



power knot

LFC

Bio-Digester

**The environmentally-friendly
alternative to waste food disposal**



You save:

- ✓ the waste bin
- ✓ the waste food cooling
- ✓ the disposal by truck

www.powerknot.eu

Operating principle

The automatic kitchen machine...

- ✓ converts organic material into water
- ✓ reduces CO₂
- ✓ prevents unpleasant odours
- ✓ is hygienic and ecological

„The LFC is the environmentally-friendly and odorless alternative to waste food disposal.“
Organic material is split by hydrolysis within 24 hours into liquid substances.
The liquid substances are easily discharged into the sewage system. Depending on country law, the discharge through a grease trap could be mandatory.



*Hydrolysis: The breakdown of organic compounds (organic material) assisted by water, microorganisms and enzymes (Powerzyme) into liquid substances.

Benefits

- ✓ up to 97% less organic material
- ✓ no cooling necessary
- ✓ avoidance of odor & vermin
- ✓ space, time & cost savings in waste disposal

Connection to the LFC cloud



LFC Cloud Connection



Documentation



Service & Support

Applications



Hotels, restaurants & catering



Supermarkets & food distribution centres



System catering



Police, justice & military



Corporate & school cafeterias



Industry



Hospitals & aged care homes



Airports

Application Specification

Operation site „Where organic material is generated“:

- indoor (10-35°C)
- in the grey area (e.g. scullery/dishwashing area)
- or in the basement

Structural conditions:

- hot & cold water supply
- ethernet connection LAN or WIFI (incl. Wi-Fi Client)
- waste water connection
- power connection (230V or 380V)
- discharge into the grease trap (depending on country law)



Technical Specification



	LFC-20	LFC-50	LFC-70	LFC-100	LFC-200	LFC-300	LFC-500
Capacity per day	20-35 kg	50-90 kg	70-125 kg	100-180 kg	200-360 kg	300-540 kg	500-900 kg
Size in cm width x depth x height	56 x 54 x 77	90 x 69 x 103	95 x 72 x 108	115 x 76 x 112	150 x 83 x 129	156 x 109 x 150	194 x 121 x 165
Own weight	80 kg	168 kg	220 kg	247 kg	350 kg	520 kg	820 kg
supply voltage	240 V (50 Hz), 15 A				380 V (50 Hz), 15A		
Power consumption per day	1,2 kWh	3,9 kWh	3,9 kWh	6,2 kWh	6,2 kWh	11 kWh	15 kWh
Water consumption per day	53 liter	150 liter	159 liter	250 liter	530 liter	800 liter	1200 liter
Max. CO ₂ saving per year	31 tons	77 tons	107 tons	153 tons	307 tons	460 tons	767 tons

- ✓ european on-site service
- ✓ 3 years guarantee
- ✓ 15 to 25 years expected life span

Authorized LFC-Partner:

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