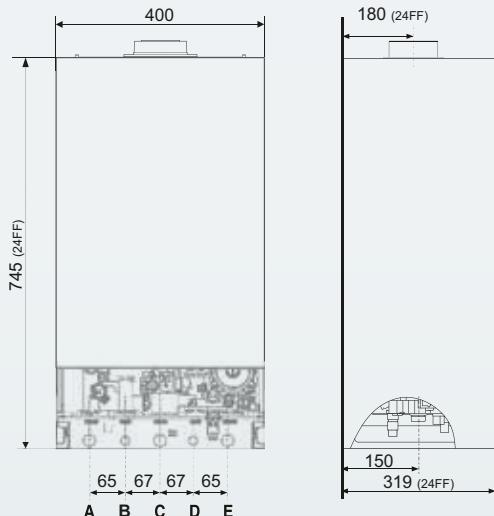
Compact conventional boiler

- / Long-lasting, high performances: new TurboXC copper heat exchanger with turbulators coated in aluminum.
- / Everywhere fitting: thanks to the compact design and silent operation.
- / Increased safety: thanks to multiple protection systems which prevent boiler malfunction in certain conditions.

Features

- / High Resolution LCD display with responsive buttons
- / Busbridge net communication protocol
- / Anti-freezing safety in case of low external temperature
- / Automatic bypass in case of decreased water flow

**TurboXC™ copper heat
exchanger with Turbulators**



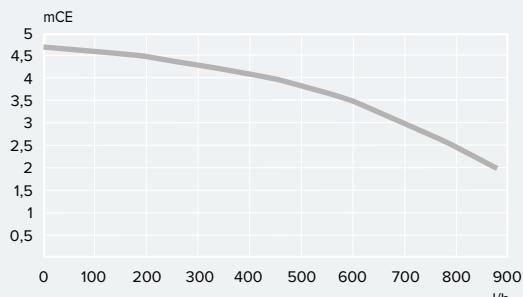
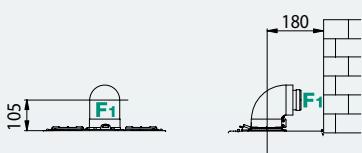
KEY

- A \ Central Heating Flow
- B \ Domestic Hot Water Outlet
- C \ Gas Inlet
- D \ Domestic Cold Water Inlet
- E \ Central Heating Return





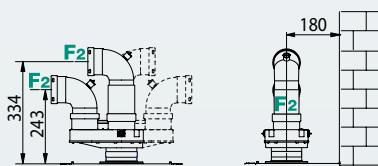
EASY TO USE

EASY
INSTALLATIONEASY
MAINTENANCESYSTEM
MANAGEMENTMADE
IN ITALY**Boiler residual head****FF Versions - Coaxial exhaust**

Max lenght:

Ø60/100: up to 4m (15-18-24 kW)

Ø80/125: up to 11m (15-18-24 kW)

FF Versions - Twin pipe exhaust

Max lenght:

Ø80/80: up to 45m (15-18-24 kW)

TECHNICAL DATA**10 FF 15 FF 18 FF 24 FF****POWER SPECIFICATIONS**

Max/min nominal heat input(Hi)	kW	11,0/11,0	15,0/11,0	19,0/11,0	25,8/11,0
Max/min nominal heat input (Hs)	kW	12,2/12,2	16,7/12,2	21,1/12,2	28,7/12,2
Max/min nominal heat input for hot water (Hi)	kW	25,8/11,0	25,8/11,0	25,8/11,0	25,8/11,0
Max/min nominal heat input for hot water (Hs)	kW	28,7/12,2	28,7/12,2	28,7/12,2	28,7/12,2
Heat output: max/min	kW	9,5/9,5	13,5/9,5	17,8/9,5	24,0/9,5
D.H.W. Heat output: max/min	kW	23,6/10,0	23,6/10,0	23,6/10,0	23,6/10,0
Combustion efficiency (of flue gas)	%	86,41	92,9	93,8	93,7
Gross efficiency of nominal heat input (60/80 °C) Hi/Hs	%	86,7/78,1	90,2/81,2	93,6/84,3	93,1/83,8
Gross efficiency at 30 % at 47°C Hi/Hs	%	86,7/78,1	89,3/80,4	92,4/83,2	93,3/84,0
Gross efficiency at minimum power Hi/Hs	%	86,7/78,1	86,7/78,1	86,7/78,1	86,7/78,1
Number of efficiency stars (Directive 92/42/EEC)	stars	★	★★	★★★	★★★
Ma. heat loss to the casing ($\Delta T = 50^\circ\text{C}$)	%	-	2,7	0,2	0,6
Heat loss through the flue when burner on	%	13,6	7,1	6,2	6,3
Heat loss through the flue when burner off	%	0,4	0,4	0,4	0,4

EMISSIONS

Residual discharge head	Pa	120	120	120	120
Nox class	class	3	3	3	3
Flue fumes temperature (G20)	°C	101	115	115	117
CO2 content2 (G20)	%	2,3	5,5	6,5	6,5
CO content (0 %02)	ppm	75	40	22	60
O2 content2 (G20)	%	16,5	10,6	8,8	8,8
Max capacity fumes (G20)	kg/h	56,9	56,9	56,9	56,9
Excess air	%	367	101	72	72

HEATING CIRCUIT

Expansion vessel pre-charged pressure	Mpa (bar)	0,1 (1)	0,1 (1)	0,1 (1)	0,1 (1)
Maximum central heating circuit pressure	Mpa (bar)	0,3 (3)	0,3 (3)	0,3 (3)	0,3 (3)
Expansion vessel capacity	l	8	8	8	8
Central heating temperature: max/min	°C	82/35	82/35	82/35	82/35

DOMESTIC HOT WATER CIRCUIT

Domestic hot water temperature max/min	°C	60 60/36/36	60/36	60/36	60/36
Specific flow rate of domestic hot water system (10 min. with $\Delta T=30^\circ\text{C}$) instant boilers	l/min	11 11,2,2	11,2	11,2	11,2
D.H.W. flow rate $\Delta T=25^\circ\text{C}$	l/min	13,5	13,5	13,5	13,5
D.H.W. flow rate $\Delta T=35^\circ\text{C}$	l/min	9,6	9,6	9,6	9,6
Hot water comfort stars (EN13203)	stars	★★	★★	★★	★★
D.H.W. minimum flow rate	l/min	<2	<2	<2	<2
Domestic hot water pressure max/min	Mpa (bar)	0,7/0,1 (7/1)	0,7/0,1 (7/1)	0,7/0,1 (7/1)	0,7/0,1 (7/1)

ELECTRICAL

Power supply voltage/frequency	V/Hz	220/50	220/50	220/50	220/50
Power consumption	W	112	112	112	112
Minimum operating room temperature	°C	5	5	5	5
Electric system grades of protection	IP	X5D	X5D	X5D	X5D
Weight	kg	28	28	28	28

CODE

3301685 3301684 3301683 3301682

For complete list of accessories see from page 120 on.

Ariston open chamber wall hung boiler range



	ALTEAS X		GENUS X	
	24	30	24	30
ENERGY SAVING	Up to 15%*		Up to 15%*	
POWER RANGE	Combi CF 24-30 kW		Combi CF 24-30 kW	
EFFICIENCY	Up to 93,6% & Reduced electrical consumption		Up to 93,6% & Reduced electrical consumption	
CONNECTIVITY	Wi-Fi embedded		READY FOR BusBridgeNetR	
DISPLAY	Large LCD & Touch screen display		Large LCD & Touch screen display	
SILENCE	Modulating pump and insulating panels		Modulating pump and insulating panels	
COMFORT FUNCTION				
DESIGN	Glass frontal panel, black color, compact structure, Italian design. Dimensions (H x L x W) 745 x 400 x 315 mm		Black and white color design, compact structure, Italian design. Dimensions (H x L x W) 745 x 400 x 315 mm	
INTEGRATION WITH OTHER PRODUCTS	BusBridgeNetR technology ready, Solar System management		BusBridgeNetR technology ready, Solar System management	
PAGE	98		100	



CLAS X	CARES X	
24	15	24
Up to 13%*		Up to 13%*
Combi CF 24 kW System CF 15-24 kW		Combi CF 15-24 kW System CF 24 kW
Up to 93,6%		Up to 93,6%
Large LCD Display		Large LCD Display
-		-
Compact structure, Italian design. Dimensions (H x L x W) 745 x 400 x 315 mm		Compact structure, Italian design. Dimensions (H x L x W) 745 x 400 x 315 mm
BusBridgeNetR technology ready, Solar System management		BusBridgeNetR technology ready
102 - 104 (heating only version)		106 - 108 (heating only version)

Alteas X



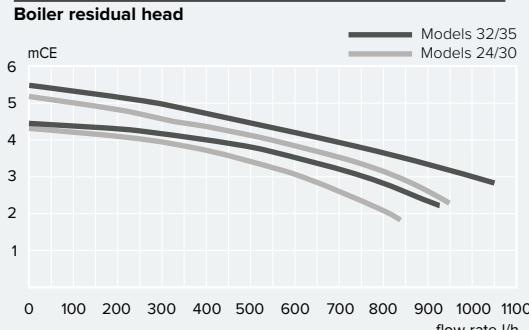
Conventional boiler, italian designed
and integrated connectivity

- / Simplified control: via smartphone with Ariston NET intuitive app.
- / Elegant italian design to match any home: large touchscreen display and scratch proof tempered glass.

Features

- / High Resolution LCD display
- / Busbridge net communication protocol
- / Optimized acoustic silence
- / Auto, Comfort, Holiday and automatic scheduled maintenance reminder
- / Anti-freezing safety in case of low external temperature

The image contains two parts. On the left is a technical cross-sectional diagram of the boiler. It shows dimensions: width 400 (24CF) and 440 (30CF), height 770 (24-30CF), and depth 191 (24-30CF). Below these are five points labeled A through E, with horizontal distances of 65, 67, 67, and 65 indicated between them. A key below the diagram defines the symbols: A \ Central Heating Flow, B \ Domestic Hot Water Outlet, C \ Gas Inlet, D \ Domestic Cold Water Inlet, and E \ Central Heating Return. On the right is a photograph of the boiler installed in a modern kitchen. It is mounted on a light-colored wall next to a built-in oven and a refrigerator. The boiler has a sleek, dark design with a digital display and control panel.



CF Version - Natural draught



TECHNICAL DATA

24 CF

30 CF

POWER SPECIFICATIONS

Max/min nominal heat input(Hi)	kW	25,8/11,0	29,5/13,0
Max/min nominal heat input (Hs)	kW	28,7/12,2	32,8/14,4
Max/min nominal heat input for hot water (Hi)	kW	27,0/11,0	30,5/13,0
Max/min nominal heat input for hot water (Hs)	kW	30,0/12,2	33,9/14,4
Heat output: max/min	kW	23,7/9,9	26,5/11,2
D.H.W. Heat output: max/min	kW	25,0/10,2	27,9/11,9
Combustion efficiency (of flue gas)	%	92,7	92,8
Gross efficiency of nominal heat input (60/80 °C) Hi/Hs	%	91,9/82,8	89,9/81,0
Gross efficiency at 30 % at 47°C Hi/Hs	%	91,2/82,1	89,7/80,8
Gross efficiency at minimum power Hi/Hs	%	90,2/81,2	86,5/77,9
Number of efficiency stars (Directive 92/42/EEC)	stars	★★	★★
Ma. heat loss to the casing ($\Delta T = 50^\circ\text{C}$)	%	0,8	2,9
Heat loss through the flue when burner on	%	7,3	7,2
Heat loss through the flue when burner off	%	0,4	0,4

EMISSIONS

Residual discharge head	Pa	-	-
Minimun draw	Pa	4,1	4,3
Nox class	class	2	2
Flue fumes temperature (G20)	°C	116	125
CO2 content2 (G20)	%	5,4	6,1
CO content (0 %O2)	ppm	54	44
O2 content2 (G20)	%	10,8	9,5
Max capacity fumes (G20)	kg/h	67,2	70,2
Excess air	%	105	83

HEATING CIRCUIT

Expansion vessel pre-charged pressure	Mpa (bar)	0,1 (1)	0,1 (1)
Maximum central heating circuit pressure	Mpa (bar)	0,3 (3)	0,3 (3)
Expansion vessel capacity	l	8	8
Central heating temperature: max/min	°C	82/35	82/35

DOMESTIC HOT WATER CIRCUIT

Domestic hot water temperature max/min	°C	60/36	60/36
Specific flow rate of domestic hot water system (10 min. with $\Delta T=30^\circ\text{C}$) instant boilers	l/min	11,8	13,2
D.H.W. flow rate $\Delta T=25^\circ\text{C}$	l/min	14,3	16
D.H.W. flow rate $\Delta T=35^\circ\text{C}$	l/min	10,2	11,4
Hot water comfort stars (EN13203)	stars	★★	★★
D.H.W. minimum flow rate	l/min	<2	<2
Domestic hot water pressure max/min	Mpa (bar)	0,7/0,1 (7/1)	0,7/0,1 (7/1)

ELECTRICAL

Power supply voltage/frequency	V/Hz	220/50	220/50
Power consumption	W	50	50
Minimum operating room temperature	°C	5	5
Electric system grades of protection	IP	X5D	X5D
Weight	kg	27	28

CODE

3300844 3300846

For complete list of accessories see from page 120 on.

Genus X



Conventional boiler with connectivity capabilities

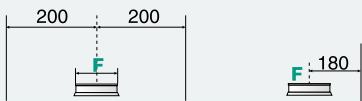
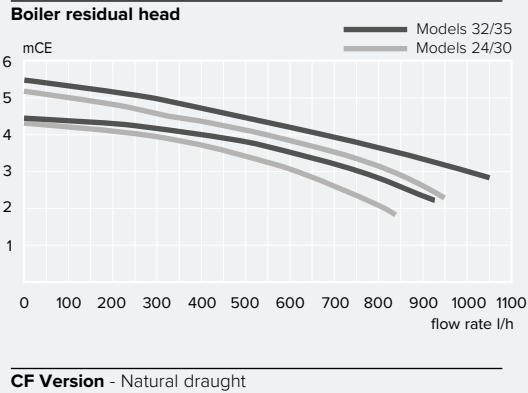
/ Simplified control: via smartphone with Ariston NET intuitive app (enabled with optional accessory).

