



## DESCRIPTION

Our company, to complete the range of products for the pyrolysis process, introduces two models: **RE PFL** and **RE PF**.

In both cases, the operation of these furnaces in the cleansing of filters and die plate packs is based on the process of "PYROLYSIS" according to which the hydrocarbon molecules, less stable if subject to heat, when subjected to certain thermal cycles, break (cracking) giving rise to simpler gaseous molecules.

In our case the pyrolysis obtained from the polymer which coats the parts, while a complete incineration process is realized, generates combustible gases which are subsequently brought to complete oxidation in the post-combustion chamber generating products perfectly suitable for release into the atmosphere.

For pyrolysis processes that require significant functional dimensions of the chamber, CTM has designed the model RE PFL. Structurally, as for the model RE PF of smaller size, it is constructed with walls of stainless steel sheet.

Heating, depending on the product to be treated and its size, will be established with our technical staff. Usually this can be either direct or indirect through the use of sets of electrical resistances.

The choice will also determine the feasibility study on the positioning of the stacks for flue gas removal. Door opening: with hinge or counterbalanced guillotine with manual or servo-assisted handling system.

Electronic adjustments of temperature through static power relays with the possibility of programming and data logging. Door opening: with hinge or counterbalanced guillotine with manual or servo-assisted handling system.

**We support customers from consulting to the realization proposing standard or customized solutions.**

For more information and images see our website [www.ctmsrl.it](http://www.ctmsrl.it)

## TECHNICAL FEATURE

Model RE PFL	Useful dimensions of the chamber			Rated power	Capacity
	Width	Height	Depth	Kw	Lt
RE PFL/1	500	500	2000	24	500
RE PFL/2	750	750	1500	30	840
RE PFL/3	750	750	2000	35	1125
RE PFL/4	750	750	2500	40	1580
RE PFL/5	750	750	3000	45	1685
RE PFL/6	750	750	3500	55	1970

