

Designed and manufactured in Finland!

BioComp -boiler is a new generation automatic bio heating boiler. The fire chamber of the BioComp -boiler has a new round structure which improves heat recovery. Excellent efficiency* of the boiler together with its flexible structure enable the use of different burner types. Due to its high equipment level the boiler is suitable for almost all solid biofuels and heating oil.

Standard equipment:

- ✦ Nominal output 40, 60, 80, 120 and 150 kW
- ✦ Automatic convection cleaning - easy to use - small demand for cleaning and maintenance
- ✦ Plate heat exchanger for domestic hot water - primary circuit pump also functions as a boiler mixing pump
- ✦ Flue gas fan - maintains constant fire chamber pressure and ensures even burning
- ✦ Ceramic-insulated, large ash compartment - reduces radiation loss and extends discharge interval
- ✦ Burner hatch on either left or right hand side, maintenance hatch in front - flexible installations

Accessories:

- ✦ Ash screws below the fire chamber and convection part, secondary ash screw, ash chamber
- ✦ Electric resistance - max 2 x 9 kW (40-60 kW: 1 x 9 kW)
- ✦ Oil burner kit
- ✦ Burner kit according to chosen burner



All Ariterm boilers and pressure vessels are manufactured according to the highest class of pressure equipment directive (PED).

- ✦ High max. operating pressure: 3 bar
- ✦ High max. operating temperature: 130 °C

*Equipped with BioJet 60 pellet burner and AM200 automation the BioComp boiler has an excellent, 93 %, efficiency, and low NO_x and CO emissions (measured according to EN 303-5 -standard).

Technical data

Boiler	BioComp 40	BioComp 60	BioComp 80	BioComp 120	BioComp 150
Power, kW	40	60	80	120	150
Weight, kg	495	640	786	1035	1193
Capacity, l	175	280	330	448	567
Max pressure, bar	3,0	3,0	3,0	3,0	3,0
Max temperature, °C	130	130	130	130	130
Chimney ø, mm	150	150	150	200	200

Boiler measurements					
kW	40	60	80	120	150
A	250	360	400	440	480
B	610	680	820	900	1000
B2	970	1040	1180	1260	1360
B3	760	830	970	1050	1150
H	1520	1520	1520	1720	1720
L	1100	1260	1420	1530	1700
S1	360	380	455	510	560
S2	610	670	690	710	730
S3	1563	284	284	284	284
S4	152	147	155	205	205
S5	390	425	435	505	505
S6	360	380	455	510	560
S7	250	250	250	250	250

- Boiler water overheating protection DN 15
- Boiler water temperature sensor DN 15
- Spare DN 15
- Fire chamber overpressure switch DN 15
- Fire chamber under/overpressure sensor DN 15
- Cold water Ø 22 Cu
- Warm water Ø 22 Cu
- Plate heat exchanger
- Heat exchanger pump
- Bleeding screw for the water network
- Expansion / relief valve DN 25
- Flow to network DN 50
- Return from network DN 50
- Electric resistance connection DN 50
- Drain connection DN 20
- Burner opening, right or left side
- Maintenance hatch
- Viewing screen
- Convector cleaning hatch
- Ash hatch
- Cleaning hatch
- Convector cleaner motor
- Ash screw motor
- Ash screw
- Chimney duct Ø 139