Features

- / High Resolution LCD display
- / Elegant design
- / Busbridge net communication protocol
- / Optimized acoustic silence
- / Boiler protection from water impurities
- / Anti-freezing safety in case of low external temperature

KEY
A \ Central Heating Flow
B \ Domestic Hot Water Outlet
C \ Gas Inlet
D \ Domestic Cold Water Inlet
E \ Central Heating Return





TECHNICAL DATA		24 CF	30 CF
POWER SPECIFICATIONS			
Max/min nominal heat input(Hi)	kW	25,8/11,0	29,5/13,0
Max/min nominal heat input (Hs)	kW	28,7/12,2	32,8/14,4
Max/min nominal heat input for hot water (Hi)	kW	27,0/11,0	30,5/13,0
Max/min nominal heat input for hot water (Hs)	kW	30,0/12,2	33,9/14,4
Heat output: max/min	kW	23,7/9,9	26,5/11,2
D.H.W. Heat output: max/min	kW	25,0/10,2	27,9/11,9
Combustion efficiency (of flue gas)	%	92,7	92,8
Gross efficiency of nominal heat input (60/80 °C) Hi/Hs	%	91,9/82,8	89,9/81,0
Gross efficiency at 30 % at 47°C Hi/Hs	%	91,2/82,1	89,7/80,8
Gross efficiency at minimum power Hi/Hs	%	90,2/81,2	86,5/77,9
Number of efficiency stars (Directive 92/42/EEC)	stars	★★	★★
Ma. heat loss to the casing ($\Delta T = 50^\circ\text{C}$)	%	0,8	2,9
Heat loss through the flue when burner on	%	7,3	7,2
Heat loss through the flue when burner off	%	0,4	0,4
EMISSIONS			
Residual discharge head	Pa	-	-
Minimun draw	Pa	4,1	4,3
Nox class	class	2	2
Flue fumes temperature (G20)	°C	116	125
CO2 content2 (G20)	%	5,4	6,1
CO content (0 %O2)	ppm	54	44
O2 content2 (G20)	%	10,8	9,5
Max capacity fumes (G20)	kg/h	67,2	70,2
Excess air	%	105	83
HEATING CIRCUIT			
Expansion vessel pre-charged pressure	Mpa (bar)	0,1 (1)	0,1 (1)
Maximum central heating circuit pressure	Mpa (bar)	0,3 (3)	0,3 (3)
Expansion vessel capacity	l	8	8
Central heating temperature: max/min	°C	82/35	82/35
DOMESTIC HOT WATER CIRCUIT			
Domestic hot water temperature max/min	°C	60/36	60/36
Specific flow rate of domestic hot water system (10 min. with $\Delta T=30^\circ\text{C}$) instant boilers	l/min	11,8	13,2
D.H.W. flow rate $\Delta T=25^\circ\text{C}$	l/min	14,3	16
D.H.W. flow rate $\Delta T=35^\circ\text{C}$	l/min	10,2	11,4
Hot water comfort stars (EN13203)	stars	★★	★★
D.H.W. minimum flow rate	l/min	<2	<2
Domestic hot water pressure max/min	Mpa (bar)	0,7/0,1 (7/1)	0,7/0,1 (7/1)
ELECTRICAL			
Power supply voltage/frequency	V/Hz	220/50	220/50
Power consumption	W	50	50
Minimum operating room temperature	°C	5	5
Electric system grades of protection	IP	X5D	X5D
Weight	kg	27	28
CODE			
		3300850	3300852

For complete list of accessories see from page 120 on.

Clas X



Conventional boiler with wide range of functions

/ Simplified control: via smartphone with Ariston NET intuitive app (enabled with optional accessory).

Energy Class



Features

/ LCD display

/ Elegant design

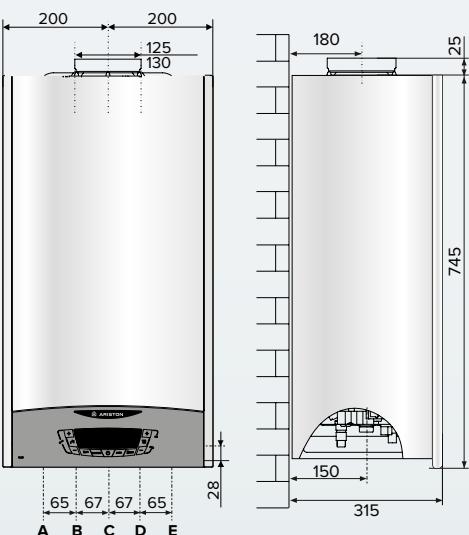
/ Busbridge net communication protocol

/ Auto, Comfort, multi-zone and multi-temperature control

/ High efficiency circulator pump

/ Boiler protection from water impurities

/ Anti-freezing safety in case of low external temperature



KEY

A \ System delivery Ø 3/4" gas

B \ Domestic hot water Ø 1/2" gas

C \ Gas inlet Ø 3/4" gas

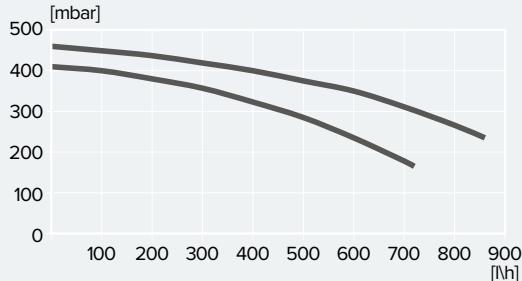
D \ Domestic hot water inlet Ø 1/2" gas

E \ System return Ø 3/4" gas





Boiler residual head



CF versions - Natural draught



Description	N° of boilers per pallet
CLAS X 24 CF	14
CLAS X 28 CF	12

TECHNICAL DATA

24 CF NG

POWER SPECIFICATIONS

Max/min nominal calorific flow rate (Hi)	kW	25,8/11
Max/min nominal calorific flow rate (Hs)	kW	28,7/12,2
Domestic hot water max/min nominal calorific flow rate (Hi)	kW	27/11
Domestic hot water max/min nominal calorific flow rate (Hs)	kW	30/12,2
Max/min power output (80°C-60°C)	kW	23,7/9,9
Domestic hot water max/min power output	kW	25/10,2
Combustion efficiency (of flue gas)	%	92,9
Nominal calorific flow rate efficiency (60/80°C) Hi/Hs	%	91,9/82,8
Efficiency at 30% at 47°C Hi/Hs	%	91,2/81,2
Minimum calorific flow rate efficiency (60/80°C) Hi/Hs	%	90,2/81,2
Efficiency rating (dir. 92/42/EEC)	★★	
Sedbuk class classe	D	
Loss of burner gas when operating	%	7,3

EMISSIONS

Available air pressure	Pa	-
NoX class classe		2
Flue gas temperature (G20) (80°C-60°C)	°C	116
CO2 content (G20) (80°C-60°C)	%	5,4
CO content (0%O2) (80°C-60°C)	ppm	54
O2 content (G20) (80°C-60°C)	%	10,8
Maximum flue gas flow (G20) (80°C-60°C)	Kg/h	67,2
Excess air (80°C-60°C)	%	105

HEATING CIRCUIT

Expansion chamber inflation pressure	bar	1
Maximum heating pressure	bar	3
Expansion chamber capacity	l	6,5
Central heating temperature: max/min	°C	82/35

DOMESTIC HOT WATER CIRCUIT

Domestic hot water max/min temperature	°C	60/36
Specific flow rate of domestic hot water (10 min - ΔT=30°C)	l/min	11,8
Quantity of hot water ΔT=25°C	l/min	14,3
Quantity of hot water ΔT=35°C	l/min	10,2
Hot water comfort rating (EN13203)	★★	
Hot water minimum flow rate	l/min	2
Domestic hot water max pressure	bar	7

ELECTRICAL

Power supply frequency/voltage	V/Hz	230/50
Total electrical power absorbed	W	78
Minimum ambient temperature for use	°C	5
Protection level for the electrical appliance	IP	X4D
Weight	kg	27

CODE

3300866

For complete list of accessories see from page 120 on.

Clas X System



Conventional boiler with wide range of functions, ready to use with external DHW tank

/ Simplified control: via smartphone with Ariston NET intuitive app (enabled with optional accessory).

Features

- / High resolution LCD display
- / Elegant design
- / Auto, Comfort, multi-zone and multi-temperature control
- / Busbridge net communication protocol
- / Boiler protection from water impurities
- / Anti-freezing safety in case of low external temperature

The image contains two main parts: a technical drawing on the left and a photograph on the right. The technical drawing shows front and side views of the boiler with dimensions: top width 400 (24CF) / 440 (28CF), side height 770 (24-28CF), side width 191 (24-28CF), bottom width 150, and bottom depth 315 (24-28CF). A key below the drawing identifies ports: A \ Central Heating Flow + Tank Inlet (CLAS X SYSTEM), R \ Tank return (CLAS X SYSTEM), C \ Gas Inlet, D \ Domestic Cold Water Inlet, and E \ Central Heating Return. The photograph on the right shows the boiler installed in a kitchen cabinet next to a window, with a bowl of fruit on the counter in front.

KEY

A \ Central Heating Flow + Tank Inlet (CLAS X SYSTEM)
R \ Tank return (CLAS X SYSTEM)
C \ Gas Inlet
D \ Domestic Cold Water Inlet
E \ Central Heating Return

ARISTON | 104



ITALIAN DESIGN



AUTO FUNCTION



COMFORT FUNCTION



EASY TO USE



EASY INSTALLATION



EASY MAINTENANCE



SYSTEM MANAGEMENT



TECHNICAL DATA

POWER SPECIFICATIONS

	24 CF	28 CF
Max/min nominal heat input(Hi)	kW	25,8/11,0
Max/min nominal heat input (Hs)	kW	28,7/12,2
Max/min nominal heat input for hot water (Hi)	kW	27,0/11,0
Max/min nominal heat input for hot water (Hs)	kW	30,0/12,2
Heat output: max/min	kW	23,7/9,9
D.H.W. Heat output: max/min	kW	25,0/10,2
Combustion efficiency (of flue gas)	%	92,7
Gross efficiency of nominal heat input (60/80 °C) Hi/Hs	%	91,9/82,8
Gross efficiency at 30 % at 47°C Hi/Hs	%	91,2/82,1
Gross efficiency at minimum power Hi/Hs	%	90,2/81,2
Number of efficiency stars (Directive 92/42/EEC)	stars	★★
Ma. heat loss to the casing ($\Delta T = 50^\circ\text{C}$)	%	0,8
Heat loss through the flue when burner on	%	7,3
Heat loss through the flue when burner off	%	0,4

EMISSIONS

Residual discharge head	Pa	-	-
Minimun draw	Pa	4,1	4,3
Nox class	class	2	2
Flue fumes temperature (G20)	°C	116	125
CO2 content2 (G20)	%	5,4	6,1
CO content (0 %O2)	ppm	54	44
O2 content2 (G20)	%	10,8	9,5
Max capacity fumes (G20)	kg/h	67,2	70,2
Excess air	%	105	83

HEATING CIRCUIT

Expansion vessel pre-charged pressure	Mpa (bar)	0,1 (1)	0,1 (1)
Maximum central heating circuit pressure	Mpa (bar)	0,3 (3)	0,3 (3)
Expansion vessel capacity	l	8	8
Central heating temperature: max/min	°C	82/35	82/35

DOMESTIC HOT WATER CIRCUIT

Domestic hot water temperature (SYSTEM MOD.) max/min	60/40	60/40
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ELECTRICAL

Power supply voltage/frequency	V/Hz	220/50	220/50
Power consumption	W	78	78
Minimum operating room temperature	°C	5	5
Electric system grades of protection	IP	X5D	X5D
Weight	kg	27	28

CODE

3300867	3300868
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For complete list of accessories see from page 120 on.

Cares X



Compact Conventional boiler

- / Everywhere fitting: compact design.
- / Simplified control: via smartphone with Ariston NET intuitive app (enabled with optional accessory).

Features

- / LCD display and intuitive menu
- / Boiler protection from water impurities
- / Anti-freezing safety in case of low external temperature

The technical section includes two detailed line drawings of the boiler's front and side profiles, showing dimensions and connection points. The front view shows a height of 770 (24CF) and a width of 400. The side view shows a height of 191 (24CF) and a depth of 150, with a total width of 315 (24CF). A key below the drawings identifies the connection points: A \ Central Heating Flow, B \ Domestic Hot Water Outlet, C \ Gas Inlet, D \ Domestic Cold Water Inlet, and E \ Central Heating Return. To the right of the drawings are two photographs: one showing the boiler installed in a modern kitchen cabinet, and another showing it mounted on a wall next to a vertical pipe.

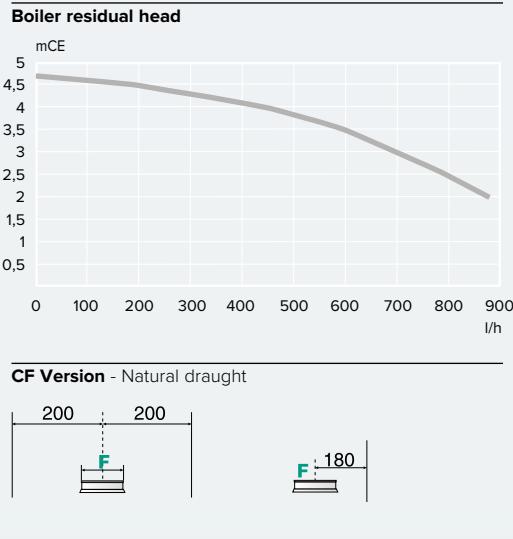
KEY

A \ Central Heating Flow
B \ Domestic Hot Water Outlet
C \ Gas Inlet
D \ Domestic Cold Water Inlet
E \ Central Heating Return

ARISTON | 106



EASY TO USE

EASY
INSTALLATIONEASY
MAINTENANCESYSTEM
MANAGEMENTMADE
IN ITALY**TECHNICAL DATA****15 CF****24 CF NG****POWER SPECIFICATIONS**

Max/min nominal heat input(Hi)	kW	16,5/11,0	25,8/11,0
Max/min nominal heat input (Hs)	kW	18,3/12,2	28,7/12,2
Max/min nominal heat input for hot water (Hi)	kW	27,0/11,0	27,0/11,0
Max/min nominal heat input for hot water (Hs)	kW	30,0/12,2	30,0/12,2
Heat output: max/min	kW	14,9/9,9	23,7/9,9
D.H.W. Heat output: max/min	kW	25,0/10,2	25,0/10,2
Combustion efficiency (of flue gas)	%	90,9	92,7
Gross efficiency of nominal heat input (60/80 °C) Hi/Hs	%	90,2/81,2	91,9/82,8
Gross efficiency at 30 % at 47°C Hi/Hs	%	89,5/80,6	91,2/82,1
Gross efficiency at minimum power Hi/Hs	%	90,2/81,8	90,2/81,2
Number of efficiency stars (Directive 92/42/EEC)	stars	★★	★★
Ma. heat loss to the casing ($\Delta T = 50^\circ\text{C}$)	%	0,7	0,8
Heat loss through the flue when burner on	%	9,1	7,3
Heat loss through the flue when burner off	%	0,4	0,4

