

Crematech ECR-P50 Double Chamber Electric Pet Cremator

Electric and energy efficient:

The Crematech ECR P50 Pet cremator is fully designed to cremate pets in an energy-efficient and environmentally friendly way. The electric heating makes it possible to cremate completely without using fossil fuels. The efficient design results in very low energy consumption.

User-friendly, robust and reliable:

The ECR P50 operates fully automatically and controlled by means of oxygen control, temperature and pressure controls. The intuitive and user-friendly user interface makes it easy to operate the oven. The controlled process and innovative use of materials result in high reliability and low maintenance costs.



Efficient and productive:

The ECR-P50 has two automatic, hydraulic, doors. It is possible to cremate two pets individually simultaneously, or a combination of an individual cremation with a collective cremation. This enables maximum flexibility and productivity. Larger pets, 60-100 kg will occupy the whole furnace capacity and should not be combined with other cremations at the same time. By using this two door / two chamber system energy savings are maximized and the productivity of cremating (smaller) pets increases.

ECR-P50

This cremator is suitable for a capacity of up to 100 kg (220 lbs.) per cycle. On average, a capacity of 50 kg (110 lbs.) per hour can be achieved. The cremator is delivered pre-assembled with all control and operating equipment. A straight chimney up to 6 meters (18') high is supplied standard.

Optionally, the cremator can be equipped with a heat recovery system and/or a dust filter.

Details of the ECR-P50 Electric Pet Cremation Furnace:

We provide this oven with 2 doors, to enable 2 simultaneous cremation processes. The heat released during cremation in chamber 1 is used to finalize the cremation of the cadaver in chamber 2. The cremator is designed to be extremely energy efficient, the heat generated in the second chamber and afterburner is used to heat cremation chamber 1 and vice versa.



Dimensions:

- Cremation chamber: L x W x H (mm)
2 x 1050 (2100) x 700 x 700
- Outside dimensions: L x W x H (mm)
2750 x 2300 x 3900
- Weight: approx. 9500 kg (21000 lbs.)
- Required floor load capacity 2250Kg/m²

Required floor space for the oven to allow for proper operation, maintenance and installation setup: L x W x H (mm): 6000 x 4000 x 4000

Process:

Temperature in the cremation chamber before loading:	> 550 °C
Temperature in the afterburner:	> 750 / 850 C (> 1382 F)
Afterburner residence time	> 1.5 s
Capacity:	< 50 Kg/hour (110 lbs./hour)

Energy consumption Electric:

The cremator will go into a stand-by mode when not in use and will hold at a temperature of approx. 500 C / (932 F). If the oven is used 5 days a week for 8 hours (48 weeks a year), the estimated annual energy consumption is typical 25,000 -30,000 kWh for collective cremations. And typical up to 60.000 kWh when there are mainly individual pet cremations.

Electrical connection:

- 55 kW
- 400 (415) Volt / 80 (83) Amps (other Voltages like 480 or 208/240 are available on request)
- 3P + N +Ground