

compact system

disposal technology

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ECOLOGICALLY FAIR: THE ECOGAS AIR HEATING SYSTEM



ECOGAS hot air oven are available for the complete New Line range (excluded type M 15)

The Ecogas hot air oven distinguishes from the New Line series mainly because of the reduced smoke development and highest thermal efficiency. **Technical data and price informations on request.**

The ecogas system is considerably favourable because it allows recycling the first combustion smoke, re-conveying it again, by means of a fan, into the combustion chamber and at the same time adjusting the combustion flame even in case of low quality combustion materials (for example, wet non-dried wood material). The ecogas principle allows discharging a type of soot, which is less rich in oxygen, from the chimney: as a consequence, the heating power and the thermal efficiency increase.

Because of the recirculation and twice combustion this types of hot air oven obtains best values in emission testing and are so fare best suitable for districts with strict environmental directives. The emission gases CO and nitrogen and the fine particulate residues are highly reduced by recirculation and reburning.



AUTOMATIC FEEDING SYSTEM FOR HOT AIR BURNER

The automatic feeding system CAR/SP is cased in galvanized sheet steel with round shaves container for the combustion fuel. This automatic feeding system with a screw conveyor for small size solid fuels (for example: wood shavings, sawdust, pellets, maize, olive residues). The hot air oven with automatic feeding system can be charged unless manually with wood in pieces and briquetts. Do not overcharge the hot air oven manually with combustion fuel. The automatic feeding system is controlled by an electric board, where can be adjusted the quantity of charged combustion fuel. It is strongly recommended to do not overcharge the hot air oven and respect the values for the fuel consumption as in the brochures specified.

Security system for the automatic feeder against fire return

- 1) This anti fire return security system prevents by a temperature sensor and integrated extinguishing water tank a fire expansion from the combustion chamber of the hot air oven directly returning into the screw feeding system and may causing a burn in the shaves container and suction plant.
- 2) The feeding system is equipped with a gap part in the feeder canal, so this guarantees maximum security even on power blackout tho prevent a fire return into the shaves container.



Type		CAR/SP 1	CAR/SP 2
Dimension	A	700 mm	700 mm
	B	900 mm	1400 mm
	C	2000 mm	2100 mm
	D	2800 mm	3200 mm
	E	260 mm	260 mm
	F	500 mm	500 mm
	G	1250 mm	1360 mm
Compatible to following type of oven		CLM 30 CLM 55 CLM 85	CLM 120 CLM 175 CLM 350 CLM 240 CLM 500

