



BAT Q-RING™

MOBILE PROCESSING PLANT WITH BREATHABLE FABRIC

BAT Q-RING SYSTEM
Powered by EntSORGA

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ENTSORGA'S BAT Q-RING™ IS A **SIMPLE AND MODULAR** DESIGN FOR EFFICIENTLY COMPOSTING ORGANICS OR STABILIZING UNSORTED MUNICIPAL WASTE BEFORE DISPOSAL.

VERSATILE AND EFFICIENT, IT IS AMONG **THE MOST COST EFFECTIVE** SOLUTIONS ON THE MARKET TO ALLOW AN EFFICIENT ACCELERATED PROCESSING OF **UP TO 4 WINDROWS/BATCHES**.

ENTSORGA
GREEN TECHNOLOGY REVOLUTION



BAT Q-RING™ IS A «TURNKEY» PATENTED MODULAR SOLUTION TO AEROBICALLY PROCESS ORGANIC WASTE TO COMPOST OR BIOSTABILIZE MUNICIPAL SOLID WASTE. EASILY TRANSPORTABLE, THE FORCED AERATION SYSTEM ACCELERATES THE OXIDATION WITHIN THE HEAP TRIGGERING HEAT GENERATION. A SPECIAL BREATHABLE FABRIC Q-RING™, GUARANTEES AN EFFECTIVE ODOR CONTROL.

MAIN FEATURES

The Bat Q-Ring™ stabilization system consists of a **single mobile structure**, suitable for managing **up to 4 batches/heaps of waste** (8x16x2m).

The complete solution consists of:

- **ventilation system** with fans (1), for accelerating aerobic reaction in heaps
- **insufflation system** (2) consisting of extension tubes that are inserted directly under the waste or are placed within the concrete slab
- **control system**, located in the mobile control cabin, which controls the air flow
- **Q-Ring™ sheet** (3), a patented Entsorga breathable fabric that contains process odors

STRENGTHS

- **maximum mobility:** the system can be easily transported where it is needed
- **modularity:** it is a flexible solution, which adapts to different system and treatment needs
- **extensively proven:** already tested in many applications, guarantees durability, reliability and ease of use
- **low investment cost:** this "turnkey" system, does not require civil or structural modifications to an existing site and eliminates material handling costs. A smaller solution, the **Bat Q-Ring™ Light** (4), further reduces investment costs
- **effective odor control**, thanks to the use of **Q-Ring™ fabric**.

1. FORCED VENTILATION SYSTEM



2. AERATION SYSTEM



3. Q-RING® BREATHABLE FABRIC



4. BAT Q-RING® LIGHT



APPLICATIONS

Entsorga's **Bat Q-Ring™** system is suitable for all types of aerobic biological treatment:

- **COMPOSTING** the organic fraction of waste, digestate and sludges
- **BIOSTABILIZATION** of waste before landfilling
- **BIODRYING** of waste and biomass and subsequent production of Solid Recovered Fuel (SRF)



COMPOSTING SOLUTIONS



ANAEROBIC DIGESTION



BIODRYING AND PRODUCTION OF SRF



BIOSTABILIZATION

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