

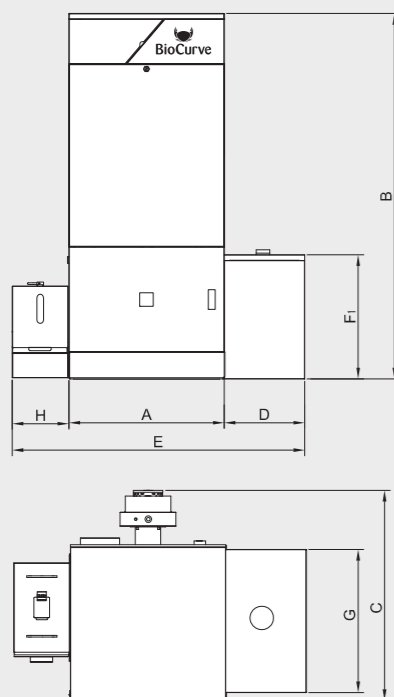
Technical specifications



A++

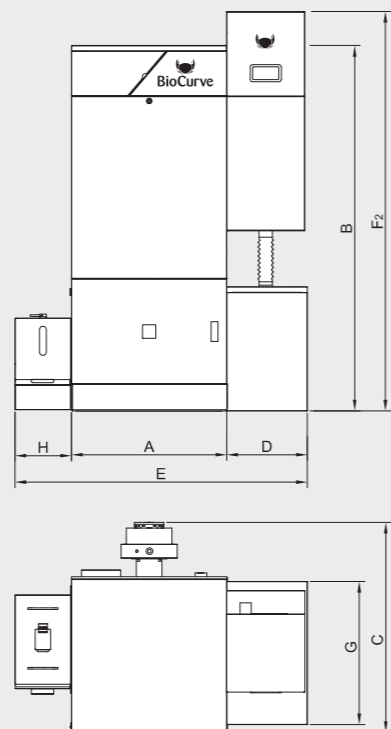
Automatic auger feeding

1



Automatic vacuum suction feeding

2



Boiler model		BCH25	BCH30	BCH40	BCH50	BCH60	BCH70	BCH80	BCH100	BCH125
Output range	kW	7,5-25	9-30	12-40	15-50	18-60	19-66	24-80	30-100	37-125
Energy efficiency class		A++	A++	A++	A++	A++	A++	Regulation applicable on solid fuel boilers with a rated heat output of 70 kW or less		
Energy efficiency index (EEL)		128	128	127	127	128	128			
Seasonal energy efficiency	η_{son}	91	91	91	90	91	91			
Efficiency at nominal/reduced output *	%	101,5/100,5	101,5/100,5	101,8/98,8	102,0/97,7	102,7/98,5	102,4/98,2	104,2/100,0	105,7/101,8	105,1/101,0
Flue gas manometric pressure at nominal/reduced output	Pa	8/5	8/5	8/5	8/5	8 / 5	8/5	8/5	8/5	8/5
Flue gas temperature at nominal/reduced output	°C	50 / 38	48/38	46/39	44/40	44 / 40	45 / 41	42/39	39/37	39/37
Water capacity	l	78	78	112	112	112	112	213	213	213
Operating temperature	°C	27-80	27-80	27-80	27-80	27 - 80	27-80	27-80	27-80	27-80
Maximum operating pressure	bar	3	3	3	3	3	3	5	5	5
Water flow/return connection	"GAS/M	1 1/4"	1 1/4"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2"	2"	2"
Water drain connection	"GAS/M	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	3/4"	3/4"	3/4"
Flue gas pipe diameter	mm	150	150	200	200	200	200	200	200	200
Total dry weight 1 2	kg	400/425	400/425	430/455	430/455	430/455	430/455	675/700	675/700	675/700
Dimension A	mm	695	695	695	695	695	695	845	845	845
Dimension B	mm	1465	1465	1665	1665	1665	1665	1710	1710	1710
Dimension C	mm	850	850	850	850	850	850	1105	1105	1105
Dimension D	mm	350	350	350	350	350	350	350	350	350
Dimension E	mm	1295	1295	1295	1295	1295	1295	1445	1445	1445
Dimension F1/F2	mm	555/1615	555/1615	555/1815	555/1815	555/1815	555/1815	555/1860	555/1860	555/1860
Dimension G	mm	640	640	640	640	640	640	640	640	640
Dimension H	mm	250	250	250	250	250	250	250	250	250
EN 303-5:2012	Class	5	5	5	5	5	5	5	5	5

The biomass condensation

BCH 25-125 kW

105%

Thermal efficiency based on the L.H.V. of the fuel

Stunning performance

- Unbeatable efficiency
- Optimal energy transfer
- Lowest emissions
- Dual temperature setpoint
- Wide temperature range
- Unique biomass boiler with spiral heat exchanger

Outstanding equipment

- Stainless steel heat exchanger
- Lambda probe
- Web server remote control
- Automatic feeding system
- Graphic colour touchscreen
- Exchanger automatic cleaning
- Burner plate smart cleaning
- Automatic ignition system



BioCurve boilers work best with ENplus A1 sealed pellets, under EN14961-2 standards
* Efficiency based on the lower heating value (L.H.V.) of the fuel

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10 years warranty for the boiler shell (ask for conditions)

Automatic cleaning by water jets, enabling an optimal energy yield for a long time.

Patented heat exchanger
The only biomass spiral heat exchanger, made completely of stainless steel, holds an exchange surface up to 50% larger than a standard exchanger.

