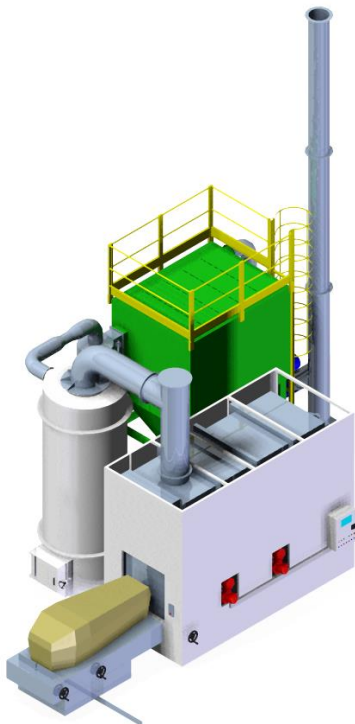




## CREMATION

HUMAN CREMATORY EQUIPMENT

# SAL-M-3



MODEL	# SAL-M-3
CREMATOR	HUMAN
COMBUSTION CHAMBER	STATIC HORIZONTAL PYROLYTIC
OPERATION	DISCONTINUOUS
FEEDING SYSTEM	AUTOMATIC
WORKING HOURS PER DAY	8 – 12 h.
FLUE GAS CLEANING	DRY SCRUBBING WITH BAGS FILTER (Bicarbonate + activated carbon)

The proposed combustion system is designed to meet the emission limits required and enforced by the EU Standard [# 2000/76/EU Guide line](#)

The proposed combustion system for hospital waste is based on a static horizontal “pyrolytic” combustion chamber. The plant has the following features:

- Automatic feeding system with hydraulic piston for discontinuous loading operation
  - Combustion chamber at controlled temperature, complete with burner and control board. Manual unloading of ashes to take place only when plant is cold.
  - Post-combustion chamber designed to grant:
    - Temperature 850/1.050 °C
    - Combustion gas residence time > 2 secondi
    - Swirl chamber to improve combustion’s efficiency
    - Oxygen content > 6%
- Complete with burner, control board and emergency chimney
- Flue gas cleaning system for the abatement of pollutants – acid fumes, dioxins and heavy metals – dry scrubbing type using bicarbonate and activated carbons. The system is supplied complete with reactor, reagent’s dosing and bags filter.
  - PLC control unit complete with dedicated operating system and net connection for online assisted technical support

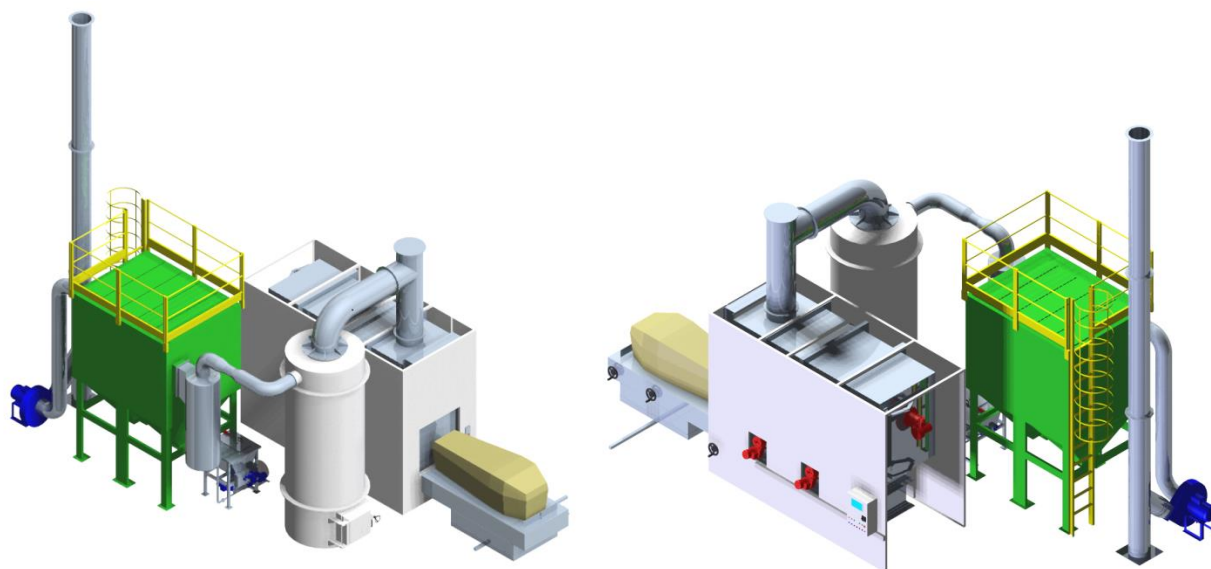
TYPE	QUANTITY	½ HOUR VALUE	DAILY AVERAGE VALUE
DUSTS	mg/Nm <sup>3</sup>	30	10
HCl	mg/Nm <sup>3</sup>	60	10
SO <sub>2</sub> + SO <sub>3</sub> as SO <sub>2</sub>	mg/Nm <sup>3</sup>	200	50
HF	mg/Nm <sup>3</sup>	4	1
NO <sub>x</sub> as NO <sub>2</sub>	mg/Nm <sup>3</sup>	400	250
CO	mg/Nm <sup>3</sup>	100	50
T.O.C.	mg/Nm <sup>3</sup>	20	10
TYPE	QUANTITY	PROBE AVERAGE VALUE	
Hg	mg/Nm <sup>3</sup>	0.5	
Cd + Tl	mg/Nm <sup>3</sup>	0.05	
Pb + Cr + Cu + Sn + Mn + Sb + As + Ni + V	mg/Nm <sup>3</sup>	0.5	
DIOXINS + DI-BENZOFURANS (2,3,7,8 TCDD)	mg/Nm <sup>3</sup>	0,1	
<i>Average value over a sampling period of 8 h.</i>			

The results of the measurements made to verify compliance with the emission limits are standardized at the following conditions:

- TEMPERATURE 273,15 K
- PRESSURE 101.3 kPa
- STATE OF GAS – MEASURED DRY
- CONTENT OF OXYGEN IN THE FLOWING GAS EQUAL TO 11% IN VOLUME

Sound pressure level 1 meter away from the logic perimeter of the source (i.e. the entire combustion system including its bases):

- 85 dB +/- 2 dB MAX



**Note: The technical data are only indicative and need to be checked in the design phase.**