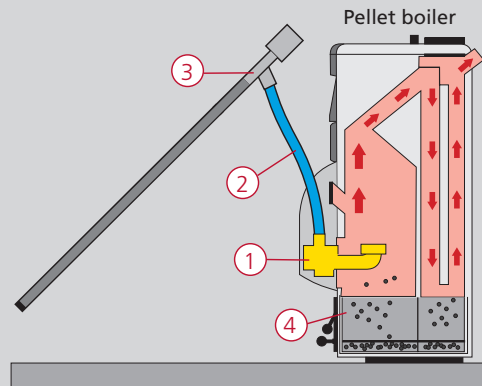
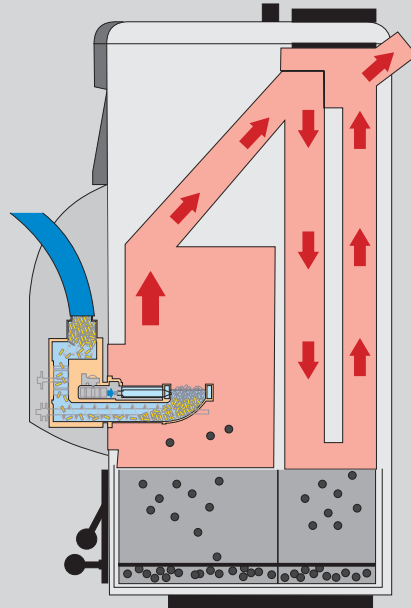


ARITERM PELLET SYSTEM



1. Pellet burner 2. Drop hose to burner
3. External feeding system 4. Ash box

■ Ariterm pellet system – complete from storage to boiler/burner. The market's most convenient!

The Biomatic+ 20 is a boiler with a modern design construction combined with our recognised safe and reliable pellet burner.

Convenience, environmental performance and efficiency are the best imaginable in order to fulfil the requirement for easy handling and efficient pellet heating. Biomatic+ 20 has a constant convection system that reduces deposition allowing the boiler to retain a high level of efficiency between services.

The need for servicing depends on pellet quality and output needs (fuel consumption) and varies seasonally. The generously sized ash container is simple to pull out and empty. The container has a volume of 50 litres which corresponds to the volume of ash normally obtained at a combustion of 2 tons of pellets at 0.5 % ash content and normal volume weight.

Automatic control

The control system is specially designed for pellet combustion and permits efficient control at 3 different settings. The control display provides information about operational status, such as, boiler temperature, exhaust temperature, rate of pellet consumption, amount of pellets remaining in storage, warning functions, etc.

From the point of view of convenience, Biomatic+ 20 shows its true advantages when it forms part of a complete pellet system with feeding from a storage container which is filled by the pellets being blown in from the bulk vehicle. Biomatic+ 20 can also be delivered without electric cartridge, hot water exchanger and internal circulation pump.

