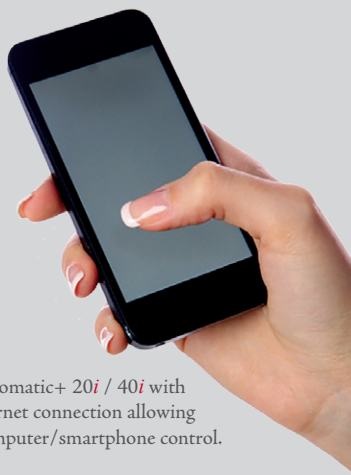


ARITERM PELLET SYSTEM



Ariterm Biomatic+ 20i



Ariterm Biomatic+ 20i / 40i with WiFi/Internet connection allowing remote computer/smartphone control.



Ariterm Biomatic+ 20 in combination with Ariterm Feedo feeding system and the Ariterm Depo.

■ Ariterm Biomatic+ 20/40 – Next generation of integrated pellet boilers

The Ariterm Biomatic+ 20 and Ariterm Biomatic+ 40 are highly efficient, user friendly and easy to install pellet boilers for domestic applications. With integrated tap water production (optional) and a large internal water volume, making a separate buffer tank unnecessary, allowing control of two different heating circuits they offer cost effective and small footprint installation possibilities. All designed and manufactured to meet the requirements of the tough Nordic climate.

The Ariterm Biomatic+ 20/40 has a modern design and as standard fitted with the renowned and reliable integrated pellet burner they offer a class leading comfort, environmental performance and efficiency. Motorized automatic convection cleaning, large ash bin and slide out burner allows easy access and maintenance.

The digital control system, designed for domestic pellet application, allows control in different power modes providing information of operational status, alarms, pellet volumes etc. Integrated with the Ariterm Feedo feeding system, the Ariterm Depo bulk silo or with the Ariterm 450l close coupled storage the Ariterm Biomatic+ 20/40 shows their true advantages forming a complete pellet heating system. Ariterm Biomatic+ 20/40 meet stringent European Standards.

Ariterm Biomatic+ 20/40 now also as *i*-versions

The *i*-versions - Ariterm Biomatic+ 20*i* and Biomatic+ 40*i* - offers even greater user friendliness, increased control possibilities as well as improved installer support.

The *i* in Ariterm Biomatic+ 20i/40i stands for:

*i*NTELLIGENT: Self-regulating Lambda based control adjusting the combustion as it operates.

*i*NTERNET CONNECTIVITY: Connect to internet via local WiFi-network and monitor performance, set temperatures etc from a distance via PC's, Tablets, iPads, Androids, or iPhones.

*i*NFORMATIVE: Easy to use new graphical interface, collect and store performance data, generate messages of status reports, alarms etc.

*i*NTEGRATED: With a large internal water volume the buffer is integrated, hence no need for a separate tank. The burner is placed for easy inspection and maintenance and as an option there is a 450 liter pellet storage.

Standard, Light and Ultra-Light

Ariterm Biomatic+ 20/40 as well as Ariterm Biomatic+ 20i/40i comes in Standard version with immersion heater and domestic hot water exchanger/charging pump. All boilers are also available without immersion heater - Light version - as well as without both immersion heater and domestic hot water exchanger/charging pump - Ultra-Light version.

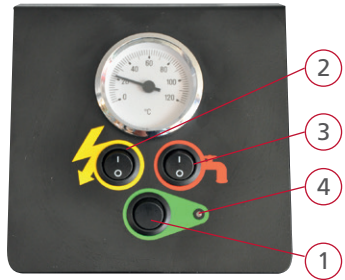


Sustainable Energy Solutions from Scandinavia

Bio-Nordic Ltd

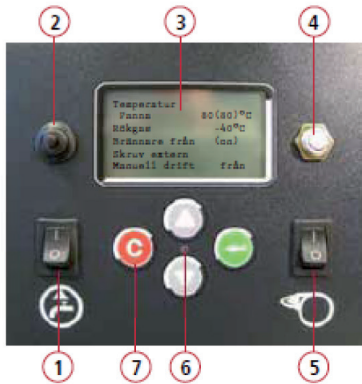
info@bio-nordic.co.uk • www.bio-nordic.co.uk

