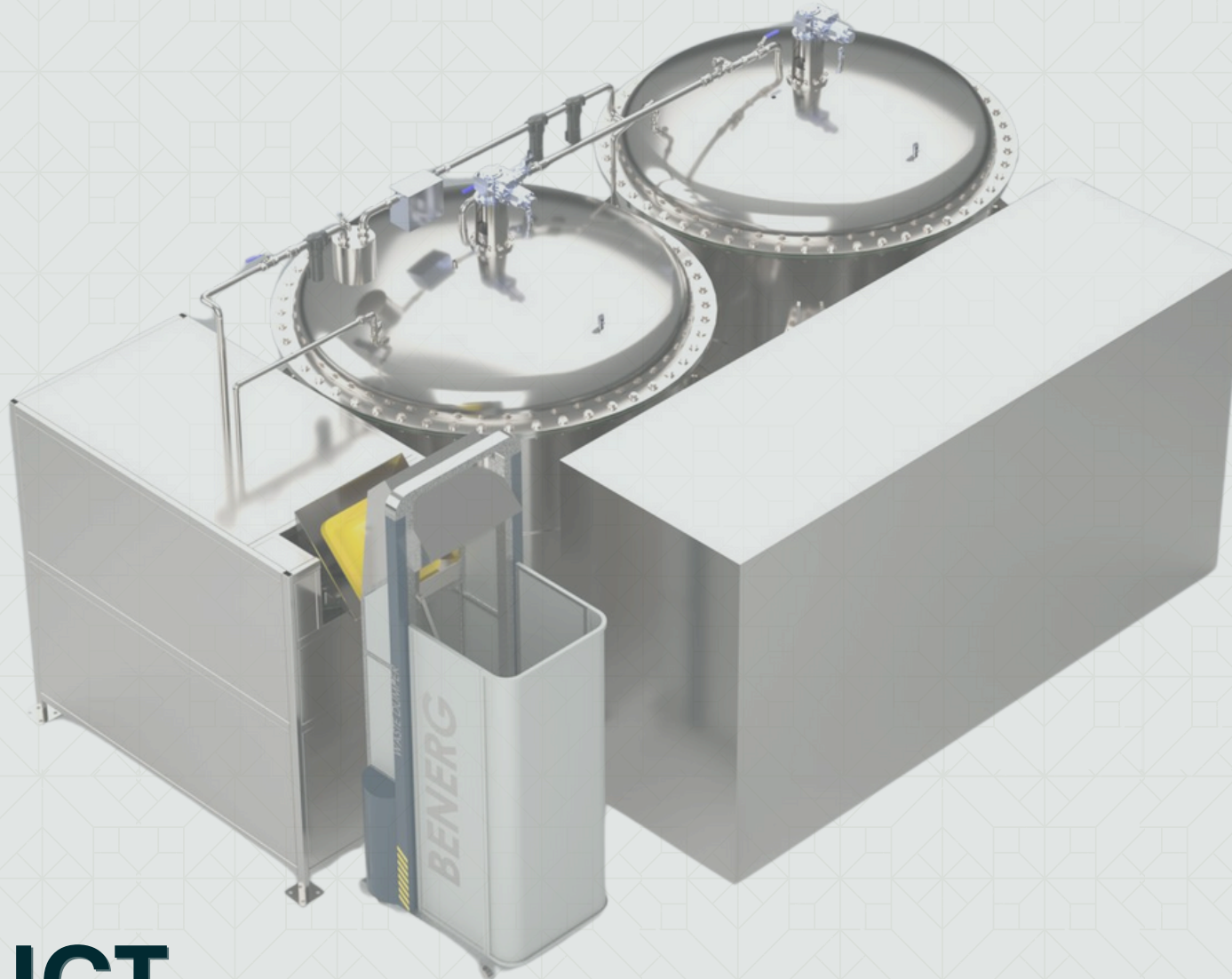




Benerg



PRODUCT CATALOGUE

2025



Benerg Transforming Food Waste into Energy Independence

WHY BENERG?

B2F models transform daily food waste into renewable energy and organic fertilizer, empowering businesses in;

- ✓ Reducing energy cost and waste disposal cost
- ✓ Meeting sustainability goals,
- ✓ Combating climate change.



