

ARITERM PELLET SYSTEM

For a sustainable future



Ariterm Biomatic+ 20i



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



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

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

The Ariterm Biomatic+ 20i and Ariterm Biomatic+ 40i are highly efficient 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 they offer cost effective and small footprint installation possibilities.

With their *i*-control Ariterm Biomatic+ 20i and Biomatic+ 40i also offer great user friendliness, superior control possibilities as well as allowing 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 cable or 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 performance data, generate messages of status reports, alarms etc.
- i*NTEGRATED: With DHW exchanger (optional) and large internal water volume the buffer is integrated, hence no need for a separate tank.

The Ariterm Biomatic+ 20i/40i 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. Automatic convection cleaning, large ash bin and slide out burner allows easy access and maintenance.

Naturally Ariterm Biomatic+ 20i/40i meet stringent European Standards since designed and manufactured to meet the requirements of the tough Nordic climate.

Integrated with the Ariterm Feedo feeding system, the Ariterm Depo bulk silo or with the Ariterm 450l close coupled storage the Ariterm Biomatic+ 20i/40i shows their true advantages forming a complete pellet heating system.

Standard, Light and Ultra-Light

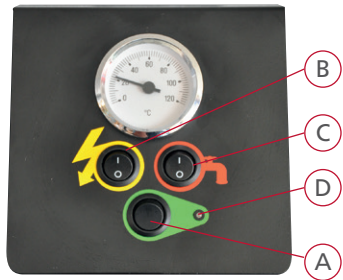
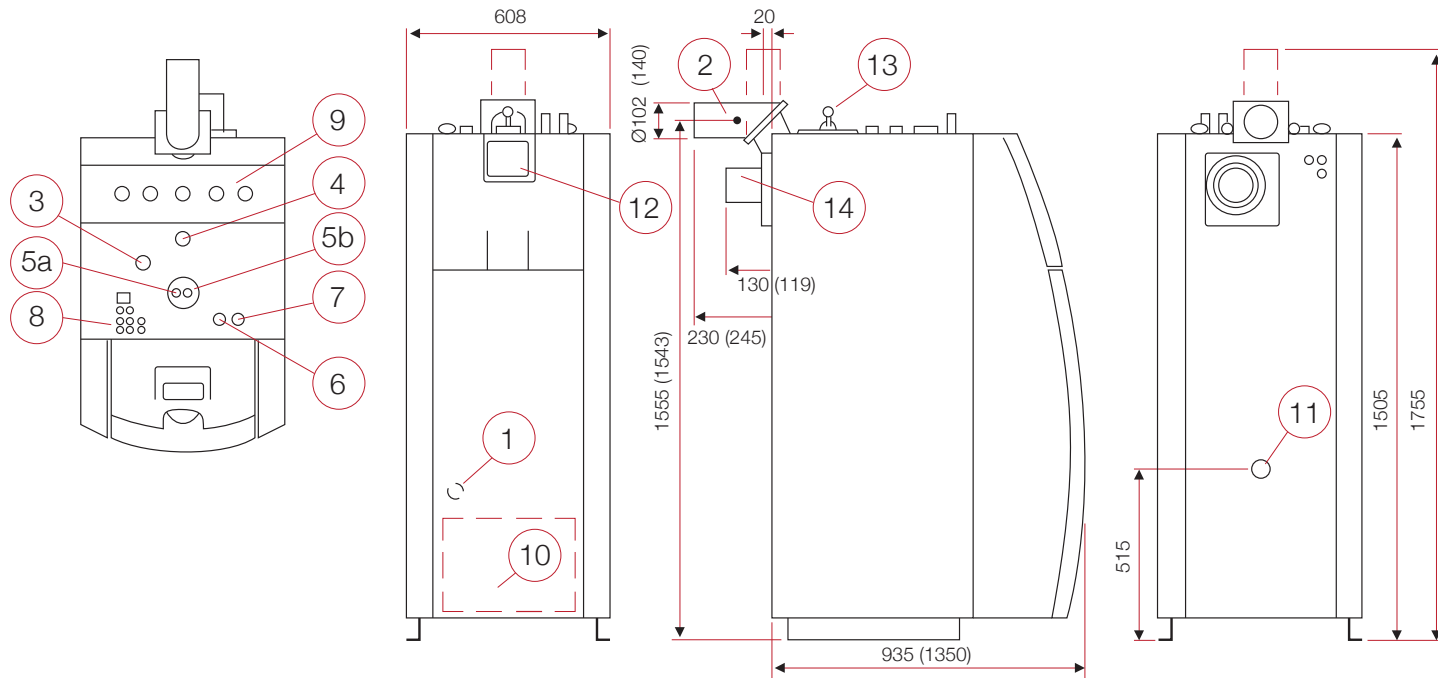
Ariterm Biomatic+ 20i/40i comes in Standard version with immersion heater and domestic hot water exchanger/charging pump. All boilers are also available without immersion heater – Light version – as well as without both immersion heater and domestic hot water exchanger/charging pump – Ultra-Light version.

ARITERM AB

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PELLET BOILER BIOMATIC+ 20i/40i



Control unit Biomatic+ 20i/40i

- A. Pellet burner On/Off
- B. Immersion heater On/Off
- C. Domestic hot water On/Off
- D. Status Led

- 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

Dimensions of Arterm Biomatic+ 20i & Arterm Biomatic+ 40i.
Dimensions in parentheses specific dimension of Arterm Biomatic+ 40i.

Arterm Biomatic+		20i	40i
Output, pellets	kW	8-20	12-40
Output, electricity *	kW	9 (3+6)	9 (3+6)
Water volume, boiler	liter	140	173
Weight (gross)	kg	245	455
Rec. underpressure combustion chamber	Pa	10-25	10-25
Rec. chimney diameter	mm	100	140
Rec. chimney height	m	4	4

Included in the delivery	20i/40i
First heating circuit 4-way mixing valve & motor	x
Sweeping tools	x
Silt filter	x
Flue pipe connection	x
Outdoor temperature sensor	x
Wireless room sensor with display	x
Flow line water's temperature sensor	x
Flue gas fan	x
Automatic convection cleaning	x
Lambda sensor & control	x

Features Arterm Biomatic+	20i/40i
Tested EN303-5	Class 5
Full Lambda (O ₂ and fuel feed)	Yes
Wireless room sensor with display	Yes
Outdoor temperature compensation	Yes
Remote alarms	Yes
Remote control	Yes
Remote settings	Yes
Email notification	Yes
Modern digital display interface	Yes
Connect with "Apps"	Yes
2 heating circuits control	Option
Automatic convection cleaning	Yes
Flue gas fan with control	Yes
Integrated 140/173 liter "buffer tank"	Yes
Immersion heater *	Yes
Domestic hot water **	Yes
Close coupled 450 liter storage	Option

* Not applicable for Light or Ultra-Light versions.

** Not applicable for Ultra-Light version.