

PROFIKOMP[®] BREATHABLE DRUM COMPOSTER



Composting, the natural process of converting organic matter like plant residues and kitchen leftovers into a valuable fertilizer, plays a crucial role in our developed world, where a significant amount of biodegradable waste is generated every day. While this process offers numerous benefits, it can present challenges such as unpleasant odours, physical labor, and the presence of rodents and pests.

Innovative solutions like the ProfiKomp Breathable Drum Composter address these issues. Its advanced solutions, including the ProfiCover semipermeable membrane, accelerates decomposition, reduces emissions, and maintains optimal composting conditions, ensuring a quick, efficient, and hygienic composting process while keeping unwanted pests away.

RECYCLE NUTRIENTS AND HARNESS THE POWER OF NATURE LIKE A PRO!

BREATHABLE DRUM COMPOSTER

Continuous but alternating operation due to the split, two-chamber design:

- Waste collection, pre-treatment, and composting simultaneously
- Easy compost screening

Captivating aesthetics delivering an appealing visual experience, complementing its functionality.

Optimized Composting Monitoring via the ProfiKomp Wireless Temperature Sensor (WTS) for real-time temperature measurement via a wireless probe and smartphone app.



The ProfiCover semipermeable membrane enhances composting by addressing odours and emission concerns. It ensures a quick, efficient, and hygienic composting process while keeping rodents and pests away.

Managing compostable waste on-site not only reduces the environmental burden of activities like loading and transportation but also minimizes energy and labor costs in waste management.

WHAT CAN BE COMPOSTED IN THE BREATHABLE DRUM COMPOSTER?

- ✓ Kitchen scraps including vegetables and vegetable leftovers (peels, cores etc.);
- ✓ Coffee grounds, tea grass;
- ✓ Egg shells, soft bones;
- ✓ Plants, grass clippings, leaves, twigs;
- ✓ Herbivores manure;
- ✓ Used potting soil;
- ✓ Straw, hay, sawdust;



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KEY TECHNICAL SPECIFICATIONS

- **Durable Design:** The equipment is made of corrosion-resistant materials, and the parts that come into contact with the compostable material are made of stainless steel.
- **Decentralized Solution:** Easily portable and simple to install. The manually operated and electric motor-equipped version with solar panels can be operated independently of the grid.
- **Space-Efficient Design:** With a total gross volume of 1000 liters across the two chambers, providing a practical net capacity of 750 liters, this system enables the composting of about 5000 kg of waste annually.
- **Versatile Applications:** Ideal for communities, schools, restaurants, hotels, office buildings, parks, gardens, urban agriculture projects, and more.
- **Small-Scale Industrial Standards:** Adheres to industrial composting standards in a small scale.
- **Odour-Free Functionality:** The cover membrane contributes to a reduction of up to 90% in odours and other emissions.
- **High-Quality Compost:** Hygienized, excellent-quality compost end product in a short period of time.
- **Expandable Options:** Can be supplemented with battery-powered solar energy supply or shredder, and multiple drums can be linked together.
- **A Holistic Solution - Two in One:** The ProfiKomp Breathable Drum Composter is a complete solution comprising both composting and screening functions.



MANUFACTURER AND DISTRIBUTER

ProfiKomp Environmental Technologies Inc. has more than 25 years of experience in the design, construction, and commissioning of composting technologies.



For more info