EMISSIONS

Residual discharge head	Pa	-	-
Minimun draw	Pa	3,6	4,1
Nox class	class	2	2
Flue fumes temperature (G20)	°C	98	116
CO2 content2 (G20)	%	3,4	5,4
CO content (0 %O2)	ppm	14	54
O2 content2 (G20)	%	14,4	10,8
Max capacity fumes (G20)	kg/h	67,2	67,2
Excess air	%	219	105

HEATING CIRCUIT

Expansion vessel pre-charged pressure	Mpa (bar)	0,1 (1)	0,1 (1)
Maximum central heating circuit pressure	Mpa (bar)	0,3 (3)	0,3 (3)
Expansion vessel capacity	l	8	8
Central heating temperature: max/min	°C	82/35	82/35

DOMESTIC HOT WATER CIRCUIT

Domestic hot water temperature max/min	°C	60/36	60/36
Specific flow rate of domestic hot water system (10 min. with $\Delta T=30^\circ\text{C}$) instant boilers	l/min	11,8	11,8
D.H.W. flow rate $\Delta T=25^\circ\text{C}$	l/min	14,3	14,3
D.H.W. flow rate $\Delta T=35^\circ\text{C}$	l/min	10,2	10,2
Hot water comfort stars (EN13203)	stars	★★	★★
D.H.W. minimum flow rate	l/min	<2	<2
Domestic hot water pressure max/min	Mpa (bar)	0,7/0,1 (7/1)	0,7/0,1 (7/1)

ELECTRICAL

Power supply voltage/frequency	V/Hz	220/50	220/50
Power consumption	W	78	78
Minimum operating room temperature	°C	5	5
Electric system grades of protection	IP	X4D	X4D
Weight	kg	26	26

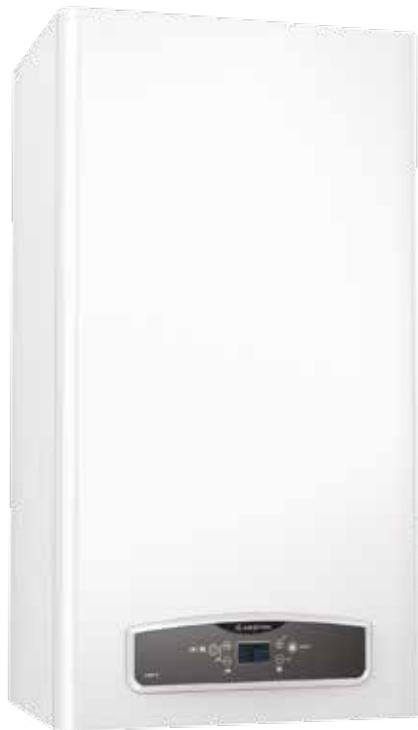
CODE

3300889

3300888

For complete list of accessories see from page 120 on.

Cares X System



Compact Conventional boiler, ready to use with external DHW tank

- / Everywhere fitting: compact design.
- / Simplified control: via smartphone with Ariston NET intuitive app (enabled with optional accessory).

Features

- / LCD display and intuitive menu
- / Boiler protection from water impurities
- / Anti-freezing safety in case of low external temperature

The technical drawing illustrates the dimensions and connection points for the Cares X System boiler. It shows two views: a front view and a side view. The front view indicates a width of 400 mm and a height of 770 (24CF). The side view indicates a depth of 191 (24CF) and a side panel width of 150 mm, resulting in a total width of 315 (24CF). Connection points are labeled A through E: A (Central Heating Flow + Tank Inlet), R (Tank return (CARES X SYSTEM)), C (Gas Inlet), D (Domestic Cold Water Inlet), and E (Central Heating Return).
KEY
A \ Central Heating Flow + Tank Inlet
R \ Tank return (CARES X SYSTEM)
C \ Gas Inlet
D \ Domestic Cold Water Inlet
E \ Central Heating Return

Two photographs show the Cares X System boiler installed in a modern home. On the left, it is mounted on a wall in a kitchen area with a red artwork above it. On the right, it is mounted on a wall in a bathroom, with a close-up view of its front panel and a vertical pipe below it.



EASY TO USE



EASY INSTALLATION



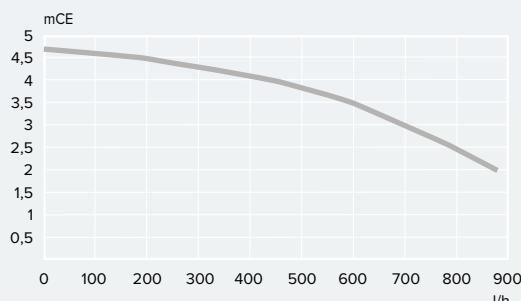
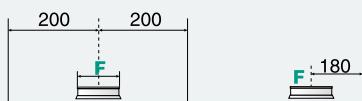
EASY MAINTENANCE



SYSTEM MANAGEMENT



MADE IN ITALY

Boiler residual head**CF Version - Natural draught****TECHNICAL DATA****24 CF****POWER SPECIFICATIONS**

Max/min nominal heat input(Hi)	kW	25,8/11,0
Max/min nominal heat input (Hs)	kW	28,7/12,2
Max/min nominal heat input for hot water (Hi)	kW	27,0/11,0
Max/min nominal heat input for hot water (Hs)	kW	30,0/12,2
Heat output: max/min	kW	23,7/9,9
D.H.W. Heat output: max/min	kW	25,0/10,2
Combustion efficiency (of flue gas)	%	92,7
Gross efficiency of nominal heat input (60/80 °C) Hi/Hs	%	91,9/82,8
Gross efficiency at 30 % at 47°C Hi/Hs	%	91,2/82,1
Gross efficiency at minimum power Hi/Hs	%	90,2/81,2
Number of efficiency stars (Directive 92/42/EEC)	stars	**
Ma. heat loss to the casing ($\Delta T = 50^\circ\text{C}$)	%	0,8
Heat loss through the flue when burner on	%	7,3
Heat loss through the flue when burner off	%	0,4

EMISSIONS

Residual discharge head	Pa	-
Minimun draw	Pa	4,1
Nox class	class	2
Flue fumes temperature (G20)	°C	116
CO2 content2 (G20)	%	5,4
CO content (0 %O2)	ppm	54
O2 content2 (G20)	%	10,8
Max capacity fumes (G20)	kg/h	67,2
Excess air	%	105

HEATING CIRCUIT

Expansion vessel pre-charged pressure	Mpa (bar)	0,1 (1)
Maximum central heating circuit pressure	Mpa (bar)	0,3 (3)
Expansion vessel capacity	l	8
Central heating temperature: max/min	°C	82/35

DOMESTIC HOT WATER CIRCUIT

Domestic hot water temperature (SYSTEM MOD.) max/min	°C	60/40
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ELECTRICAL

Power supply voltage/frequency	V/Hz	220/50
Power consumption	W	78
Minimum operating room temperature	°C	5
Electric system grades of protection	IP	X5D
Weight	kg	26

CODE

3300891

For complete list of accessories see from page 120 on.

Thermostats





Have your domestic comfort always at your fingertips. Ariston thermostats allow you to easily create and control multiple-zone systems, including wireless ones or using an external sensor, whilst optimising the performances of each part of the system.

- Sensys NET
- Cube range

Comfort control

The complete offer of Ariston thermoregulation

All hybrid systems are equipped with the **Sensys HD** and **Sensys NET HD** system interface, the innovative Ariston unit capable of managing and programming the entire system.

Thanks to the new connected thermostats it is also possible to control the system remotely and just with the voice.



Sensys NET HD



Sensys HD



External sensor

Sensys NET HD

Sensys HD system interface with Ariston NET connectivity. Experience a simpler life in a smarter home with Ariston NET powerful app which allows remote control, energy reports, maintenance reminders, performance notifications and much more.

Sensys HD

A brand new system manager. Easy to use thanks to a consumer friendly interface which allow a simple setting but powerful functionalities. An elegant and modern design which fits any ambient and home.

Outdoor sensor

It continuously monitors the outdoor temperature in real time, allowing it to anticipate and react to changing environmental conditions.



Cube S NET



JUST ASK
amazon alexa

works with the
Google Assistant

Works with
Apple HomeKit

Cube

Cube RF

Cube S NET

It is the thermostat which includes Ariston NET connectivity. Large display and touchscreen interface, easy to install and powered directly from the Bus. In automatic mode, it downloads the outdoor temperature from the internet to further increase comfort in the home in both summer and winter.

Cube

Room thermostat suitable for multi-zone management. Small, easy to use and compatible with Ariston boilers, heat pumps and hybrid systems. No batteries are required as it is powered directly from the bus. Perfect for multi-zone management up to 6 zones.

Cube RF

Using radio technology, it is possible to create wireless systems for up to 6 zones. Creating a multi-zone system has never been so easy and convenient.

Sensys HD range

modern design, advanced features



The new Sensys HD range is designed to help you achieve **superior comfort in the most efficient and intuitive way**.

With its advanced capabilities, the new modulating chrono-thermostat allows you to create a **custom heating experience** using multi-temperature programming and multi-zone control, **optimize your energy usage and save on bills**.

Distinguishing itself with sleek design, elegant materials and high-tech interface, not only will Sensys HD **simplify your everyday life** with precise and flawless comfort control, but will also add a touch of class to any home.

Advanced Capabilities

The center of your comfort

Take complete control of your home comfort. Equipped with the **BUS BridgeNet®** protocol, the new Sensys HD range offers an easy-to-use control center with advanced features and functions to let you create a **custom heating experience** and manage your heating settings in the most convenient way possible.

Multi-temperature programming

Create a **daily and weekly temperature schedule** to always have the right temperature at the right time.

Multi-zone temperature management

Set up different temperatures for **up to six different zones** within your home and control them independently.

Operating modes and special functions

Choose between different modes and special functions, **depending on your needs** (e.g. Silent mode HHP, Boost HPWH function, Holiday mode, Comfort function, Auto function, etc.).

Ariston NET App

Home gets smarter, life gets simpler



Sensys HD can become the key to access the smart home world and simplify your daily life by simply adding an **Ariston Gateway** to it*. Control via the **Ariston NET App** allows you to **control your heating from wherever you are, save up 25% on bills**, and receive technical assistance*** direct to your phone**. With Ariston NET you can also manage your personal comfort with the sound of your **voice******.

FREE DOWNLOAD

Download Ariston NET App now for free from:



* The Ariston Gateway is included in the Sensys HD NET version.

** Saving calculated between a conventional product and a condensing one equipped with an Ariston programmable smart thermostat and Ariston NET App, including its Net Weather functionality.

*** The remote assistance service is subject to the contractual terms between Service Centre and End User.

**** Works with JUST ASK amazon alexa

works with the Google Assistant

Stylish design

Intuitive and high-tech

Designed to look great into any modern home, Sensys HD is a captivating creation by the Italian designer Umberto Palermo. The product comes in **two colours, black or white**, and is characterised by innovative lines, sleek materials, a **high-resolution colour display** (TFT 4.3"), and by a back-lit control panel that ensures **perfect readability** also in the dark. The touch buttons on the side and the easy push-knob adjustment will make comfort control **even simpler and more convenient**.



Sustainable efficiency

Best for you, better for the planet



Thanks to its **advanced modulation algorithm**, the new modulating chrono-thermostat enables your heating system to run at its most efficient. Not only that: the easy-to-read **graphs and charts** let you keep track of your consumptions and costs, so you can learn **how to optimize your usage and contribute to a better future for our planet**.

Easy diagnostics

Quick set-up and maintenance

Sensys HD guarantees a **pleasant user experience** to both novice and expert users, while also streamlining professional maintenance. In addition, it offers a **guided configuration menu** designed to assist technicians through the initial set-up process.



Sensys NET HD



- / Ariston NET app: easy interaction via smartphone, up to 25% energy savings and prompt remote assistance.
- / Multi-temperature modulating control based on both room and outdoor temperature thanks to NetWeather functionality.
- / Easy to read, thanks to hi-resolution color display TFT 4.3".
- / Intuitive menu navigation via central knob and back-lit touch buttons.
- / Multifunction: time, zone, mode programming, holiday.
- / Visualize graphs and charts of consumption (kWh) and expenses.
- / Complete control of all system components (space heating, cooling and hot water) through BUS Bridgenet® communication protocol.
- / Class VI control system: contribution of 4% on space heating.



Sensys HD



- / Multi-temperature modulating control based on room temperature with possibility to combine an external probe for an even higher efficiency.
- / Easy to read, thanks to hi-resolution color display TFT 4.3".
- / Intuitive menu navigation via central knob and back-lit touch buttons.
- / Multifunction: time, zone, mode programming, holiday.
- / Visualize graphs and charts of consumption (kWh) and expenses.
- / Complete control of all system components (space heating, cooling and hot water) through BUS Bridgenet® communication protocol.
- / Class V control system: contribution of 3% on space heating.
- / Class VI control system in combination with an external probe: contribution of 4% on space heating.

Cube range

the heart of your Ariston platform



Ariston's Cube thermostats are quick and easy to install with modulating technology and a high tech Italian design. Sleek and easy to use, they are the perfect choice to **set up, manage and control your Ariston boiler with one device.**



Cube S NET

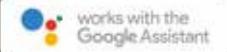
- / Always connected to Ariston NET.
- / Modulating Technology for superior performance.
- / High Tech Italian style.
- / Intuitive interface through high resolution display.
- / Plug&Play installation.
- / Available in black and white.
- / Voice control through Siri, Alexa and Google Assistant.