PELLET BOILER BIOMATIC+ 20



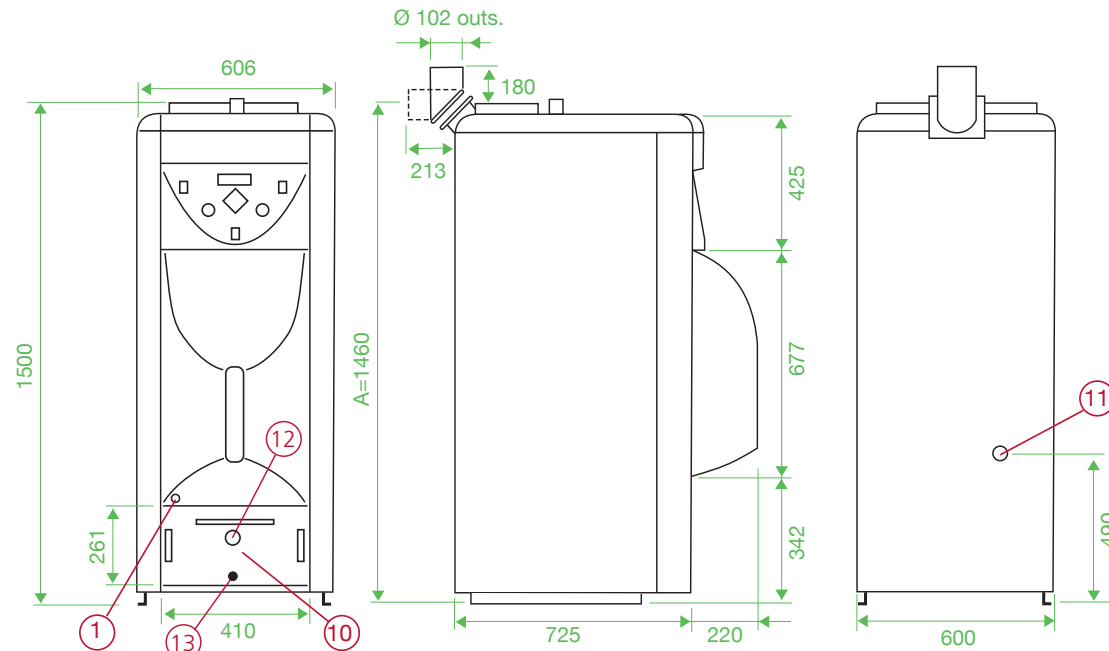
Control panel

1. Fuse, circulation pump hot water circuit
2. Fuse, circulation pump external heating circuit
3. Switch, circulation pump hot water circuit
4. Switch, circulation pump external heating circuit
5. Overheating protection, burner
6. Overheating protection, electric heating element
7. Control unit function keys
8. Display for info about operational status
9. On/off switch
10. Green indicating light
11. Red cause-indicating light
12. Flashing cause-indicating light
13. Connection to external auger 230V

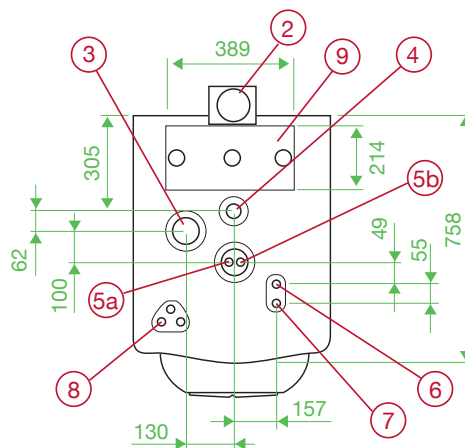
Biomatic+ 20		
Output, pellets	kW	8-20
Output, electricity	kW	9
Output, oil	kW	max 20
Water volume, boiler	liter	140
Weight (gross)	kg	245
Rec. draught ratio	mm vp	0,5-2,0
Rec. chimney diameter	Ø mm	120

Always consult with the sweeper about the boiler's arrangement.

Biomatic+ 20 is also available as a simpler version, the Biomatic+ 20 Ultra Light, supplied without electric cartridge, hotwater exchanger and internal circulation pump.



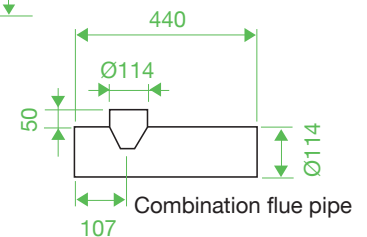
Height measurement that applies excludes adjustable feet



1. Drain
2. Flue pipe connection
3. Additional shunt outlet
4. Expansion
5. Shunt outlet
6. Cold water
7. Hotwater
8. Cable bushing
9. Sweeping hatch
10. Ash box
11. Return line
12. Rosette vent
13. Ash compressor

DN 15
Ø 102
DN 25 optional (accessory)
DN 25 optional
a) Feed line Cu 22 / DN 20
b) Return line Cu 22 / DN 20
Cu 22
Cu 22

DN 25 outs



A measurement incl. combination flue pipe = approx. 1710 mm

Delivery includes:

- Shunt valve ESBE TM 20
- Sweeping gear
- Combination flue for horizontal and vertical installation incl. in-wall connector length 270 mm

Accessories:

- Burner assembly kit and double thermometer for oil burner
- Shunt outlet

Chimney

When installing a new boiler the chimney should always be inspected to check for density, draught ratio and risk of condensation. Any draught regulator or inlet pipe should be installed.



Local Dealer