



COCCINELLE SYSTEM
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COCCINELLE™

MODULAR CONTAINERIZED BIOREACTOR FOR AEROBIC COMPOSTING

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PATENTED AND PROVEN **CONTAINERIZED REACTOR SYSTEM**, THE COCCINELLE™ ARE A **MODULAR, RELIABLE AND PROVEN** TECHNOLOGY FOR AEROBIC COMPOSTING OF ORGANIC WASTE AND BIODRYING OF MUNICIPAL SOLID WASTE.

MODULAR AND EASY TO INSTALL, THEY ARE THE MOST VIABLE SOLUTION FOR SMALL AND MEDIUM-SIZED PROCESSING FACILITIES.

ENTSORGA
GREEN TECHNOLOGY REVOLUTION



ENTSORGA'S COCCINELLE™ ARE THE MOST SIMPLE AND EFFECTIVE SOLUTION TO AEROBICALLY STABILIZE BIOMASS, WITH MINIMUM ENVIRONMENTAL IMPACT. THE COCCINELLE™ USES AN **AUTOMATICALLY CONTROLLED VENTILATION SYSTEM** TO GUARANTEE THE MAXIMUM EFFICIENCY OF THE PROCESS AND A HIGH EFFICIENCY **BIOFILTER** TO ABATE ODORS

MAIN FEATURES

EntSORGA's Coccinelle™ ensure a **safe and controlled aerobic maturation process**, keeping the biomass in a **closed and slightly depressurized environment**.

This solution ideal for **medium-small systems**, with a capacity from 2,500 to 12,000 t / y.

Each module consists of:

1. **8 containers** each of about 24 m³ net capacity
2. **an automatically controlled alternated ventilation system** that detects and regulates the process parameters, to manage it in the most efficient way
3. a high efficiency **biofilter**, which purifies the process air, eliminating odors.

ADVANTAGES

- **maximum flexibility:** modular and adaptable, the system easily adapts to the most diverse processing needs
- **efficient odor control and minimum impact:** no odors or other contaminants are released in the external environment
- **safety and efficiency:** the biooxidation and the reverse flow ventilation are monitored by an automatic control system that allows optimizing the process
- **easy installation:** the system minimizes the need for civil work and infrastructure

1. THE BASIC MODULE OF 8 CONTAINERS



2. THE VENTILATION SYSTEM



3. BIOFILTER



APPLICATIONS

EntSORGA's Coccinelle™ system is suitable for **all types of aerobic biological treatment:**

- **COMPOSTING** to process the organic fraction of waste and sludge
- **BIOSTABILIZATION** of waste before landfill disposal
- **BIODRYING** of waste and biomass to produce Solid Recovered Fuel (SRF)



COMPOSTING
SOLUTIONS



ANAEROBIC
DIGESTION



BIODRYING AND
PRODUCTION OF SRF



BIOSTABILIZATION

ENTSORGAFIN S.P.A | ENTSORGA ITALIA S.P.A.

Strada Provinciale per Castelnuovo Scrivia, 7/9 | 15057 Tortona (AL) | Italy | T +39 0131 811383

info@entsorga.it