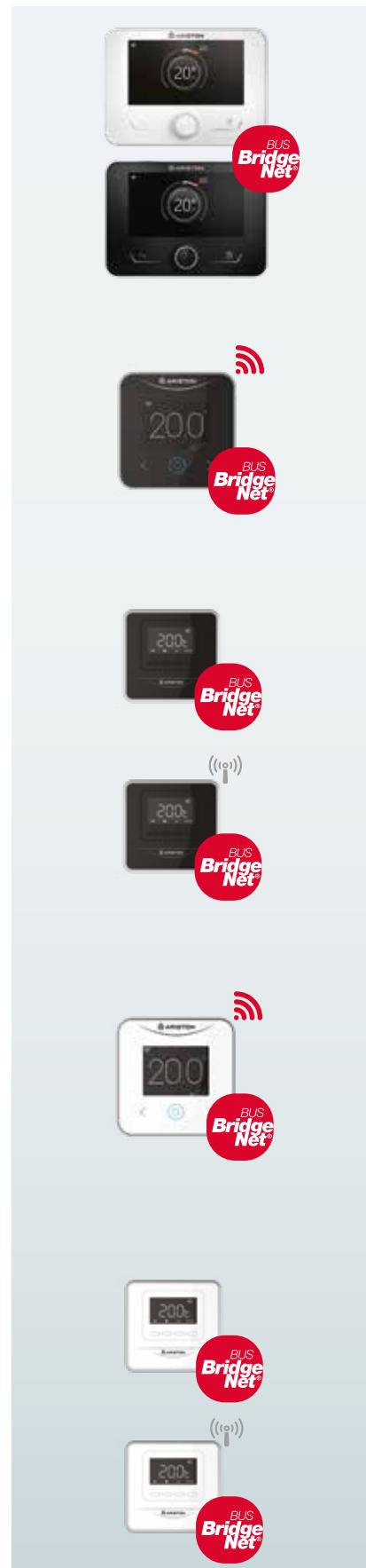


Cube

- / Modulating Technology for superior performance.
- / Multiple heating zones control thanks to various zone management kits..
- / Simple and intuitive temperature setting.
- / Also available in both wired and wireless versions.
- / Available in black and white.

Thermoregulation accessories

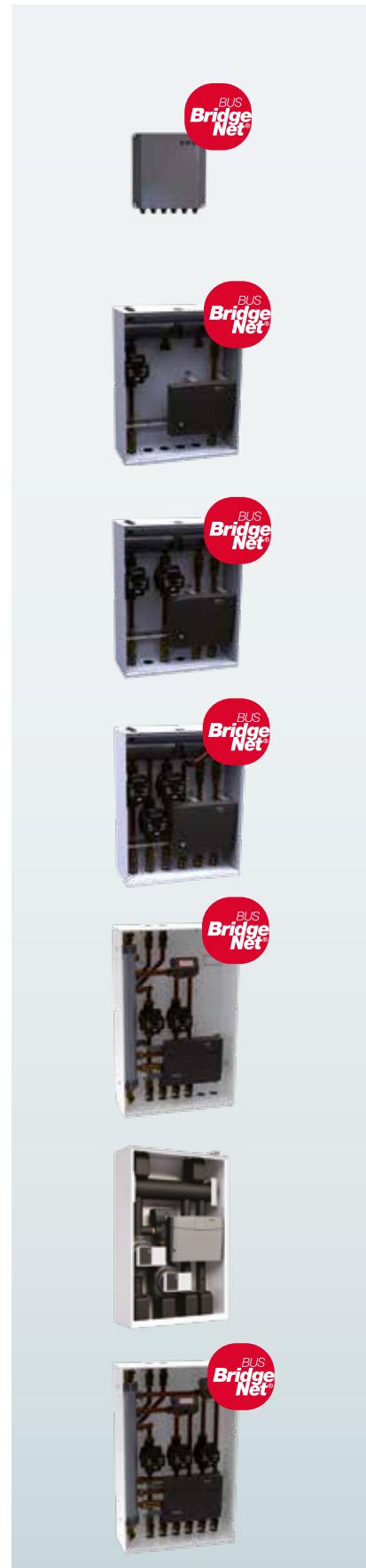
Modulating temperature control accessories	Code	BusBridgenet® catalogue range of boilers
Sensys NET HD Sensys HD+Light gateway to connect to wifi and enable Ariston NET.	3319643	•
Sensys HD System manager that allows system set-up, weekly timer programming and also acts as a modulating room thermostat.	3319467 white 3319468 black	•
CUBE S NET It is the new thermostat which includes Ariston NET connectivity. Large display and touchscreen interface, easy to install and powered directly from the Bus.	3319126	(Standard with Genus ONE NET, not Alteas) •
 JUST ASK amazon alexa  Works with Apple HomeKit  works with the Google Assistant		
CUBE Room thermostat suitable for multi-zone management. Compact and easy to use	3319116	• (Standard with old Alteas One Net codes: 3301058, 3301059, 3301060)
CUBE RF Using radio technology, it is possible to create wireless systems for up to 6 zones. Maximum receiver range: 30 metres 2 replaceable AAA batteries included, 2 year battery life.	3319118	•
 JUST ASK amazon alexa  Works with Apple HomeKit  works with the Google Assistant	3319476	•
CUBE Room thermostat suitable for multi-zone management. Compact and easy to use	3319477	•
CUBE RF Using radio technology, it is possible to create wireless systems for up to 6 zones. Maximum receiver range: 30 metres 2 replaceable AAA batteries included, 2 year battery life.	3319478	• (da acquistare con il ricevitore 3319120)



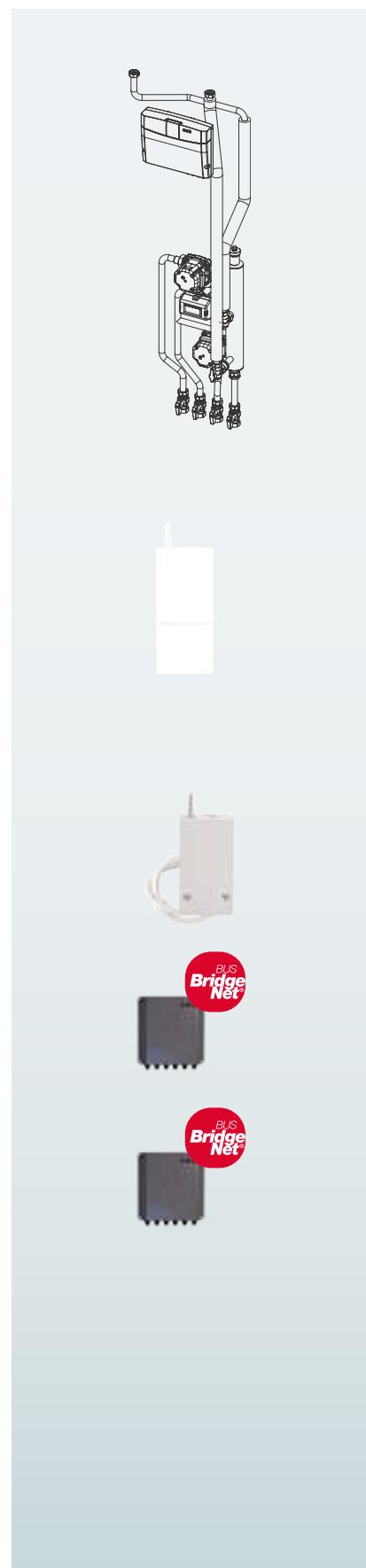
Modulating temperature control accessories	Code	BusBridgenet® catalogue range of boilers	
WIRED EXTERNAL SENSOR Modulating sensor to read outdoor temperature.	3318588	● (standard with Alteas ONE NET)	
OUTDOOR WiFi SENSOR Modulating sensor to read outdoor temperature. More generators can operate simultaneously, maximum open field distance of 300 m. To be purchased together with Bus receiver, cod. 3319120.	3319091	●	
BUS receiver To be installed with wireless radio multi-zone systems, compatible with cube RF thermostat, radio zone modules, outdoor wireless sensor.	3319120	●	
Analogue receiver Required to connect the outdoor wireless sensor for previous Cares Premium models or EVO range.	3319093	● Only Cares Premium	
Temperature control ON/OFF	Code	All BusBridgenet® models	Egis Plus CF EU
Wired ON/OFF timer-thermostat Daily or weekly heating programming Integral proportional control (comes before the boiler shuts OFF, based on the speed the boiler is coming up to the setpoint temperature)	3319483	●	●
Wireless ON/OFF timer-thermostat (includes receiver) Daily or weekly heating programming Integral proportional control (comes before the boiler shuts OFF, based on the speed the boiler is coming up to the setpoint temperature)	3319484	●	●
ON/OFF room thermostat	3318594	●	●

System management accessories

System management accessories	Code	BusBridgenet® catalogue range of boilers
Multifunction circuit board - direct management or control of three zones - differential thermostat (sensor not standard) - thermostat (sensor not standard) - boiler fault alarm and remote reset - programmable output in combination with the Sensys	3318636	●
Zone manager kit - direct management or control of three zones: 2 mixed and 1 direct - management up to 6 zones with 2nd additional module - boiler fault alarm and remote reset - programmable output in combination with the Sensys	3318628	●
MGZ I EVO - direct one zone system management module Components: - hydraulic manifold with deaerator - continuous modulating pump (maximum energy savings) with high head - system management circuit board with communication via Bus BridgeNet® - heating and system side shut-off valves - can be recessed or wall-mounted. Dimensions: 400x500x160 mm (HxWxD)	3318620	●
MGZ II EVO - Direct two zone system management module Components: - hydraulic manifold with deaerator - two continuous modulating pumps (maximum energy savings) with high head - system management circuit board with communication via Bus BridgeNet® - heating and system side shut-off valves - can be recessed or wall-mounted. Dimensions: 400x500x160 mm (HxWxD)	3318621	●
MGZ III EVO - Direct three zone system management module Components: - hydraulic manifold with deaerator - three continuous modulating pumps (maximum energy savings) with high head - system management circuit board with communication via Bus BridgeNet® - heating and system side shut-off valves - can be recessed or wall-mounted. Dimensions: 400x500x160 mm (HxWxD)	3318622	●
MGM II EVO - Two zone multi-temperature system management module Components: - hydraulic manifold with deaerator - two continuous modulating pumps (maximum energy savings) with high head - system management circuit board with communication via Bus BridgeNet® - a motorised mixer valve - heating and system side shut-off valves - can be recessed or wall-mounted. Dimensions: 440x700x170 mm (HxWxD)	3318624	●
MGM II C/F - Two zone hot/cold multi-temperature system management module. Components: - hydraulic manifold with deaerator - two continuous modulating pumps (maximum energy savings) with high head - system management circuit board with communication via Bus BridgeNet® - a motorised mixer valve - generator and system side shut-off valves - can be recessed or wall-mounted. Dimensions: 430x670x180 mm (HxWxD)	3319114	-
MGZ III EVO - Three zone multi-temperature system management module. Components: - hydraulic manifold with deaerator - three continuous modulating pumps (maximum energy savings) with high head - system management circuit board with communication via Bus BridgeNet® - two motorised mixer valves - heating and system side shut-off valves - can be recessed or wall-mounted. Dimensions: 440x700x170 mm (HxWxD)	3318625	● use in combination with 3318585 for Cares Premium EU



System management accessories	Code	BusBridgenet® catalogue range of boilers
Hydraulic management kit for 2 mixed zone systems Compatible with recessed units makes it possible to manage 2 zones (one direct and one mixed) at different temperatures . Includes motorised modulating mixer valve. Compatible with the recessed solar and hybrid systems.	3319074	• Only Kairos EVO IN
BUS receiver To be installed with wireless radio multi-zone systems, compatible with cube RF thermostat, radio zone modules, outdoor wireless sensor. Connects directly with the Bus on the generator circuit board.	3319120	•
BUS repeater To be installed with multi-zone wireless radio systems, if the radio signal is weak and insufficient.	3319098	•
Control module for 2 zone radio system For multi-zone wireless systems with up to 2 zones. Compatible with the CUBE RF thermostat, BUS RECEIVER and able to power circulation pumps and zone valves. Powered by mains electricity-	3319122	•
Control module for wired 2 zone system For multi-zone wired systems with up to 2 zones. Compatible with the CUBE and able to power circulation pumps and zone valves. Powered by mains electricity-	3319130	•
Bus decoupling kit For use with Alteas and Genus ONE boilers with solar systems (in combination with Solar Manager).	3319171	•
Safety thermostat for under floor system (20/90°C) For installation in underfloor systems, to limit the maximum flow temperature. Regulation between 20°C and 90°C	3318361	•
Thermostatic limit switch 65°C with manual reset	3318281	•



Boiler accessories

Installation templates	Code	/ One + Range / One Range / Cares S and Cares Premium	/ Clas B Premium EVO EU	/ Genus Premium EVO EXT EU / Egis Premium EVO EXT EU
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Metal template

contains universal metal assembly template with positioning "spirit level"; instructions for the installation of water pipe connections, wall bracket and flue gas exhaust ducts; cloth bag for easier transportation

3318246


**Kit of plastic-coated cardboard templates
(pack of 5)**

3318245


**Kit of plastic-coated cardboard templates
(pack of 5)**

3318431


**Plastic-coated cardboard boiler
cylinder templates
(pack of 5)**

3318432


**Subframe k 55 mm
(only for One range)**

3678411


Hydraulic accessories

Code

CONDENSING BOILERS
TRADITIONAL BOILERS
Expansion valve replacement kit 10l

Heating circuit expansion vessel for use in large systems. Replaces standard boiler expansion vessel. Special clamping brackets.

