

HBC BioCell

Your best choice



ANIMAL WELFARE AND COWS HEALTH

The pasteurized solid at the outlet of the HBC is a **safe and healthy product** with a great impact on reduction of infection spreading through animal bedding and rest areas.

Healthy and unstressed animals have a longer production life in full respect of the animal welfare canons.



HEALTHY AND COMFORTABLE BEDDING

The on-board software allows the **full control of the hygienizing process**, stopping the material discharge in case the pasteurization temperature level is not reached.

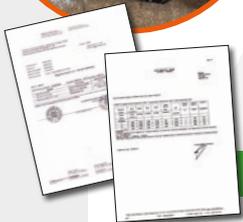
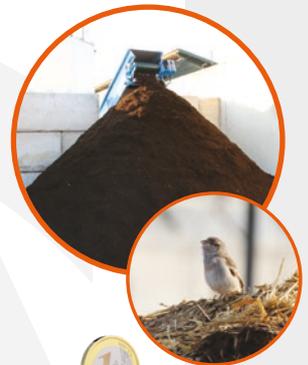
The internal mixing and fresh air blowing grant more fluffiness to the solid, thus increasing the **animal comfort**.



SUSTAINABILITY, RECYCLING AND COST SAVINGS

With hygienized separated solid it is possible to fully **respect the sustainability** canons, transforming the dejections in a highly safe and comfortable product for animal bedding.

The only **savings** of the traditional bedding material grant a quick return of the investment.



QUALITY CONTROL



EASY TO USE AND REMOTE CONTROL

The **user friendly software** allows a quick and efficient viewing of the "HBC" data and the remote control by PC or smartphone.

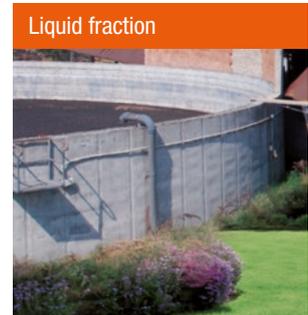


OPERATING PERFORMANCE

Production: up to 20 t/day of hygienized solids.

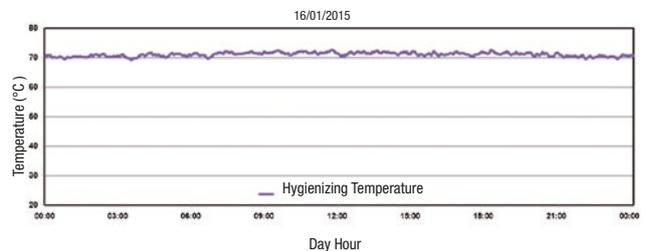
Hygienisation: guaranteed pasteurization system (1 hour at 70°C).

Drying: up to 55% of dry material (by adjustment of the HRT)



PROCESS

The process of biodrying or biostabilization occurs inside the HBC biocell: the presence of oxygen (air) supports an aerobic process of biological degradation of the organic substances present in cow manure. The process is highly exothermic and the resulting heat production is used to ensure the hygienisation of the product and to evaporate the water content. The exothermic biological process means that the material remains at a temperature of 70°C for at least 60 minutes, ensuring pasteurization.

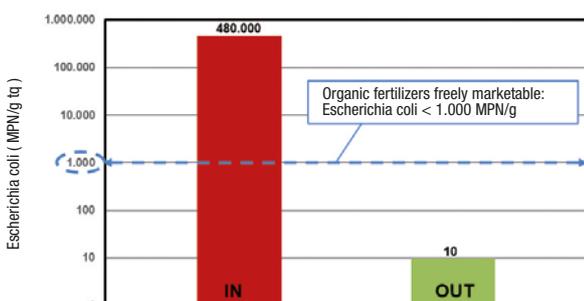


QUALITY OF HYGIENIZED SOLID ⁽¹⁾

Escherichia coli

Limit value 1.000 MPN/g according to:

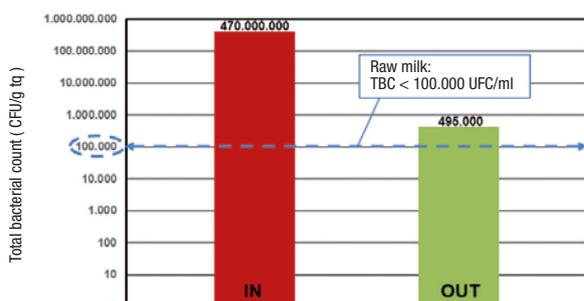
- Animal by-products after pasteurization (Legislative Decree n. 75/2010).
- Freely marketable organic fertilizers (Reg. UE 142/2011).



Total Bacterial Count TBC

In Europe there are not official limits for TBC.

As only indicative information, the limit value for raw milk is 100.000 UFC/ml.



- (1) Analyses relating to Laboratory tests. Absence of salmonella.

TECHNICAL FEATURES

- 01 Level gauge
- 02 Temperature sensors
- 03 Material extraction screw conveyor



- 04 Mixer gear unit



- 05 Vapors extractor
- 06 Insulation panels
- 07 Mixing paddles
- 08 Air blower
- 09 Loading cells



Electric control panel



HBC VIDEO

