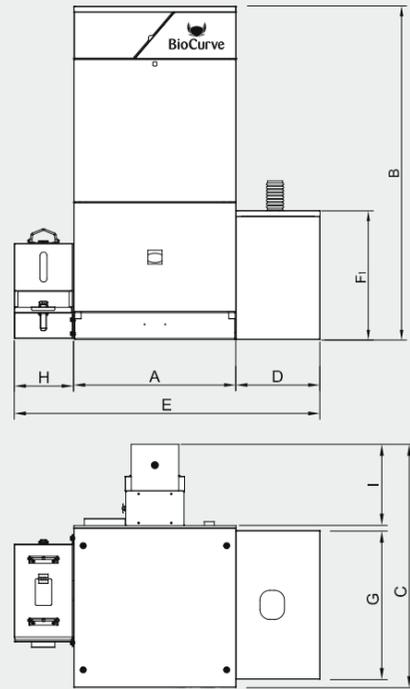


# Technical specifications

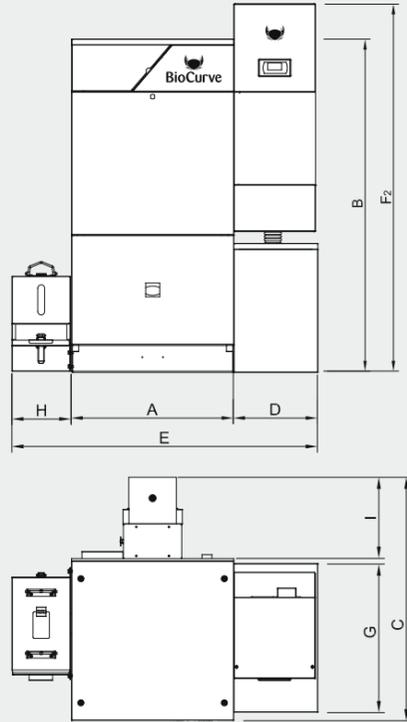
Automatic auger feeding

1



Automatic vacuum suction feeding

2



A++

## The pellet condensing boiler BCH 25-150 kW

# 105%

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

### Stunning performances

- Unbeatable efficiency
- Minimum fuel consumption
- Lowest emissions
- Unique dual temperature setpoint
- Wide temperature range
- Reduced maintenance time

### Outstanding equipment

- Stainless steel heat exchanger
- Burner plate smart cleaning
- Automatic ignition system
- Automatic exchanger cleaning
- Remote control via Smartphone
- Ash extractor to removable drawer
- Lambda probe
- Graphic colour touchscreen



Boiler model		BCH25	BCH30	BCH40	BCH50	BCH60	BCH70	BCH80	BCH90	BCH100	BCH125	BCH150
Output range	kW	7,5-25	9-30	12-40	15-50	18-60	20-69	24-80	27-90	30-100	37-125	45-150
Energy efficiency class		A++	A++	A++	A++	A++	A++	A++	A++	A++	A++	A++
Energy efficiency index (EEI)		128	128	128	128	129	130	131	132	133	132	131
Seasonal energy efficiency	$\eta_{son}$	91	91	91	91	92	92	93	93	94	93	93
Efficiency at nominal/reduced output *	%	100,4/98,4	100,7/98,3	101,4/98	102,1/97,7	102,9/98,5	103,6/99,3	104,3/99,9	105/100,8	105,7/101,6	105/99,8	104,3/98,1
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	8/5	8/5
Flue gas Temperature at nominal/reduced output	°C	47/40	48/40	46/40	44/40	44/40	45/41	42/39	40/38	39/37	39/37	43/41
Water capacity	l	78	78	112	112	112	112	213	213	213	213	213
Operating temperature	°C	25-80	25-80	25-80	25-80	25-80	25-80	25-80	25-80	25-80	25-80	25-80
Maximum operating pressure	bar	3	3	3	3	3	3	5	5	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"	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"	3/4"	3/4"
Flue gas pipe diameter	mm	150	150	200	200	200	200	200	200/250**	200/250**	250/300**	300
Total dry weight	kg	400/425	400/425	430/455	430/455	430/455	430/455	675/700	675/700	675/700	690/715	690/715
Dimension A	mm	695	695	695	695	695	695	845	845	845	845	845
Dimension B	mm	1465	1465	1665	1665	1665	1665	1710	1710	1710	1710	1710
Dimension C	mm	1050	1050	1050	1050	1050	1050	1270	1270	1270	1270	1270
Dimension D	mm	360	360	360	360	360	360	360	360	360	360	460
Dimension E	mm	1305	1305	1305	1305	1305	1305	1455	1455	1455	1455	1555
Dimension F1/F2	mm	555/1615	555/1615	555/1815	555/1815	555/1815	555/1815	555/1860	555/1860	555/1860	555/1860	555/1860
Dimension G	mm	640	640	640	640	640	640	640	640	640	640	640
Dimension H	mm	250	250	250	250	250	250	250	250	250	250	250
Dimension I	mm	355	355	355	355	355	355	400	400	400	400	400

\* Efficiency based on the lower heating value (L.H.V.) of the fuel

\*\* The flue gas pipe diameter of these units is settled by the working temperature of the boiler, either under condensing (narrower diameter) or non-condensing conditions (wider diameter).

Non-binding data. The images are symbolic representations. Specifications are subject to change without notice.