PELLET BOILER BIOMATIC+



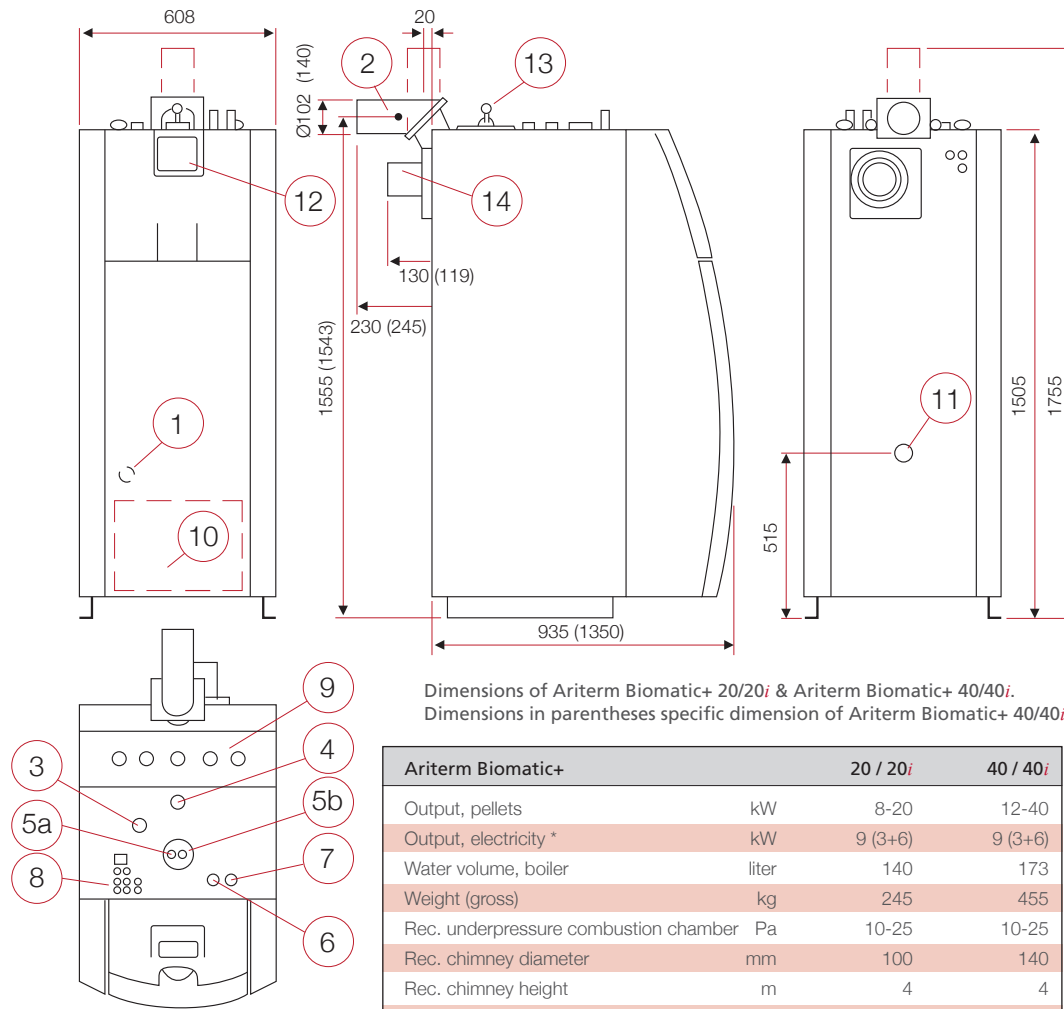
Control unit Biomatic+ 20i/40i

1. Pellet burner On/Off
2. Immersion heater On/Off
3. Pellet burner On/Off
4. Status Led



Control unit Biomatic+ 20/40

1. Domestic hot water On/Off
2. Fuse Tap water pump
3. Display
4. Overheat protection
5. Pellet burner On/Off
6. Status Led
7. Keypad



- 1 Drain valve DN 15, internal thread
- 2 Flue
- 3 Connection for extra heating circuit DN 25, external thread
- 4 Connection for expansion DN 25, external thread
- 5a Outlet to heating circuit from 4-way mixing valve
- 5b Return from heating circuit to 4-way mixing valve
- 6 Cold industrial water 22 mm Cu
- 7 Hot industrial water 22 mm Cu
- 8 Electrical connections
- 9 Cleaning hatch
- 10 Ash box
- 11 Return DN 25, internal thread
- 12 Display/keypad
- 13 Automatic convection cleaning
- 14 Flue gas fan

Included in the delivery	20/40	20i/40i
First heating circuit 4-way mixing valve & motor	x	x
Sweeping tools	x	x
Silt filter	x	x
Masonry support	x	x
Flue pipe connection	x	x
Outdoor temperature sensor	x	x
Room sensor without display	x	—
Wireless room sensor with display	—	x
Flow line water's temperature sensor	x	x
Flue gas fan	x	x
Automatic convection cleaning	x	x
Flow switch for domestic hot water**	x	x
Lambda sensor & control	—	x

Feature Arterm Biomatic+	20/40	20i/40i
Partial Lambda (O ₂)	Option	Yes
Full Lambda (O ₂ and fuel feed)	No	Yes
Room sensor with display (cable)	Option	No
Wireless room sensor with display	Option	Yes
Outdoor temperature compensation	Yes	Yes
Remote alarms	Option (GSM)	Yes
Remote control	Limited option (GSM)	Yes
Remote settings	No	Yes
Email notification	No	Yes
Modern digital display interface	No	Yes
Connect with "Apps"	No	Yes
2 heating circuits control	Yes	Option
Automatic convection cleaning	Yes	Yes
Flue gas fan with control	Yes	Yes
Integrated 140/173 liter "buffer tank"	Yes	Yes
Immersion heater *	Yes	Yes
Domestic hot water **	Yes	Yes
Close coupled 450 liter storage	Option	Option

* Not applicable for Light or Ultra-Light versions.

** Not applicable for Ultra-Light version.