KEY FEATURES



60- 120kg Daily Capacity: plant-based, animal-based, or mixed)



Produces an average **460,000 to 915,000 kWh/year** (enough to power 130 - 250 households annually)



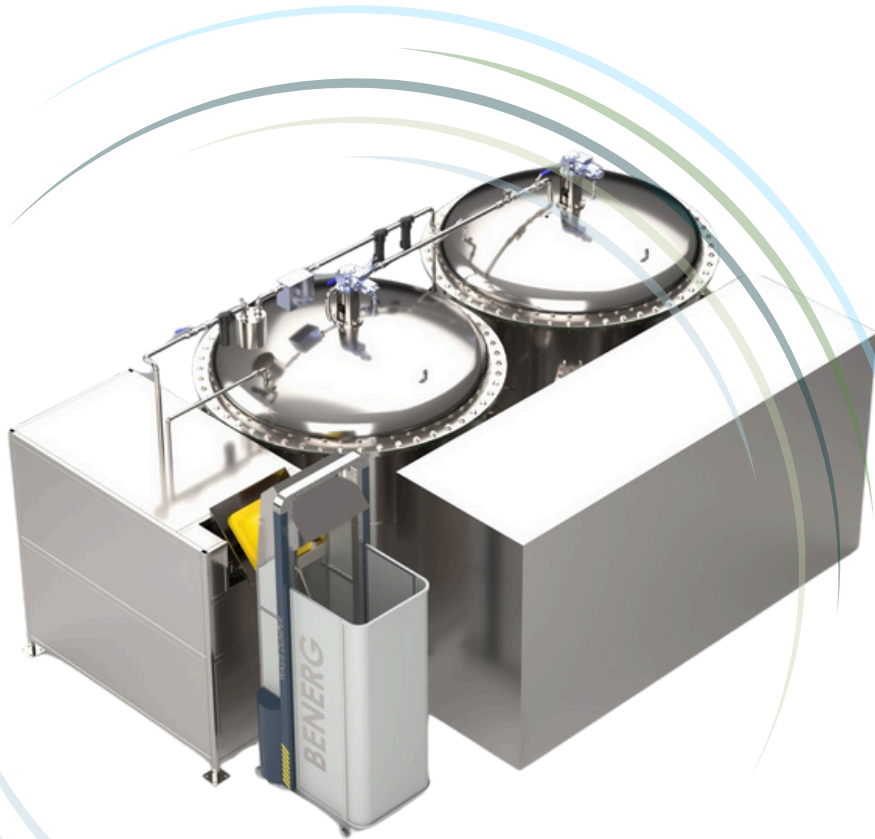
Avoids **45-96+ tonnes of CO₂e/year** (equivalent to planting 4,400 trees)



Produces **40k+ tonnes/year** of nutrient enriched fertilizer.



Smart Monitoring **IoT-enabled** for real-time performance tracking.



kWh / hour*

Length (mm)

Width (mm)

Height (mm)

Food Waste Capacity / Day (kg)			
60	80	100	120
45-60	65-80	75-100	90-120
5900	6200	6300	6750
3350	3800	3900	4200
2900	3150	3300	3350

*Depends on food waste composition in terms of plant-based and animal-based ingredient, minimum and maximum values reflect typical food waste that is taken from kitchen



Benerg

Revolutionizing Waste-to-Energy

Electricity Production vs Fertilizer Production for Machines



	Electricity Production (year)	Fertilizer / day (liter)*
60kg	459,900 kWh	120
80kg	635,100 kWh	160
100kg	766,500 kWh	200
120kg	919,800 kWh	240

*Fertilizer output will be collected by Benerg or its partner from the premises unless building management decide to use it.



TECHNICAL SPECIFICATIONS

PARAMATERS	DETAILS
Input	120 kg/day
Energy Output	Average 915,000 kWh/year
Voltage	3-phase
Fertilizer Output	30 tonnes/year
CO ₂ Reduction	96+ tonnes/year
Dimensions	6.7 m × 4.3 m × 3.3 m
Certifications	CE, ISO 14001
Generator	Single or 3 Phase, 120kW (Standby 50Hz)

WHY CHOOSE US?

Proven Technology:

98% uptime guarantee
8-10 weeks production time
1-2 weeks delivery + installation

Full Support:

Commissioning, training, and maintenance included.
Regular reporting backed by an IoT-enabled system.

Carbon Credit Assistance: Monetize CO₂ reductions through certified programs.

Scalable:

Add units as your waste volume grows.

PAYMENT PLAN

- ✓ 50% Downpayment
- ✓ 50% before delivery

For early-bird prices in your region, send us email or message!



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