

Kosher Certification



For LFC Biodigesters

About the LFC Biodigesters

The LFC biodigesters use a series of aerobic processes in which microorganisms break down food waste into water. They can digest from 10 kg to 6000 kg (20 lb to 13,200 lb) of waste per day.

The machines operate continuously and food waste can be added at any time. Inside the drum are arms that turn slowly to mix the waste with microorganisms, oxygen, and water. These arms usually rotate a quarter of the time, allowing the microorganisms to digest the waste the other three quarters of the time.

Usually, when a user opens the door to add waste, the arms will stop rotating for safety. The operating program resumes when the door is closed.

Companies may wish to install LFC biodigesters where it is important that the Sabbath and other holidays are observed. In such facilities, it is important that the user does not cause a machine to do work nor to alter it doing work either directly or indirectly on the Sabbath. Therefore, the act of opening the door to add waste and causing the operating program to pause is not permitted.

About the LFC Kosher Certification

The LFC-25 to LFC-500 range of biodigesters are certified by Star-K to be Kosher certified. From the setup menu you can enable the Sabbath mode with a single button on the Sabbath and other holidays. The system prevents accidental disabling the Sabbath mode.

For the LFC-25 to LFC-200 biodigesters, Power Knot installs additional hardware at the time of the manufacturing of the machine to support the Sabbath mode. For the LFC-300 and LFC-500 biodigesters, the hardware of the biodigester is unmodified.

Features

When an LFC-25 to LFC-200 biodigester is placed in Sabbath mode, the door is unlocked at preset intervals. A countdown timer on the color touch screen shows when the door will be unlocked. You can open the door and add your waste when the



door is unlocked. A countdown timer indicates when the door will again be locked.

When an LFC-300 or LFC-500 biodigester is placed in Sabbath mode, the machine will open the door automatically. A countdown timer on the color touch screen shows when this will happen. The door is open for a minute which allows you time to deposit your waste.

For any LFC model, the safety of the user is ensured by a patent pending method that fully complies with Jewish law. After a power failure, the machine returns to Sabbath mode when power is restored.

Benefits

- Provides businesses with assurance that installation of LFC biodigester will not violate Jewish laws
- Greatly reduces costs to dispose of food waste
- Significantly reduces carbon footprint of business
- LFC Cloud shows the machine's status, statistics on the waste ingested, and diagnostic information
- Eliminates flies and rodents that may be attracted to garbage bins containing waste food
- Improves operations and saves time and injuries of employees carrying trash outdoors
- Weigh and dispose of waste food in one machine



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