3319194



/ Only for ONE
/ ONE+ series range


Self-cleaning water filter kit

3318876


Cartridge filter kit

3318877


**Condensate neutraliser kit
(Only for boilers under 30 kW)**

3318893


Circulation pump kit for acidic condensate

3318894


Gas conversion kits

Code

CONDENSING MODELS

/ Clas One
/ Clas B One

/ Cares Premium
EU

/ Cares S

**LPG conversion kit for condensing boilers
LPG KIT for CLAS ONE/CLAS B ONE**

3319188


**LPG conversion kit for condensing boilers
CARES PREMIUM EU2 24/30 kW**

3319376


**LPG conversion kit for CARES S
KIT LPG 1:5 S-SERIES 24-30KW;**

3319680

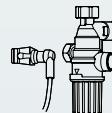
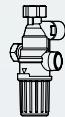
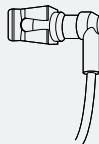


Hydraulic accessories Wall-mounted and outdoor boilers	Code	/ Alteas ONE / Genus ONE / Clas ONE	/ Genus ONE system / Clas ONE system	/ Genus Premium EVO EXT EU / Egis Premium EVO EXT EU	/ Cares Premium EU / Clas EVO CF / Egis Plus CF	/ Clas B Premium EU
Pre-installation kit (4 valves) contains: - 3/4" heating flow/return pipes and valves - 1/2" domestic hot water flow/return pipes and valves - ø18 gas connection - 3/4" M gas valve	3318228	●		●	●	
Pre-installation kit (2 valves) contains: - 3/4" heating flow/return pipes and valves - 1/2" domestic hot water flow/return pipes and valves - ø18 gas connection - 3/4" M gas valve - 1/2" domestic hot water valve	3318224	●		●	●	
Site kit contains: - 3/4" heating flow/return pipes - 1/2" domestic hot water flow/return pipes	3318222	●		●	●	
Heating kit containing 2 valves contains: - 3/4" heating flow/return pipes and valves	3318225	●	●	●	●	
Universal replacement kit contains: - 3/4" M flexible heating flow/return hoses - 1/2" M flexible domestic hot water inlet/outlet hoses - 3/4" M gas pipe - 3/4" M gas valve - 1/2" M domestic hot water valve	3318227	●	●	●	●	●
MULTI-BCH boiler side connection kit contains: - copper tubes and connections for heating systems - copper tubes and connections for boiler cylinder connections - 4-litre domestic hot water expansion vessel - hydraulic safety assembly	3319238		●			
Cylinder connection kit MULTI contains: - copper tubes and connections for heating systems - insulated flexible stainless steel hoses for boiler cylinder connection - copper tubes and connections for domestic hot water system - flexible domestic hot water hose to fill system - 4-litre domestic hot water expansion vessel with bracket - hydraulic safety assembly with integrated cold water valve - discharge pipe and siphon - temperature cylinder regulation knob on boiler - standard cylinder probe it is recommended to order together with 3318228	3318334	●	●			
Boiler with cylinder bar kit contains: - 3/4" M heating flow/return pipes and valves - 1/2" M domestic hot water inlet/outlet pipes - ø18 gas pipe and 3/4" M gas valve - gaskets and hanger bracket	3318434					●
hydraulic kit with Pipes+4 valves and cylinder contains: - 3/4" M heating flow/return pipes and valves - 1/2" M domestic hot water inlet/outlet pipes - ø18 gas pipe and 3/4" M gas valve - gaskets	3318435					●
G40 24 kW models black connection guard cover Dimensions: 400x315 mm	3319067	● no Clas ONE	● no Clas ONE			
G40 30 - 35 kW models black connection guard cover Dimensions: 400x385 mm	3319069	● no Clas ONE	● no Clas ONE			
Anti-freeze heating element kit (extends protection down to -20°C) extends anti-freeze protection in external/recessed models down -20 °C with boiler connected to mains electricity and gas. Includes thermostat, condensate siphon + heating element (condensate siphon, plate heat exchanger and DHW inlet).	3318954			●		
Anti-freeze heating element kit extends protection down to -5°C with boilers which can be installed in partially protected locations and connected to the mains electricity and gas. Includes thermostat, condensate siphon + heating element (condensate siphon)	3318949	●	●			



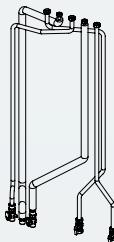
Solar integration accessories

Wall and external solar boiler management and integration accessories	Code	/ Alteas ONE / Genus ONE / Clas ONE / Cares Premium EU	/ Genus ONE system / Clas ONE system	/ Clas B Premium EU	/ Genus Premium EVO EXT EU / Egis Premium EVO EXT EU	/ Egis Plus CF EU
Solar sensor For integration of mixed boilers with solar systems.	3318983	•		•	•	
Solar sensor For integrating mixed boilers with solar systems (no Cares Premium)	3318317	• (no Cares Premium)		•	•	•
Integrated thermostat-controlled mixer valve For integration of mixed boilers with natural circulation solar heating systems	3318379	•	•	•	•	•
Thermostat-controlled mixer valve and integrated solar sensor kit for integrating mixed boilers with natural circulation solar systems recommended for power up to 28 kW (no Cares Premium)	3318290	• Use in combination with 3318949 for installations in partially protected locations	• Use in combination with 3318949 for installations in partially protected locations	•	• Use in combination with 3318954	•
Thermostat controlled mixer valve For the integration of System boilers with forced circulation solar heating systems, to be fitted at the cylinder outlet. (maximum flow rate 30 l/min)	3024085		•			
Universal cylinder solar sensor	3318962	•	•	•	•	
Solar collector sensor	3318564	•	•	•	•	



Recessed accessories

Hydraulic accessories and recessed boiler installation	Code	/ Kairos EVO IN	/ Genus Premium EVO IN EU / Egis Premium EVO IN EU	/ Genus Premium EVO IN system EU
Kairos EVO IN - recessed units Pre-cut floor and walls for hydraulic and flue connections. No warping or infiltration. Contains installation template. Also compatible with recessed Genus Hybrid Flex IN NET system	3319386	●		
Kairos EVO IN - Recessed box top panel In pre-trimmed sheet metal for front discharge. Also compatible with recessed Genus Hybrid Flex IN NET system	3318480	●		
Kairos EVO IN - hydraulic kit for domestic hot water/heating connection if prearranged for solar only. If 3318928 not installed.	3318477	●		
Kairos EVO IN - Anti-freeze heating element kit to extend anti-freeze protection to -10 °C of the hydraulic connections	3318479	●		
Kairos EVO IN - solar EVO V2 recessed accessories integration contains: - solar hydraulic connections - 1 zone direct heating hydraulic connections - domestic hot water hydraulic connections - solar pump unit - solar expansion vessel - mixer valve - domestic hot water expansion vessel	3318928	●		
Recessed sheet metal unit Pre-cut floor and walls for hydraulic and flue connections. No warping or infiltration. Contains installation template	3318397		●	●
Recessed box top panel in pre-cut sheet metal for front discharge	3318400		●	●
Kit containing 4 valves+system leak test contains: - 3/4" system shut-off valves ø18 m-f compression connection - 3/4" gas valve ø18 m-f compression connection - 1/2"domestic hot water valve ø14 m-f compression connection - 1/2"domestic hot water outlet ø14 m-f compression connection - system leak test pipe (for system versions in heating-only configuration)	3318185		●	●
Motorised built-in solar kit for the integration of mixed instant recessed boilers with natural circulation solar systems. Contains: - manual mixer valve - hydraulic connections for installation inside a box below the boiler - solar sensor Use in together with the anti-freeze heating element kit cod. 3318954	3318408		●	

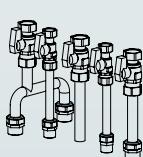


Recessed accessories

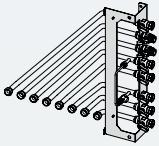
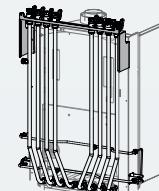
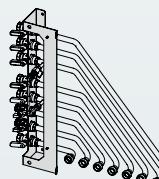
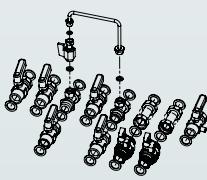
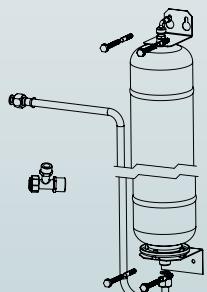
Recessed boiler installation and hydraulic accessories	Code	/ Genus Premium EVO IN EU / Egis Premium EVO IN EU	/ Genus Premium EVO IN System EU
2 valve kit (gas and cold water) contains: - 3/4" heating flow/return pipes - 3/4" gas valve ø18 m-f compression connection - 1/2" domestic hot water inlet valve ø14 m-f compression connection - 1/2" domestic hot water outlet pipe (can be used with system versions in heating-only configuration)	3318186	•	•
2 valve kit (gas and cold water) - Tray connections (can be used with system versions in heating-only configuration) contains: - 3/4" heating flow/return pipes - 3/4" gas valve ø18 m-f compression connection - 1/2" domestic hot water inlet valve ø14 m-f compression connection - 1/2" domestic hot water inlet/outlet pipes - gaskets	3318406	•	•
System test kit contains: - system leak test pipe	3318185	•	•
Dedicated Selecta In replacement kit (Condens) - Tec In (required for a recessed boiler from the new range or boiler has Selecta In, Selecta In Condens and Tec In connections) contains: - heating flow/return connection adaptors - gas connection transition fitting - domestic hot water inlet pipe and transition fitting - 1/2" domestic hot water outlet transition fitting	3318404	•	•
Recessed EVO Cylinder connection kit	3318875		•
Anti-freeze heating element kit extends anti-freeze protection to -20 °C with boiler connected to mains electricity.	3318954	•	•








Genus Premium Solar FS accessories

Recessed boiler installation and hydraulic accessories - Genus Premium EVO Solar FS EU	Code	/ Genus Premium Solar EVO FS EU	
RH hydraulic installation kit contains: - 3/4" heating flow/return pipes and valves - 3/4" gas pipe and valve ø18 m-f compression connection - 3/4" domestic hot water inlet/outlet pipes and valves ø18 m-f compression connection - 3/4" domestic hot water recirculation pipe and valve ø18 m-f compression connection - 3/8" pipe and valves for system filling For RH hydraulic connection	3318579	●	
Hydraulic kit for top installation contains: - 3/4" system shut-off valves and valves ø18 m-f compression connection - 3/4" gas pipe and valve ø18 m-f compression connection - 3/4" domestic hot water inlet/outlet pipes and valves ø18 m-f compression connection - 3/4" domestic hot water recirculation pipe and valve ø18 m-f compression connection - 3/8" pipe and valves for system filling - installation template For top hydraulic connection	3318534	●	
Hydraulic kit for LH installation contains: - 3/4" heating flow/return pipes and valves - 3/4" gas pipe and valve ø18 m-f compression connection - 3/4" domestic hot water inlet/outlet pipes and valves ø18 m-f compression connection - 3/4" domestic hot water recirculation pipe and valve ø18 m-f compression connection - 3/8" pipe and valves for system filling For LH hydraulic connection	3318584	●	
Kit only valves	3318587	●	
8 litre domestic hot water expansion vessel kit	3318595	●	

Exhaust fumes discharge systems for condensing boilers

Installation in compliance with norms requires the use of the original piping.

UNI 7129:08 Part 3 Combustion air intake ducts: an element or unit consisting of one or more walls used to convey combustion air directly from outside, or from the air intake duct, to the device. For type C gas devices (NOT type C6), it is an integral part of the device and is supplied by the manufacturer of the device.

Flue gas exhaust conduit: an element or unit consisting of one or more walls which connect the flue gas outlet from a device to the flue ducting / flue pipe / chimney duct / exhaust end piece, operating under positive pressure compared to the environment. For type C gas devices (NOT type C6), it is a type B equipped with a fan in the combustion circuit. It is an integral part of the device and is supplied by the manufacturer of the device.

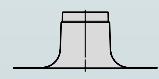
Exhaust conduits for type C6 devices - Requirements: The exhaust conduits must conform to EN1856-2 or EN 1856-1 (for metals) or EN 14471 (for plastics).

The use of conduits without EC markings is not permitted.

60/100 coaxial systems

Complete kits	Code
HORIZONTAL STARTING POINT COAXIAL L 1000 CONDENS EXHAUST KIT white Ø60/100 coaxial L1000 mm kit in AL/PPS with 90° elbow and wall exhaust end piece. Clamps, gaskets, fixing screws and EPDM wall cover plate. Required for the installation of Ø60/100 horizontal starting point coaxial systems with with elbow and wall mounted flue gas exhaust.	3318073
HORIZONTAL STARTING POINT COAXIAL L1000 CONDENS EXHAUST KIT grey Ø60/100 coaxial L1000 mm kit in AL/PPS with 90° elbow and wall exhaust end piece. Clamps, gaskets, fixing screws and EPDM wall cover plate. Required for the installation of Ø60/100 horizontal starting point coaxial systems with with elbow and wall mounted flue gas exhaust.	3319163
COAXIAL L1000 CONDENS EXHAUST KIT with VERTICAL STARTING POINT white Ø60/100 coaxial L1000 mm kit in AL/PPS with wall exhaust end piece. Clamps, gaskets, fixing screws and EPDM wall cover plate. Required for installation of vertical starting point Ø60/100 coaxial system without elbow and wall mounted flue gas exhaust.	3318074
VERTICAL STARTING POINT COAXIAL L1000 CONDENS EXHAUST KIT grey Ø60/100 coaxial L1000 mm kit in AL/PPS with wall exhaust end piece. Clamps, gaskets, fixing screws and EPDM wall cover plate. Required for installation of vertical starting point Ø60/100 coaxial system without elbow and wall mounted flue gas exhaust.	3319167
60/100 C42 COAXIAL CONDENS EXHAUST KIT white Ø60/100 coaxial L750 mm kit in AL/PPS with C42 flue ducting Boiler starting point Ø60/100 90° coaxial elbow in AL/PPS Clamps, gaskets and fixing screws. Wall cover flange and with rawlplugs.	3318097



Parts	Code	
VERTICAL STARTING POINT COAXIAL CONDENS EXHAUST KIT Vertical starting point Ø60/100 - Ø 80/125 coaxial kit in AL/PPS with clamp, gasket and fixing screws. Required for installation of vertical starting point Ø60/100 coaxial systems without elbow and roof mounted flue gas exhaust.	3318079	
HORIZONTAL STARTING POINT COAXIAL CONDENS EXHAUST KIT Horizontal starting point Ø60/100 coaxial kit in AL/PPS with clamp, gasket and fixing screws.	3318895	
M/F 90° COAXIAL ELBOW CONDENS white Ø60/100 90° coaxial elbow in AL/PPS	3318075	
M/F 90° COAXIAL ELBOW CONDENS grey Ø60/100 90° coaxial elbow in AL/PPS	3319166	
M/F 45° COAXIAL ELBOW CONDENS white Ø60/100 45° coaxial elbows in AL/PPS	3318076 2 pc package	
M/F 45° COAXIAL ELBOW CONDENS grey Ø60/100 45° coaxial elbows in AL/PPS	3319168 2 pc package	
M/F COAXIAL EXTENSION L 1000 CONDENS white Ø60/100 M/F coaxial pipe L1000 mm in AL/PPS with centring spring.	3318077	
M/F COAXIAL EXTENSION L 1000 CONDENS grey Ø60/100 M/F coaxial pipe L1000 mm in AL/PPS with centring spring.	3319164	
M/F COAXIAL EXTENSION L 500 CONDENS white Ø60/100 M/F coaxial pipe L 500 mm in AL/PPS with centring spring.	3318078	
M/F COAXIAL EXTENSION L 500 CONDENS grey Ø60/100 M/F coaxial pipe L 500 mm in AL/PPS with centring spring.	3319165	
BLACK FLAT ROOF TILE VENT FOR DUCT Ø125 black metal roof tile vent.	3318011	
BLACK ROOF CONDENS EXHAUST END PIECE Ø80/125 black roof kit in AL/PPS with Ø60/100 conical bushing.	3318080	
RED ROOF CONDENS EXHAUST END PIECE Ø80/125 red roof kit in AL/PPS with Ø60/100 conical bushing.	3318081	

