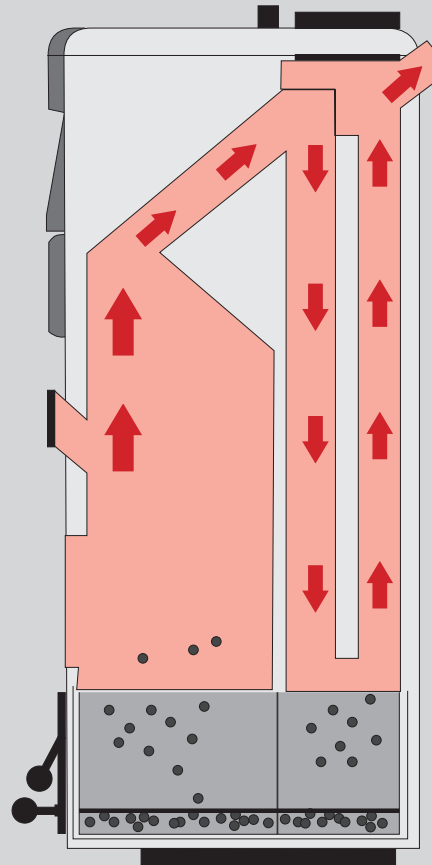


ARITERM PELLET SYSTEM



■ **Arterm Biomatic 50 fulfils the highest requirements to provide you with convenient and efficient pellet heating!**

Convenience, environmental performance and efficiency are the best imaginable, in order to fulfil the requirement of easy handling and efficient pellet heating. Biomatic 20+ has a constant convection system that reduces desposition 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 same also applies to maintenance needs of the burner. The generously sized ash container is simple to pull out and empty.

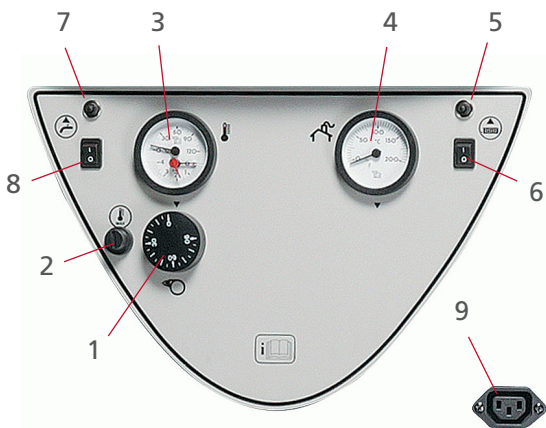
The container has a volume of 50 litres which corresponds to the volume of ash normally obtained at a combustion of 2 tons of pellets at 0.5 % ash content and normal volume weight. From the point of view of convenience, Biomatic 50 shows its real advantages when in a complete pellet system with feeding from a storage container which is filled by the pellets being blown in from the bulk vehicle.

Pellet burner

Biomatic is suitable for most pellet burners available on the market today in the 30-50 kW output range.

Oil burning

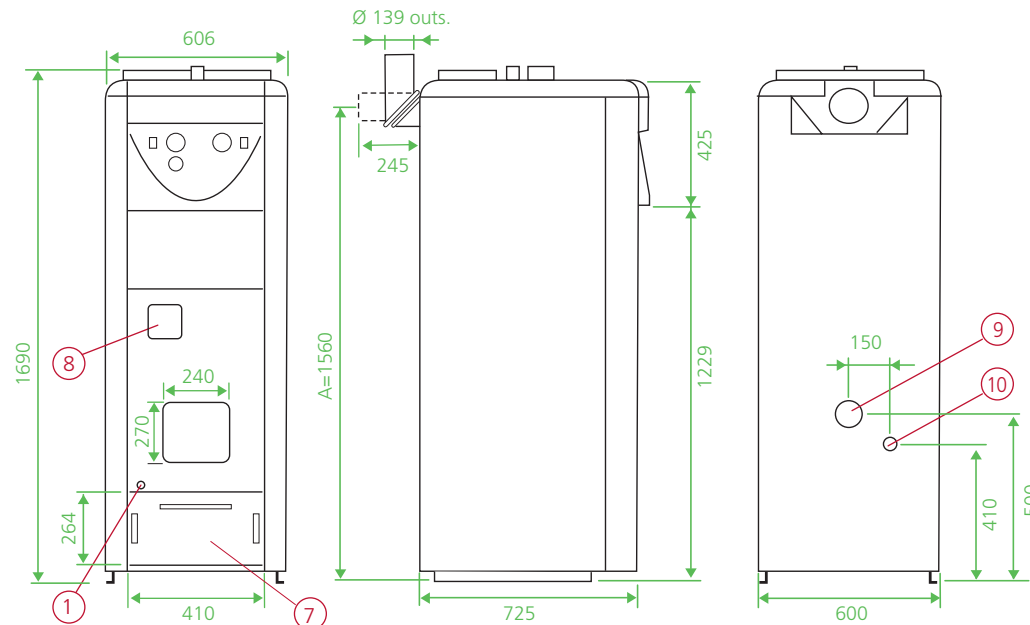
Adapted hatch and ashbox spare parts are also available as accessories that also make Biomatic 50 a more effective oil burner.



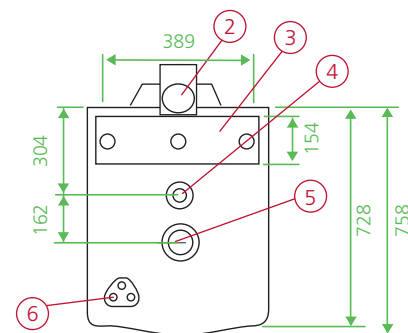
Control panel

1. Operation thermostat, burner
2. Overheating protection, burner
3. Thermometer / manometer
4. Exhaust thermometer
5. Fuse, circulation pump external heating circuit
6. Switch, circulation pump external heating circuit
7. Fuse, circulation pump external hotwater circuit
8. Switch, circulation pump external hotwater circuit
9. Connection to external auger 230V

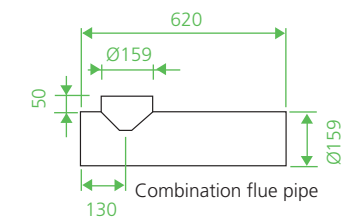
Biomatic 50		
Part No.		4023
Output, pellets	kW	50
Output, oil	kW	50
Water volume, boiler	litre	115
Depth of fireplace	mm	320
Height of fireplace	mm	800
Weight	kg	415
Rec. draught ratio	mm vp	0,5-2,0
Rec. chimney diameter.	Ø mm	150
Always consult the sweeper about the boiler's arrangement		



Height measurement that applies excludes adjustable feet



- | | |
|-------------------------|---------------|
| 1. Drain | DN 25 / DN 15 |
| 2. Flue pipe connection | Ø 139 |
| 3. Sweeping hatch | |
| 4. Expansion | DN 25 outs. |
| 5. Feed line | DN 50 outs. |
| 6. Cable bushing | |
| 7. Ash box | |
| 8. Sight glass | |
| 9. Return line | DN 50 outs. |
| 10. Return line | DN 25 outs. |



A measurement including combination flue pipe = approx. 1860 mm

Delivery includes:

- Combination flue for horizontal and vertical installation (Part No. 5208)
- Sweeping gear

Accessories:

- Hot water heat exchanger
- Burner assembly kit for oil burner

Chimney

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