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## **FURNACE FOR LABORATORY 1800 °C mod. SKS**

It answers to the requirement to subject champions of material to extreme thermal conditions keeping a facility of use like a common electrical furnace to medium temperature.

It's product in parallelepiped chamber with frontal access door, destined to a wide range of tests.

### **TECHNICAL CHARACTERISTICS**

Heating chamber dimensions:	L.100xH.150xP.200/mm
External dimensions:	L.620xH.600xP.1620/mm
Weight:	Kg. 160
Maximum Temperature:	1800 °C
Installed Power:	5 KVA
Mains Supply:	380 V

### **INSTRUMENTATION OF CONTROL OF THE TEMPERATURE AND THE POWER:**

- Microprocesor regulating programmer to 4 preestablished programs. Precision and repeatability  $\pm 2$  Kelvil
- Thermocouples type B
- Power static control with feedback on reducing transformer
- Measure instruments

### **SYSTEM OF HEATING AND THERMAL ISOLATION:**

- Heating by means of elements of silicon of molybdenum 1900 °C
- Thermal isolation in ceramic fiber panels To the 203 of varied piroscopic scale, vacuum formats , that concurs a fast heating and cooling
- Mechanical construction in double wall in which comes forced the cooling air by means of electric fans
- Door with thermal screen to parallel opening to the high that minimize the exposure of the operator to the radiation