Exhaust fumes discharge systems for condensing boilers

80/125 coaxial systems

Complete kits	Code
HORIZONTAL STARTING POINT COAXIAL CONDENS EXHAUST KIT L1000 Horizontal starting point Ø80/125 coaxial L 1000 kit in AL/PPS with exhaust end piece, Ø60/100 - Ø80/125 transition fitting and Ø60/100 90° elbow Clamps, gaskets, fixing screws and EPDM wall cover plate. Required for installation of Ø80/125 coaxial system with horizontal starting point with elbow and wall mounted flue gas exhaust.	3318090
HORIZONTAL STARTING POINT COAXIAL L1000 CONDENS EXHAUST Ø80/125 coaxial L1000 mm kit in AL/PPS, with exhaust end piece and EPDM wall cover plate.	3318188
Parts	Code
VERTICAL STARTING POINT COAXIAL CONDENS EXHAUST KIT Vertical starting point Ø 60/100 - Ø 80/125 coaxial exhaust kit in AL/PPS with clamp, gasket and fixing screws. Required for installation of vertical starting point Ø80/125 coaxial systems without elbow and roof mounted flue gas exhaust.	3318095
M/F 90°CONDENS COAXIAL ELBOW Ø80/125 M/F 90° coaxial elbow in AL/PPS	3318091
M/F 45° CONDENS COAXIAL ELBOW Ø80/125 M/F 45° coaxial elbow in PPS, Ø 125.	3318092 2 pc package
CONDENS COAXIAL EXTENSION M/F L 1000 Ø 80/125 M/F coaxial pipe L 1000 mm in AL/PPS with centring spring.	3318093
M/F CONDENS COAXIAL EXTENSION L 500 Ø 80/125 M/F coaxial pipe L 500 mm in AL/PPS with centring spring.	3318094
FLAT BLACK TILE VENT FOR DUCT Ø125 black metal roof tile vent.	3318011
BLACK ROOF CONDENS EXHAUST END PIECE Ø80/125 black roof kit in AL/PPS with Ø60/100 conical bushing.	3318080
RED ROOF CONDENS EXHAUST END PIECE Ø80/125 red roof kit in AL/PPS with Ø60/100 conical bushing.	3318081



80-80 split systems

Parts	Code
CONSENS SPLIT EXHAUST white Boiler starting point Ø60/100 - Ø80 transition fitting in PPS with clamp, gasket and fixing screws. n°2 Ø80 90° elbows in PPS n°2 Ø80 M/F extensions L 1000 mm in PPS Intake end piece. Air intake bracket.	3318370
CONSENS SPLIT EXHAUST grey Boiler starting point Ø60/100 - Ø80 transition fitting in PPS with clamp, gasket and fixing screws. n°2 Ø80 90° elbows in PPS n°2 Ø80 M/F extensions L 1000 mm in PPS Intake end piece. Air intake bracket.	3319161
TRANSITION FITTING FOR SPLIT CONDENS SYSTEMS white Boiler starting point Ø60/100 - Ø80 transition fitting in PPS with clamp, gasket and fixing screws. Air intake bracket. Necessary for the installation of Ø80 split systems if code 3318370 is not used.	3318369
TRANSITION FITTING FOR SPLIT CONDENS SYSTEMS, grey Boiler starting point Ø60/100 - Ø80 transition fitting in PPS with clamp, gasket and fixing screws. Air intake bracket. Necessary for the installation of Ø80 split systems if code 3318370 is not used.	3319159
Ø80 M/F 90° CONDENS COAXIAL ELBOW, white Ø80 M/F 90° elbow in PPS, wide radius.	3318084
Ø80 M/F 90° CONDENS COAXIAL ELBOW, grey Ø80 M/F 90° elbow in PPS, wide radius.	3319162
Ø80 M/F 45°CONDENS ELBOW Ø80 M/F 45° elbow in PPS.	3318085 2 pc package
Ø80 CONDENS EXTENSION L 1000 Ø80 M/F pipe L 1000 mm in PPS.	3318086
Ø80 CONDENS EXTENSION L 500 Ø80 M/F pipe L 500 mm in PPS.	3318087
80/125-80 + 80 TRANSITION FITTING FOR ROOF EXHAUST Ø80/125 - Ø80 + Ø80 transition fitting in AL/PPS for roof-fitted exhaust end piece.	3318089
BLACK SLANTED ROOF TILE VENT FOR DUCT Ø125 black metal roof tile vent with 12° to 40° slant.	3318009
RED SLANTED ROOF TILE VENT FOR DUCT Ø125 red metal roof tile vent with 12° to 40° slant.	3318010
BLACK ROOF CONDENS EXHAUST END PIECE Ø80/125 black roof kit in AL/PPS with Ø60/100 conical bushing.	3318080
RED ROOF CONDENS EXHAUST END PIECE Ø80/125 red roof kit in AL/PPS with Ø60/100 conical bushing.	3318081

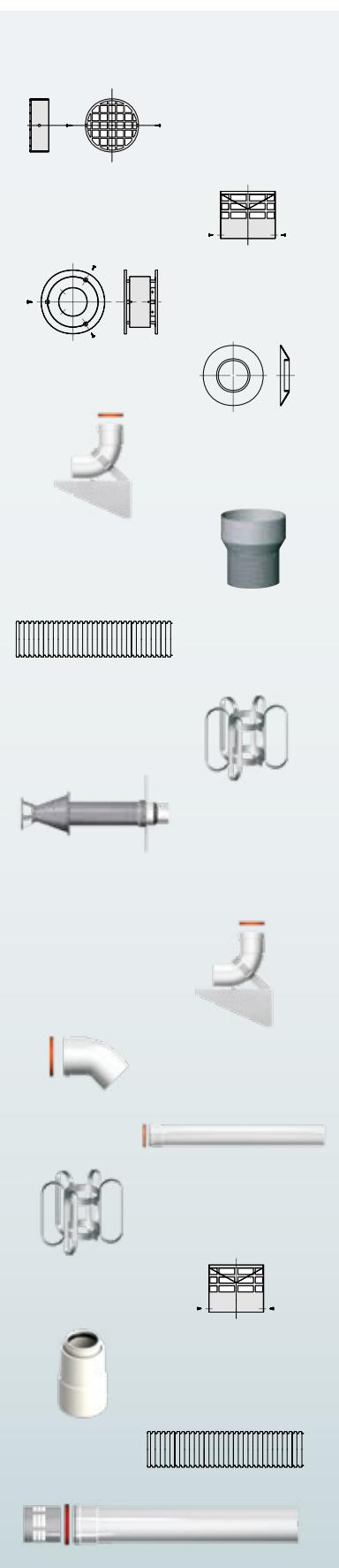
Exhaust fumes discharge systems for condensing boilers

Ø80 ducted split pipe systems

Parts	Code
INTAKE END PIECE Ø80 horizontal intake end piece in plastic. Fixing screws.	3318028
Ø80 STAINLESS STEEL DISCHARGE END PIECE Ø80 horizontal stainless steel discharge end piece Fixing screws.	3318027
Ø80 BLACK VERTICAL DISCHARGE END PIECE Ø80 roof end piece painted black Fixing screws.	3318031
Ø80 WALL COVER PLATE Ø80 EPDM wall cover plate.	3318032 2 pc package
Ø80 ELBOW KIT WITH BRACK FOR CONDENS FLUE DUCTING Ø80 M/F 90° elbow in PPS. Ducting foot with rawlplugs. Ø80/60 transition fitting for Ø60 flue ducting	3318098
Ø80 TRANSITION FITTING FOR CONDENS FLEXIBLE HOSE Ø80 transition fitting for starting point with flexible hose. Ø80 transition fitting for flue gas exhaust closure with flexible hose.	3318099
Ø80 12.5 m CONDENS FLEXIBLE HOSE Ø80 12.5 m flexible hose in PPS with smooth inner wall. no.1 transition fitting for starting point with flexible hose. no.1 transition fitting for flue gas exhaust closure with flexible hose. Radial centring springs.	3318100
Ø80 radial centring spring Centring spring for Ø80 pipe for flue ducting in PPS.	3318101 5 pc package
CONDENS ROOF END PIECE Ø80 roof end piece in PPS.	3318103

Ø60 ducted split pipe systems

Parts	Code
Ø60 90° ELBOW KIT WITH BRACKET FOR CONDENS FLUE DUCTING Ø60 M/F 90° elbow in PPS. Ducting foot with rawlplugs.	3318104
Ø60 45° ELBOW KIT Ø60 M/F 45° elbow in PPS.	3318106 2 pc package
Ø60 CONDENS EXTENSION L 1000 Ø60 M/F pipe L 1000 mm in PPS.	3318105
Ø60 STAINLESS STEEL PIPE-LOCK SPRING Ø60 stainless steel spring for centring pipe on flue ducting.	3318108
Ø60 STAINLESS STEEL DISCHARGE END PIECE Ø60 horizontal stainless steel discharge end piece Fixing screws.	3318109
Ø80/60 TRANSITION FITTING FOR SPLIT CONDENSATION SYSTEM	3318202
Ø60 FLEXIBLE CONDENSATION HOSE Length 20 m	3318294
Ø60 CONDENSATION INTAKE END PIECE IN PLASTIC	3318347



Ø50 ducted split pipe systems	
Parts	Code
Ø80/50 TRANSITION FITTING FOR SPLIT CONDENSATION SYSTEM	3319139
Ø50 FLEXIBLE CONDENSATION HOSE Length 12.5 m	3319140
Ø50 EXTENSION L 0.5 m Ø50 M/F pipe L 500 mm in PPS.	3319142
Ø50 EXTENSION L 1 m Ø50 M/F pipe L 1000 mm in PPS.	3319143
Ø50 EXTENSION L 2 m Ø50 M/F pipe L 2000 mm in PPS.	3319144
Ø50 STAINLESS STEEL DISCHARGE END PIECE Ø50 horizontal stainless steel discharge end piece Fixing screws.	3319145
Ø80 ELBOW - Ø50 FLEX TRANSITION FITTING	3319190
Ø80 VERT - Ø50 FLEX TRANSITION FITTING	3319191
Ø50 FLEX ROOF FLUE GAS EXHAUST END PIECE	3319192
Components specific to the range	
Recessed condensing boiler	Code
SPLIT FLUE GAS EXHAUST KIT FOR RECESSED CONDENS BOILERS no. 1 Ø60/80 transition fitting for split systems in PPS with Ø100 for boiler starting point. no. 2 Ø80 stub pipes with coupling seal. no. 1 intake end piece. no. 1 clamp with gasket and fixing screws. no. 1 Ø80 90° elbow in PPS, wide radius for air intake. no. 1 Ø80 90° elbow in PPS, tight radius for flue gas exhaust.	3318133
TRANSITION CONNECTION KIT FOR NEW RANGE OF RECESSED BOILERS To create a vertical starting point using a boiler built into the recessed unit used for the previous range (3318157 or 3318189).	3318446
Genus Premium Solar EVO FS	Code
SPLIT FLUE GAS/AIR INTAKE STARTING POINT KIT GENUS PREMIUM SOLAR EVO FS no. 1 concentric air intake closure ring no. 1 60/80 air intake transition fitting	3123574
80/125 - 60/100 TRANSITION FITTING	3318200



Exhaust fumes discharge systems for conventional boilers

60/100 coaxial systems

Parts	Code
Kit Horizontal starting point coaxial 60/100 L1000	3318000
Kit Horizontal starting point coaxial 60/100 L750	3318001
Kit Vertical starting point coaxial 60/100 L1000	3318002
60/100 M/F 90 COAXIAL ELBOW	3318003
60/100 M/F 45 COAXIAL ELBOW	3318004
COAXIAL EXTENSION 60/100 M/F 90 L1000	3318005
COAXIAL EXTENSION 60/100 M/F 90 L500	3318006

60/100 coaxial systems

Parts	Code
COAXIAL EXTENSION 60/100 M/F 90 L250	3318007
Vertical Starting point 60/100 condes. collector	3318008
BLACK ROOF CONDENS EXHAUST END PIECE	3318013
RED ROOF CONDENS EXHAUST END PIECE	3318014
WALL COVER RING D.100	3318016

LPG CONVERSION KIT FOR CONVENTIONAL BOILERS

Parts	Code
LPG KIT 0,76 15 nozzles for CF 15, 24 CARES e HS (0,76)	3318261
LPG KIT 28 FF (0,80) 15 nozzles for FF 15, 18, 24 e 30 (0,8)	3318264
LPG KIT 0,75 (28 CF) 16 nozzles 0,78 +15 nozzles 0,75 for FF 32 e 35 (0,78) + CF 24 e 28 (0,75)	3318327



Cylinders



Ariston's cylinders are designed to fit perfectly inside our systems to meet any hot water demand, providing superior comfort.