BioCurve only recommends ENplus A1 sealed pellets.

**BioCurve**  
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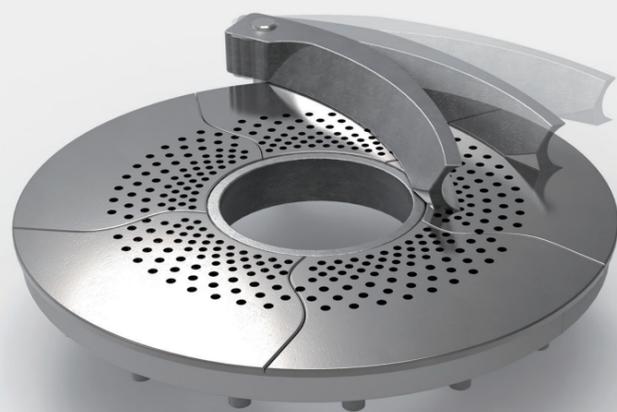


10 years warranty for the boiler shell (ask for conditions)

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

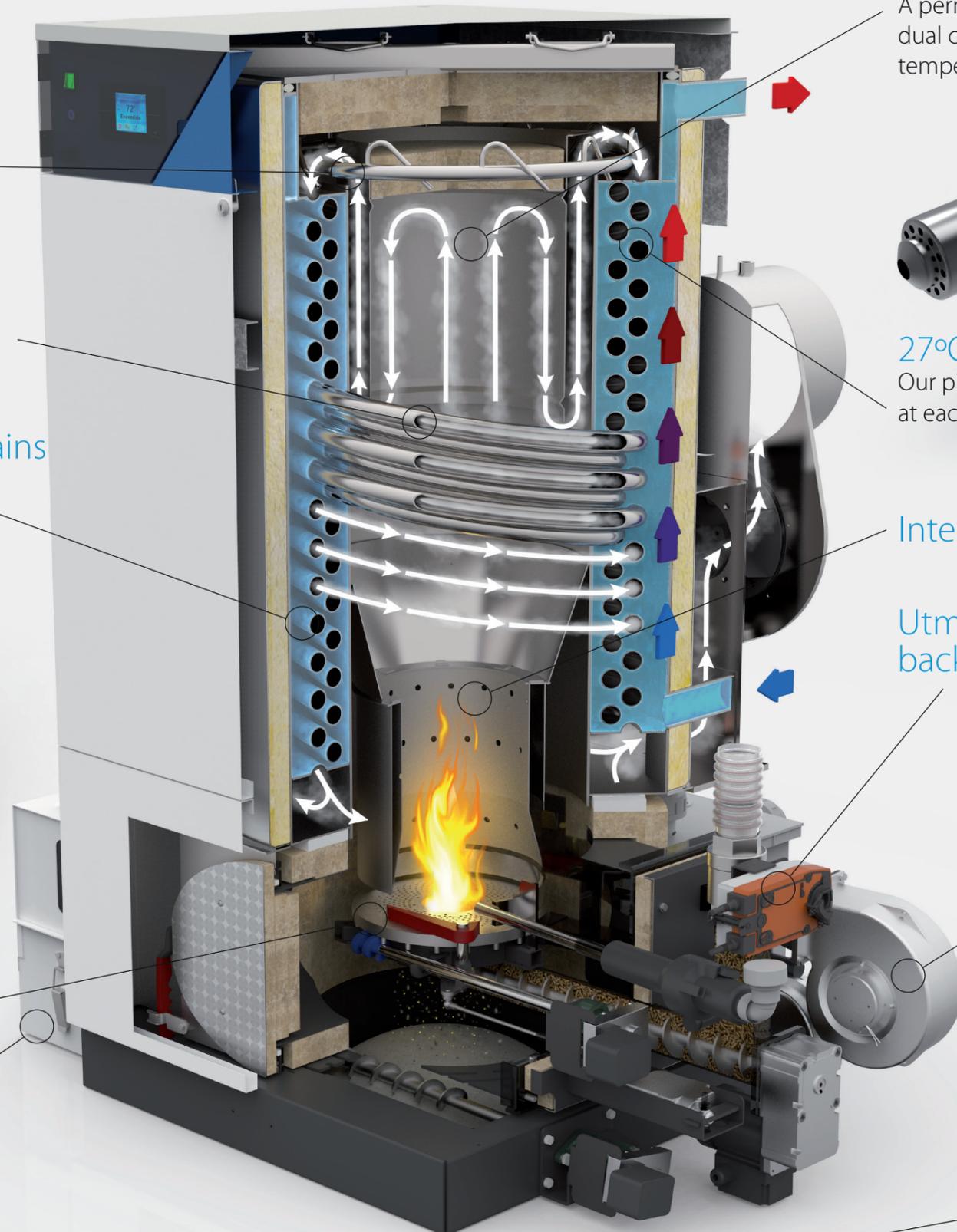
**Patented heat exchanger**  
The only biomass spiral heat exchanger, made completely of stainless steel, holds an exchange surface up to 50% larger than a standard exchanger.

**Return temperature without constrains**  
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**  
wich guides ashes to a removable ash box, making even easier BCH's use.



**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 0-10 Vdc signal, improves up to 3% the efficiency at minimum power.

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



CLASS  
**5**  
EN 303-5