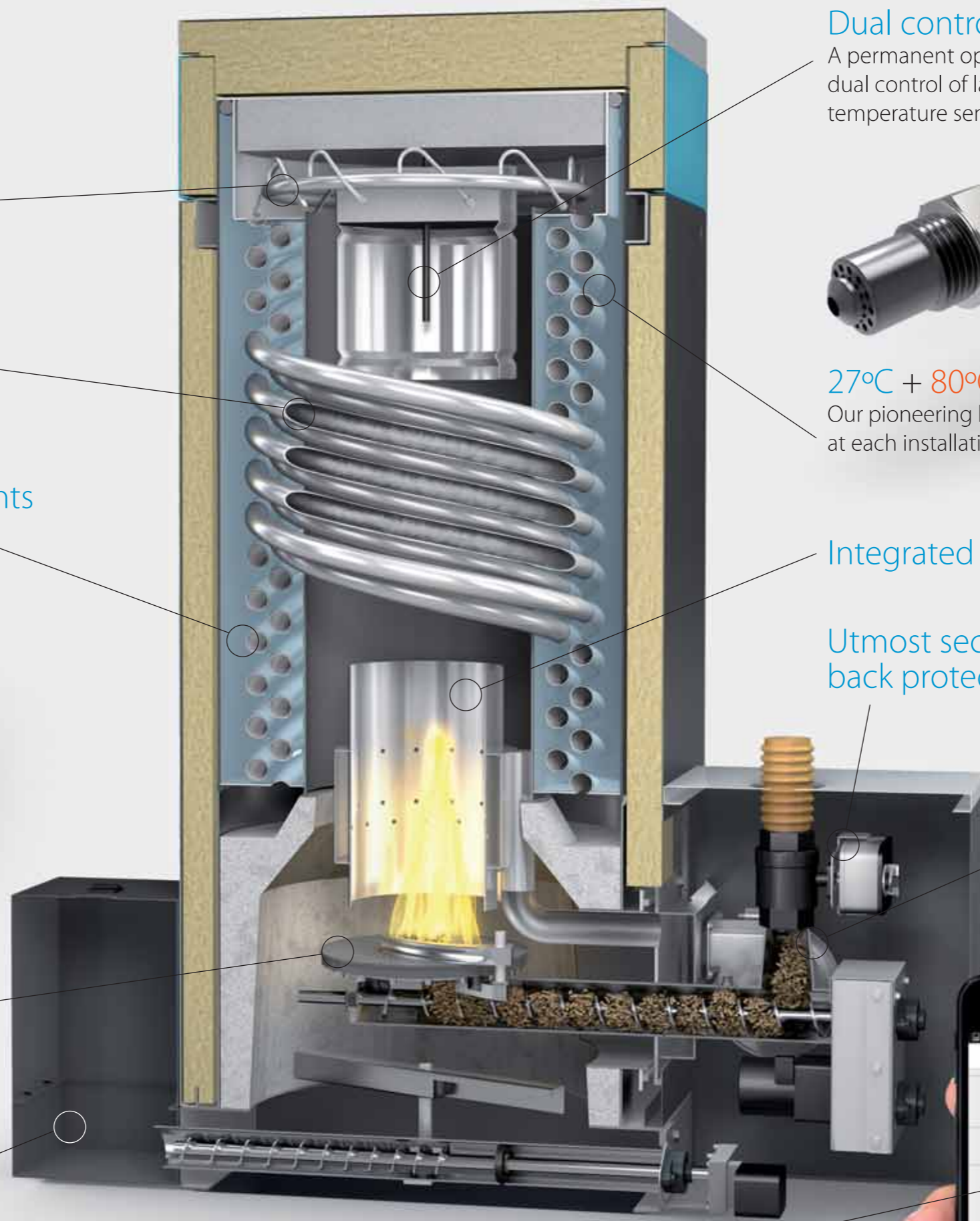
Return temperature without constraints
BCH boilers work smoothly under any condition, either condensing or non-condensing.



Patented burner
The first rotating underfed burner with self-cleaning system allows a perfect combustion at each power step.

Ash extractor and compactor which guides ashes to a removable ash box, making even easier BCH's use.

Remote management via Smartphone/computer
The most comfortable way of managing the boiler. Ignition, setup control and recorded operating hours anytime, anywhere.



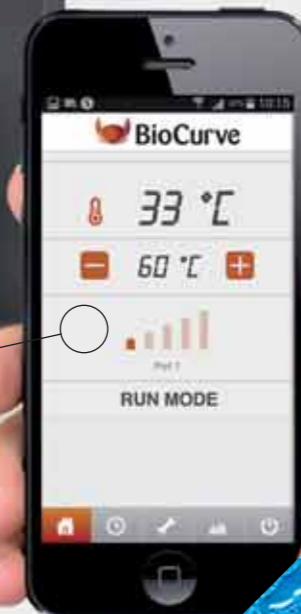
Dual control
A permanent optimal combustion thanks to the dual control of lambda probe and chamber temperature sensor

27°C + 80°C
Our pioneering biomass dual setpoint allows the perfect performance at each installation need, from 27°C to 80°C

Integrated secondary combustion

Utmost security thanks to the burn back protection

Electronically controlled primary combustion
The electronic fan, controlled by a 0-10Vdc signal, improves up to 3% the efficiency at minimum power.



CLASS
5
EN 303-5