- BCH EE-EU
- BC1S-2S 7B
- Maxis CDZ
- Maxis CD1-CD1F-CD2F
- Maxis CK1-CKZ

Cylinders



	BCH EE				BCH EU			
	80	120	160	200	80	120	160	200
ENERGY CLASS	C	C	B	B	C	C	B	B
INSTALLATION	WALL				WALL			
BOILER COMPATIBLE	yes				yes			
SOLAR COMPATIBLE	yes				yes			
1st COIL SURFACE (m ²)	0,5	0,96	0,7	1	0,5	0,96	0,7	1
2nd COIL SURFACE (m ²)	-				-			
TITANIUM ENAMELLED	yes				yes			
ANTI-CORROSION PROTECTION	yes				yes			
STANDARD ELECTRIC RESISTANCE	-				-			
OPTIONAL ELECTRIC RESISTANCE	yes				yes			
RECIRCULATION	yes				yes			
PAGE	144				145			



BC1S 7B			BC2S 7B			MAXIS CDZ		
200	300	450	200	300	450	800	1000	1500
B	B	B	B	B	B	C	C	C
FLOOR			FLOOR			FLOOR		
yes			yes			yes		
yes			yes			yes		
0,8	1,3	2	0,8	1,3	2	-	-	-
-			0,5	0,8	1	-	-	-
yes			yes			yes		
yes			yes			no		
-			-			-		
yes			yes			yes		
yes			yes			yes		
146			147			148		

Cylinders



	MAXIS CD1		MAXIS CD1 F		MAXIS CD2 F				
	1500	2000	800F	1000F	800F	1000F	1500F	2000F	2500F
ENERGY CLASS	C	C	B	C	B	C	C	C	-
INSTALLATION	FLOOR		FLOOR		FLOOR				
BOILER COMPATIBLE	yes		yes		yes				
SOLAR COMPATIBLE	yes		yes		yes				
1st COIL SURFACE (m ²)	-		2,5	3	2,4	2,5	4,2	4,5	6
2nd COIL SURFACE (m ²)	-				2,4	2,5	2,5	3	3,5
TITANIUM ENAMELLED	yes		yes		yes				
ANTI-CORROSION PROTECTION	no		no		no				
STANDARD ELECTRIC RESISTANCE	-		-		-				
OPTIONAL ELECTRIC RESISTANCE	yes		yes		yes				
RECIRCULATION	yes		yes		yes				
PAGE	149		150		151				



MAXIS CK1				MAXIS CKZ			
400	600	800	1000	1500	2000	2500	3000
B	C	C	C	C	C	-	-
FLOOR				FLOOR			
yes				yes			
yes				-			
1,5	2,1	2,8	3,4	-			
-				-			
yes				-			
no				no			
-				-			
no				yes			
yes				-			
152				153			



Single coil multiposition vertical cylinder

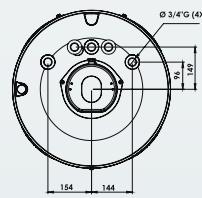
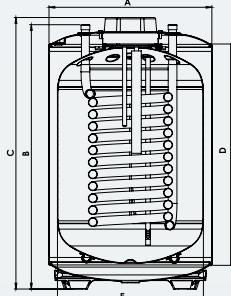
Features

- / Titanium enamelled steel boiler
- / Magnesium Anode
- / Recirculation
- / Floor standing installation kit included
- / Integrated sensor slot sheath
- / Can be integrated with the forced circulation solar heating system or gas boiler

		TECHNICAL DATA			
		80	120	160	200
Capacity	l	76	124	157	195
Maximum temperature	°C	90	90	90	90
Thermal loss (EN 60379)	kWh/24h	1,27	1,72	1,34	1,84
Maximum operating pressure	bar	7	7	7	7
Coil surface	m ²	0,5	0,96	0,7	1
Exchanger output	kW	10,3	16,1	14,7	17,2
Pressure loss through coil	mbar	16	38	33	41
Net Weight	kg	30	42	56	65
DIMENSIONS					
A	mm	560	560	560	560
B	mm	690	900	1320	1570
C	mm	720	930	1340	1590
D	mm	535	745	1183	1428
E	mm	500	500	450	450
CODE					
 ErP ENERGY RELATED PRODUCTS		3060752	3060753	3060754	3060755
Energy class		C	C	B	B

KEY

- 1 \ Hot water usage point
- 2 \ Cold water inlet
- 3 \ Primary outlet
- 4 \ Primary inlet
- 5 \ Magnesium Anode
- 6 \ Temperature sensor
- 7 \ Polyurethane insulation
- 8 \ Coil Exchanger
- 9 \ Recirculation



For the whole accessory list see page 154



Single coil multiposition vertical cylinder

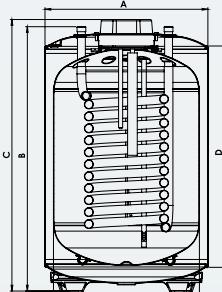
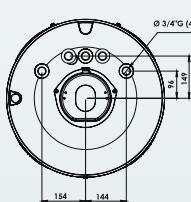
Features

- / Titanium enamelled steel boiler
- / Protech Anode
- / Recirculation
- / Floor standing installation kit included
- / Integrated sensor slot sheath
- / Can be integrated with the forced circulation solar heating system or gas boiler

		TECHNICAL DATA			
		80	120	160	200
Capacity	l	76	124	157	195
Maximum temperature	°C	90	90	90	90
Thermal loss (EN 60379)	kWh/24h	1,27	1,72	1,34	1,84
Maximum operating pressure	bar	7	7	7	7
Coil surface	m ²	0,5	0,96	0,7	1
Exchanger output	kW	10,3	16,1	14,7	17,2
Pressure loss through coil	mbar	16	38	33	41
Net Weight	kg	30	42	56	65
DIMENSIONS					
A	mm	560	560	560	560
B	mm	690	900	1320	1570
C	mm	720	930	1340	1590
D	mm	535	745	1183	1428
E	mm	500	500	450	450
CODE					
		3060752	3060753	3060754	3060755
Energy class		C	C	B	B

KEY

1 \ Hot water usage point
 2 \ Cold water inlet
 3 \ Primary outlet
 4 \ Primary inlet
 5 \ Magnesium Anode
 6 \ Temperature sensor
 7 \ Polyurethane insulation
 8 \ Coil Exchanger
 9 \ Recirculation

For the whole accessory list see page 154



Floor-standing indirect cylinder with coil

Features

- / Boiler protection with exclusive titanium-based enamel treatment at 850°C
- / Single-coil, folded-down for uniform heating of tank
- / Equipped for recirculation
- / Upper flange with integrated anode
- / 105 mm front inspection flange
- / Magnesium anode
- / Adjustable support feet
- / 2 kw electrical integration kit (for 200 and 300 litre models) or 6 kw (450 L) available on request

TECHNICAL DATA

BC1S 200 **BC1S 300** **BC1S 450**

Coil capacity	I	5	9,6	13
Coil surface	m ²	0,8	1,3	2
Exchanger output (En 15332)	kW	14	22,4	38
Exchanger output (En 12897)	kW	12,5	17,9	25
Coil resistance	mbar	12	16	17
Max. working pressure	bar	7	7	7
Thermal loss EN 60379	kWh/24h	1,46	1,66	1,92
Maximum temperature	°C	90	90	90
Weight	kg	72	100	140

DIMENSIONS

A	mm	656	656	751
B	mm	1331	1853	1978
C	mm	374	374	374
D	mm	255	255	255
E	mm	374	374	374
F	mm	474	474	474
G	mm	685	885	1045
H	mm	785	985	1145
I	mm	905	1295	1435
J	mm	730	730	825

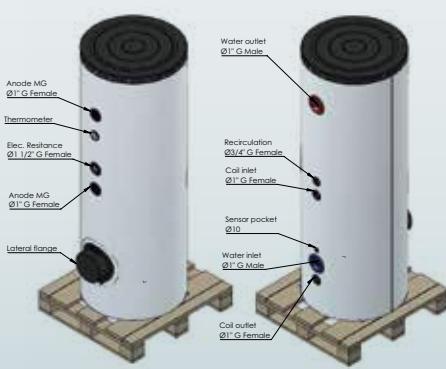
CODE



3070608 3070609 3070610

Energy class

B B B



For the whole accessory list see page 154



Floor-standing indirect cylinder with double coil

Features

- / Boiler protection with exclusive titaniumbased enamel treatment at 850°C
- / Double coil with high surface to couple with fossil or solar energies
- / Equipped for recirculation
- / Upper flange with integrated anode
- / 105 mm front inspection flange
- / Magnesium anode
- / Adjustable support feet
- / 2 kw electrical integration kit (for 200 and 300 litre models) or 6 kw (450 l) available on request

TECHNICAL DATA

	BC2S 200	BC2S 300	BC2S 450	
Coil capacity	l	3,2	6	7,5
Coil surface	m ²	0,5	0,8	1
Exchanger output (En 15332)	kW	10	14,5	20
Exchanger output (En 12897)	kW	9,8	13,8	17,4
Coil resistance	mbar	9	11	10

BOTTOM COIL

Coil capacity	l	5	9,6	13
Coil surface	m ²	0,8	1,3	2
Exchanger output (En 15332)	kW	14	22,4	38
Exchanger output (En 12897)	kW	12,5	17,9	25
Coil resistance	mbar	12	16	17
Max. working pressure	bar	7	7	7
Thermal loss EN 60379	kWh/24h	1,46	1,66	1,92
Maximum temperature	°C	90	90	90
Weight	kg	80	107	150

DIMENSIONS

A	mm	656	656	751
B	mm	1331	1853	1978
C	mm	374	374	374
D	mm	255	255	255
E	mm	374	374	374
F	mm	474	474	474
G	mm	605	885	1045
H	mm	705	985	1145
I	mm	805	1135	1295
J	mm	905	1295	1435
K	mm	1005	1455	1575
L	mm	730	730	825

CODE



3070616	3070617	3070618	
Energy class	B	B	B

For the whole accessory list see page 154

Floor-standing vertical cylinder with high capacity for the storage of domestic hot water



Features

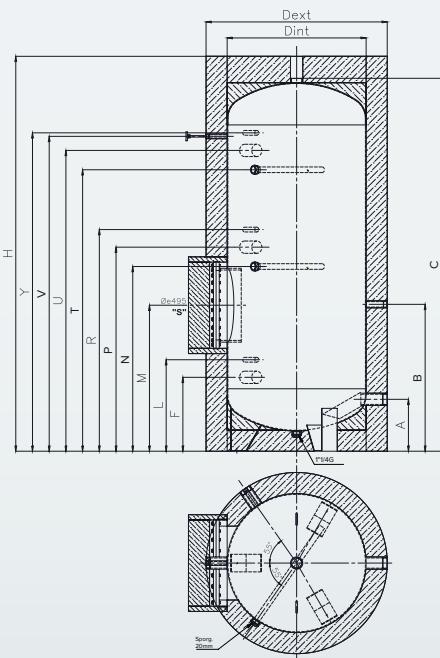
- / Steel boiler with exclusive titanium-based enamel treatment
- / Magnesium anti-corrosion anode
- / Recirculation
- / Inspection flange
- / Integrated probe-housing sheath
- / Flexible removable insulation
- / Active anode available as accessory
- / 400 mm inspection flange
- / Available heating element up to 15 kW

TECHNICAL DATA	MAXIS CDZ 800	MAXIS CDZ 1000	MAXIS CDZ 1500	MAXIS CDZ 2000	MAXIS CDZ 2500	MAXIS CDZ 3000
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Capacity	l	776	886	1492	1940	2470	2880
Max. working pressure	bar	8	8	8	8	8	8
Max. cylinder working temperature	°C	95	95	95	95	95	95
Thermal loss (EN 60379)	kWh/24h	3	3,1	3,8	4,28	4,67	5,1
Empty weight	kg	228	256	349	432	524	576

DIMENSIONS

A	mm	295	290	350	430	330	330
B	mm	835	830	820	910	860	960
C	mm	1870	2095	1935	2095	2065	2355
F	mm	420	415	475	565	465	465
H	mm	1995	2220	2060	2220	2190	2480
L	mm	520	515	575	665	565	565
M	mm	800	825	835	945	895	895
N	mm	-	1045	1055	1210	1145	1260
P	mm	1155	965	1120	1020	1170	1170
R	mm	1065	1255	1065	1220	1120	1270
T	mm	1265	1595	1360	1460	1510	1810
U	mm	1460	1685	1465	1535	1605	1895
V	mm	1540	1765	1550	1625	1695	1985
Y	mm	1560	1785	1565	1635	1705	1995
D int	mm	790	790	1100	1200	1350	1350
D ext	mm	1030	1030	1340	1440	1590	1590



800-1000-1500	2000-2500-3000
G 2" F	G 2" F
G 2" F	G 2" F
G 1" F	G 1½ " F
G 2" F	G 2" F
G 1¼ " F	G 1¼ " F
G ½ " F	G ½ " F
ø 495	ø 495
G 1¼ " F	G 1¼ " F
G 1¼ " F	G 1¼ " F

1. Cold water inlet
2. Hot water outlet
3. Recirculation
4. Sanitary circuit return
5. Draining fitting connection
6. Well
7. Flange
8. Magnesium anode
9. Upper fitting connection

CODE



3060684 3060685 3060612 3060613 3060614 3060615

Energy class	C	C	C	C	-	-
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For the whole accessory list see page 154

Maxis CD1



Floor-standing vertical single-coil cylinder for the production of domestic hot water. Integrable with forced circulation solar system or high power heating system



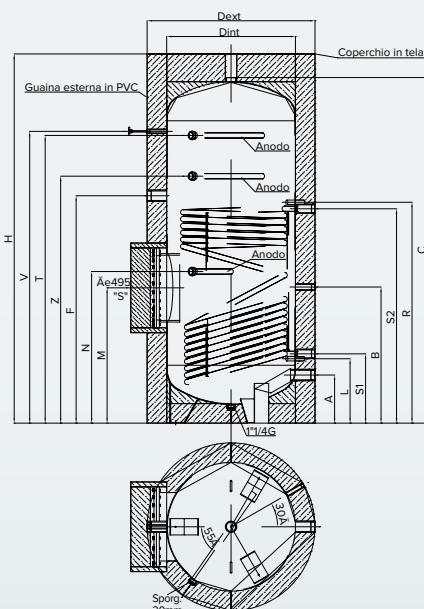
Features

- / Steel boiler with exclusive titanium-based enamel treatment
- / Magnesium anti-corrosion anode
- / Recirculation
- / Inspection flange
- / Integrated probe-housing sheath
- / Available heating element kit
- / Integrated thermometer
- / Flexible removable insulation
- / Active anode available as accessory
- / 400 mm inspection flange
- / Available heating element up to 15 kw on the lateral flange, and up to 6 kW on the cap connection

TECHNICAL DATA

MAXIS CD1 800

MAXIS CD1 1000



KEY

- 1 \ Cold water inlet G2" F
- 2 \ Hot water outlet G 2" F
- 3 \ Recirculation G 1½ " F
- 4 \ Heating element G 1½ " F
- 5 \ Draining fitting connection G 1¼ " F
- 6 \ Well G ½" F
- 7 \ Flange ø 400
- 8 \ Magnesium anode G 1½ " F
- 9 \ Thermometer
- 10 \ Primary circuit flow G 1½ " F
- 11 \ Primary circuit return G 1½ " F
- 12 \ Upper fitting connection G 1¼ " F

Capacity	I	757	862
Maximum temperature	°C	95	95
Thermal loss (EN 60379)	kWh/24h	3	3,2
Maximum operating pressure	bar	8	8
Coil surface	m²	2,5	3
Exchanger output	kW	34,8	41,8
Pressure loss through coil	mbar	15	19
Net Weight	kg	1016	1154
DIMENSIONS			
A	mm	295	290
B	mm	735	830
C	mm	1870	2095
F	mm	1000	1130
H	mm	1995	2220
L	mm	420	390
M	mm	475	490
N	mm	475	490
R	mm	940	1065
T	mm	1500	1760
V	mm	1540	1765
S1	mm	450	450
S2	mm	900	1025
Dint	mm	790	790
Dext	mm	1030	1030

CODE



3060689

3060690

Energy class

C

C

For the whole accessory list see page 154

Maxis CD1 F



Floor-standing vertical single-coil cylinder for the production of domestic hot water. Integrable with forced circulation solar system or high power heating system



Features

- / Steel boiler with exclusive titanium-based enamel treatment
- / Magnesium anti-corrosion anode
- / Recirculation
- / Inspection flange
- / Two integrated probe-housing sheaths
- / Available heating element kit
- / Integrated thermometer
- / Pre-assembled flexible removable insulation
- / Active anode available as accessory
- / Available heating element up to 6 kW

