DFW Europe
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DFW Electric Cremator

When quality and reliability are required

Revolutionary

The *DFW Electric Cremator*, the 'green alternative' is the latest addition to the DFW range. The cremator is fully heated electrically, a gas connection is not needed. The power for the *DFW Electric* is provided by the electricity network, but can also (partly) be generated by, for example, solar panels, which are placed on or around the crematorium. For that reason, the *DFW Electric* can be considered an environmentally friendly, energy-efficient "green" cremator. The CO2 and NOx emissions are significantly lower when compared to the emissions of gas or oil fuelled cremators. The *DFW Electric* is a 'hot insert' cremator and is designed as a 'single-end' cremator. To reduce the assembly time on site, the cremator is delivered fully assembled.

Automatic Insert Machine

The *DFW Electric* is a cremator with a so-called 'hot insert'. To guarantee the operator's safety, an Automatic Insert Machine (AIM) should be implemented. The *DFW Electric* has been designed in such a way that the AIM can be integrated into the floor in front of the cremator. This makes it possible to completely keep the AIM out of sight when it is not used *(see leaflet on Automatic Insert Machine)*.

Operation-friendly

The DFW Electric is equipped with the unique DFW OMR control system. This makes the cremator, the AIM and the downstream filter installation very easy to operate. The AIM can be activated by just a few clicks on the touch screen, following which the coffin is automatically inserted. The cremation process can then be started. These actions are stored in the system and visualised on the touch screen. The cremation process parameters can simply be changed, if needed, via the same touch screen. It is also possible to assist you through the internet if changes need to be made to the cremation process *(see leaflet on Control System)*.

Ash pan lift

The Ash pan containing the remaining ashes is moved to an ergonomically responsible position with a lift system. Taking out the ash pan is now so much easier for the operator as a result. This is a definite requirement in these days.

Economic

The energy costs of a *DFW Electric* are lower than those of a gas or oil fuelled cremator when two or more cremations are carried out a day. During the cremation, the energy present in the body and the coffin can be used efficiently, resulting in lower energy costs. The reliable continuous measurement of O2, temperatures and low pressures, ensures a constant cremation process. Keeping the cremator at constant temperature will extend the life of the fireproof masonry. As a result, maintenance costs are kept at a very low level. Its high quality, low investment and its excellent performances in the field of ergonomics and electricity consumption make the *DFW Electric* the right 'green' choice.

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DFW Electric Technical Specifications

Dimensions:

Total cremator single-end	4,285 x 2.480 x 3,300 mm (lxwxh)
Main chamber	2,400 x 1,050 x 750 mm (lxwxh)
Secondary chamber	2.65 m3
Time of residence in secondary chamber	> 2 sec.
Cremator door	1050 x 780 mm (wxh)
Total weight cremator	19,500 Kg

Energy:

The cremator will be kept on temperature 24 hours per day, seven days a week.
The energy consumption is <15 kW per hour at 3 cremations per day.

Connection value cremator with filtration system 400V, 3x200A

Temperature in secondary chamber	> 750 °C
Temperature in main chamber before loading	> 650 °C

Capacity:

Number of cremations each 8-hour working day	5 - 6
Average cremation time of each cremation	Approx. 80 - 105 min.
Maximum weight of coffin	250 Kg
Maximum dimensions of coffin	2,200 x 1,000 x 600 mm (lxwxh)
Combustion air	Approx. 1,200 Nm3/h

Control:

DFW Europe Control system	OMR control system
Thermocouples	NiCrNi Type K
O2 content of secondary chamber	6% min.
Oxygen measurement	Xendos 2700
Low pressure in main chamber	10-50 Pascal