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ELECTRICAL FURNACES TYPE FE 1100 °C - 1200 °C

- FOR HEAT TREATMENT OF METALS
- FOR HEATING OF PRODUCTS OF VARIED NATURE
- SPECIAL EXECUTIONS

The furnaces of series FE can be employed in the most varied fields than application of the heat treatment. Execution of the heating room, the isolation system, the specific power, the automatic control system of the temperature is the parameters of adaptation to the particular demand. The technical data reported here concern models of greater diffusion used in the heat treatments field of the metals and are of reference for the choice of a destined model to various employment.

BASE CHARACTERISTICS

- The useful chamber is heated on 4 sides. The lateral and scaffold resistors are radiant, while the furnace resistor is shielded. A metallic sole in refractory stainless steel is available for supporting the materials to treat. The resistors are in alloy Kantal AF and are opportunely divided and connected electrically to obtain a balanced triphase load.
- The furnace door is adequately isolated and it has a device of interruption of the electric supply to its opening.
- The control board is integrated in the structure of the furnace in protected position and includes an automatic temperature regulator and proportional action with digital indication of the regulation parameters. The board is moreover equipped of instruments for the verification of the efficiency of the resistors, of devices of manual commanding and protection.
- The thermal isolation is calculated for a discontinuous thermal regimen to daily cycle and is constituted from a combination of varied density materials to obtain the maximum efficiency and the maximum duration in the previewed load conditions. The isolation layout adopted guarantees a fast putting in temperature and a fast recovery of temperature when the loads is introduced.



The dimensions of the chamber for the models FE-N are reduced around 10%.
Standard electric supply V 380 triphase.

SPECIAL EXECUTION

The construction of the furnaces FE can variate in pre-establishing mode to satisfy the more various necessity of heat treatments. The estimated variants of the model FE are:

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| - Temp. Max. 1200 °C | mark FE/H |
| - All shielded resistors. Temp. max. 1000 °C | mark FE/C |
| - Metal muffle for introduction of controlled atmospheres | mark FE/N |
- Temperature control system different from the standard one (High precision ,heating cycle programming, time connection, etc.).