TECHNICAL DATA

MAXIS CD1 800F MAXIS CD1 1000F

Capacity	I	757	862
Maximum temperature	°C	95	95
Thermal loss (EN 60379)	kWh/24h	2,4	2,6
Maximum operating pressure	bar	8	8
Coil surface	m ²	2,5	3
Exchanger output	kW	24,8	41,8
Pressure loss through coil	mbar	15	19
Net Weight	kg	975	1113

DIMENSIONS

A	mm	295	290
B	mm	735	830
C	mm	1870	2095
F	mm	1000	1130
H	mm	1995	2220
L	mm	420	390
M	mm	475	490
N	mm	475	490
R	mm	940	1065
T	mm	1500	1760
V	mm	1540	1765
Z	mm	-	-
S1	mm	450	420
S2	mm	900	1025
D int	mm	790	790
D ext	mm	1030	1030

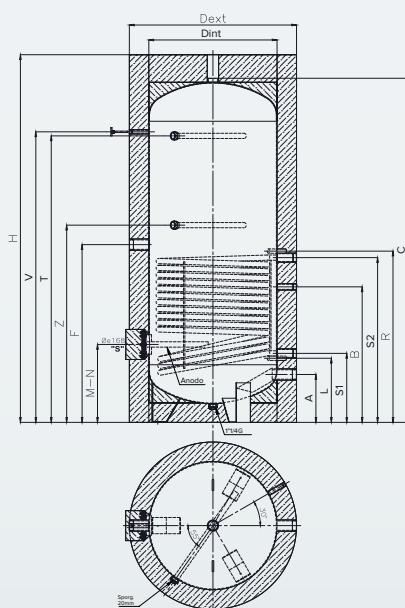
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3060692 3060693

Energy class

B C



KEY

- 1 \ Cold water inlet G2" F
- 2 \ Hot water outlet G 2" F
- 3 \ Recirculation G 1" F
- 4 \ Sanitary circuit return G 1 1/2 " F
- 5 \ Draining fitting connection G 1 1/4 " F
- 6 \ Well G 1/2" F
- 7 \ Flange ø 110
- 8 \ Magnesium anode G 1 1/4 " F
- 9 \ Thermometer
- 10 \ Primary circuit flow G 1 1/2 " F
- 11 \ Primary circuit return G 1 1/2 " F
- 12 \ Upper fitting connection G 1 1/2 " F

For the whole accessory list see page 154

Maxis CD2 F



Floor-standing vertical double-coil cylinder for the production of domestic hot water. Integrable with forced circulation solar system or high power heating system



Features

- / Steel boiler with exclusive titanium-based enamel treatment
- / Magnesium anti-corrosion anode
- / Recirculation
- / Inspection flange
- / Integrated probe-housing sheath
- / Available heating element kit
- / Integrated thermometer
- / Flexible removable insulation
- / Large solar surface exchanger and integration for the maximum efficiency
- / Coil and back sanitary connections for easy installation
- / Available 6 kW heating element

TECHNICAL DATA		MAXIS CD2 800F	MAXIS CD2 1000F	MAXIS CD2 1500F	MAXIS CD2 2000F	MAXIS CD2 2500F
Capacity	l	738	848	1440	1884	2395
Maximum temperature	°C	95	95	95	95	95
Thermal loss (EN 60379)	kWh/24h	2,4	2,7	3,3	3,9	4,5
Maximum operating pressure	bar	8	8	8	8	8
SOLAR COIL						
Coil surface	m ²	2,4	2,5	4,2	4,5	6
Exchanger output	kW	34,8	41,8	62,6	75,6	84
Pressure loss through coil	mbar	15	15	25,7	27,6	38,2
UPPER COIL						
Coil surface	m ²	2,4	2,5	2,5	3	3,5
Exchanger output	kW	33,4	34,8	34,8	41,8	48,7
Pressure loss through coil	mbar	15	16	15,7	17	21,5
Net Weight	kg	251	276	291	483	608
DIMENSIONS						
A	mm	295	290	350	430	330
B	mm	735	830	820	910	860
C	mm	1870	2095	1935	2095	2065
F	mm	1000	1130	1185	1310	1225
H	mm	1995	2220	2060	2220	2190
L	mm	420	390	450	535	440
M	mm	475	490	585	685	595
N	mm	475	490	585	685	595
R	mm	940	1065	1150	1280	1185
T	mm	1500	1760	1510	1625	1695
V	mm	1540	1765	1575	1645	1695
Z	mm	-	-	-	-	1340
S1	mm	450	420	480	565	470
S2	mm	900	1025	1110	1240	1145
S3	mm	1025	1150	1200	1270	1295
S4	mm	1475	1600	1535	1605	1675
D int	mm	790	790	1100	1200	1350
D ext	mm	1030	1030	1340	1440	1590
CODE						
		3060695	3060696	3060619	3060620	3060621
Energy class		B	C	C	C	-

800 - 1000 - 1500	2000 - 2500
1. Cold water inlet	G 2" F
2. Hot water outlet	G 2" F
3. Recirculation	G 1" F
4. Heating element	G 1 1/2 " F
5. Draining fitting connection	G 1 1/4 " F
6. Well	G 1/2 " F
7. Flange	ø 110
8. Magnesium anode	G 1 1/4 " F
9. Thermometer	
10. Lower coil flow	G 1 1/2 " F
11. Lower coil return	G 1 1/2 " F
12. Upper coil flow	G 1 1/2 " F
13. Upper coil return	G 1 1/2 " F
14. Upper fitting connection	G 1 1/4 " F

For the whole accessory list see page 154

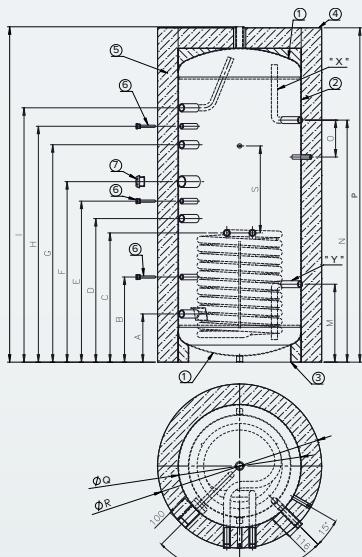
Buffer cylinder for primary circuit water with coil



Features

- / Black steel cylinder
- / Parallel connections for the solar coil, arrangement for easy connection to the digital solar pump group-internal pipes and arrangement for easy installation on dhw module
- / Possibility of integration with electrical resistance and connection for air release system
- / Designed for integration with Fresh Water Station and Solar Pump Group

TECHNICAL DATA		MAXIS CK1 400	MAXIS CK1 600	MAXIS CK1 800	MAXIS CK1 1000
Capacity	l	374	559	724	830
Maximum temperature	°C	95	95	95	95
Thermal loss (EN 60379)	kWh/24h	1,7	2,2	2,6	2,6
Maximum operating pressure	bar	3	3	3	3
Coil surface	m ²	1,5	2,1	2,8	3,4
Exchanger output	kW	21	25	32	32
Pressure loss through coil	mbar	15	19	27,9	34
Net Weight	kg	92	113	155	176
DIMENSIONS					
A	mm	235	230	260	260
B	mm	415	405	500	500
C	mm	630	760	775	900
D	mm	700	815	855	980
E	mm	785	900	950	1075
F	mm	880	1000	1060	1185
G	mm	1060	1400	1315	1550
H	mm	1150	1550	1405	1640
I	mm	1240	1645	1495	1730
L	mm	1550	1865	1725	1975
M	mm	380	380	380	380
N	mm	1180	1180	1180	1180
O	mm	180	180	180	180
P	mm	1630	1945	1805	2055
Q	mm	800	850	990	990
R	mm	600	650	790	790



KEY

- 1 \ Air valve G 1" F
- 2 \ Boiler flow G 1" F
- 3 \ Well G ½" F
- 4 \ Heating flow G 1½" F
- 5 \ Heating element G 1½ " F
- 6 \ Well G ½" F
- 7 \ Return boiler G 1" F
- 8 \ Well G ½" F
- 9 \ Heating return G 1" F
- 10 \ M6 bolt for connection of digital solar pump group
- 11 \ Solar flow G ¾" F
- 12 \ Solar return G ¾" F
- 13 \ DHW production module return G ¾" F
- 14 \ M8 bolt for connection of DHW production group
- 15 \ DHW production module flow G ¾" F

CODE



3060460 3060461 3060462 3060463

Energy class

B

C

C

C

For the whole accessory list see page 154

Buffer cylinder for primary circuit water, without coil



Features

- / Black steel cylinder
- / 82" connections to manage high power and high capacity sources
- / Ideal to match with plate heat exchangers to storage primary circuit water from solar and other sources
- / Direct connection with the boiler tanks to 6 bar working pressure
- / 8 probe holders (4 immersed and 4 contact probe holders)

TECHNICAL DATA

	MAXIS CKZ 1500	MAXIS CKZ 2000	MAXIS CKZ 2500	MAXIS CKZ 3000
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Capacity	l	1460	1953	2463	2929
Max. working pressure	bar	6	6	6	6
Max. cylinder working temperature	°C	95	95	95	95
Thermal loss (EN 60379)	kWh/24h	3,1	3,6	4,2	4,6
Empty weight	kg	194	259	333	381

DIMENSIONS

A	mm	370	385	435	445
B	mm	815	790	775	800
C	mm	1340	1195	1110	1155
E	mm	1735	1600	1450	1510
F	mm	2060	1975	1875	1945
H	mm	2185	2100	2000	2070
D int	mm	1000	1200	1400	1500
D ext	mm	1240	1440	1640	1740

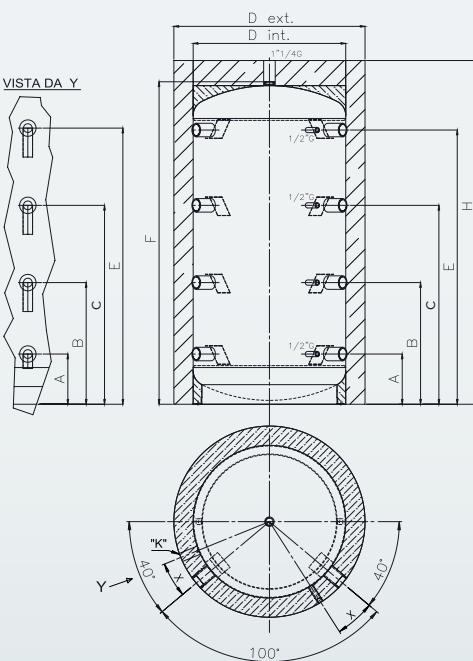
CODE



3060622	3060623	3060624	3060625
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Energy class

C	C	-	-
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KEY

- 1 \ Primary circuit connection G 2"
- 2 \ Air release valve G 2"
- 3 \ robe well G 1/2 "

For the whole accessory list see page 154

Cylinder Accessories

Description	Code	BC1S 7B	BC2S 7B	BCH EE	CDZ	CD1	CD1 F	CD2 F	CK1	BDR
Electric Kit 2 kW 230-400V 1 1/2"	3078222	•	•							
Electric Kit 6 KW 400V - 1 1/2"	3078223	• (only 450l)	• (only 450l)							
Electric Kit BDR CDS 1,5 KW-230V	3078069									• (80-100-120-150-200)
Electric Kit BDR CDS 2,5 KW-230V	3078070									• (80-100-120-150-200)
Electric Kit BDR CDS 2,5 KW-TRI	3078071									• (80-100-120-150-200)
Electric Kit 3 KW 230-400V	3105046				•	•	•	•	•	

Description	Code	BC1S 7B	BC2S 7B	BCH EE	CDZ	CD1	CD1 F	CD2 F	CK1	BDR
Electric Kit 12 KW 400V	3078157				•	•	•	•		
Electric Kit 24 KW 400V	3078158				•	•*	•**	•**		
Electric Kit 36 KW 400V	3078159				•	•*				
Flange DN 400 for electric kit INST	3105044				•	•				
Flange DN 168 for electric kit INST	3105045						•	•		

*3105044 mandatory

**3105045 mandatory

How to read the symbols

The icons have been designed to facilitate the reading of the features of each product. Ariston makes it possible, from the very beginning, to quickly and easily identify performance levels, understand the different ranges and evaluate purchasing criteria.

In short, users can familiarise themselves with each machine without becoming confused or wasting time, in line with the Ariston philosophy of always offering the customer - and the professional technician - a service which is clear and easy to use.



SUPER SILENT

Silent functioning, respectful of the quiet of your everyday life



ENERGY EFFICIENT

Better exploitation of energy and renewable sources, enhanced performance



ITALIAN DESIGN

The elegant aesthetics is designed in collaboration with Italian designers, an attention to details that dares to be shown off



SYSTEM MANAGEMENT

Manage all Ariston products connected in system thanks to BusBridgeNet® technology



MADE IN EUROPE

Made in Europe



ANTI-CORROSION

Longer durability and high performance thanks to the anti-corrosion Pro-tech technology



EASY INSTALLATION

Installation time and process optimized in cooperation with experts and professionals



SOLAR INTEGRATION

It can be connected in system with Ariston solar-sourced products



MADE IN ITALY

Made in Italy



EASY INSPECTION

Large inspection flange for an easier access to the internal components of the products



EASY MAINTENANCE

Frontal access to all main components



ENERGY SAVING

New technologies and higher energy efficiency, saving money in your annual bills



AUTO FUNCTION

It quantifies the effort needed to reach the temperature you desire and keep it stable



COMFORT FUNCTION

It speeds up the delivery of hot water in two modes: Comfort Plus mode (always hot water only in 5") and Comfort mode (hot water for 30' after the last withdrawal)



EASY TO USE

Intuitive menu: you can set the desired temperature and easily activate functions



LOW EMISSIONS

Ariston low emission technology, compliant with the most strict European regulations



SMART MENU

With the all the relevant information and functions immediately available on the display. It is possible to set the wall hung boilers in few steps and clearly identify the problem for a quick response



After-sales service



First class service

Ariston service model is designed to offer efficiency and professionalism to all its customers.



Genuine Ariston spare parts

All Ariston spare parts are built and tested to guarantee the best possible quality and the reliability of your Ariston product. Using genuine Ariston spare parts and components is the only way to keep your system at its best, fulfilling legal and warranty requirements.



Maximum peace of mind

Ariston gives you the assurance of long-term product quality and safety, and in case of any potential problem it ensures that everything will be dealt with quickly and professionally.

Look up the closest service center at ariston.com
or call the Ariston Customer Service at the toll-free number XXX XXX XXX





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