



LABORATORY FURNACES

CODE: 12015

APPLICATIONS :

It is used in various industries like pharma, Food industry, Pollution control boards, testing Labs, Research institutes, colleges. etc..



MODELS :

- General Lab Muffle Furnace(s)
- General Tubular Furnace(s)
- Rocking Furnace(s)
- Carbon & Hydrogen Furnace
- Multi-Zone Furnace(s)
- Custom Built Furnace(s)
- High Temperature Furnace(s)
- Crystal Growth Furnace (Bridge-man furnace)

CONSTRUCTION :

Our Furnaces offer controlled heating and cooling rates, uniform temperature control, compactness, and sturdy construction for long term use. Both horizontal and vertical models are available for virtually any requirement in single or multi-zone configurations.

Atmosphere and vacuum packages, and specialized control systems are offered in addition to the standard furnaces.

Inner chamber of Standard Muffle Pot(s)/Ceramic Tube/Refractory Bricks. Outer of Powder coated C.R Sheet or Mat finished S.S. Sheet. The control panel is provided at the top or bottom or as a separate unit as per system & customers requirements.

The sensor generally used is of 'K' type CrAl, but may change depending on the temp. Range and requirement.

The heating element is of Kanthal A1/ Silicone Carbide heaters(Silicone Carbide heaters are used along with thyristor drives). Insulation is of high density ceramic blanket for good insulation and still maintaining low system weight. Optionally an outer air jacket is also provided, to further reduce outer surface temperatures.

Arrangements inside the chamber can be provided to hold samples, with facilities like air purging, inert gas purging etc.

STANDARD FEATURES

- A. Digital Temp. Control
- B. Exhaust
- C. Thermocouple opening on the door
- D. 'K' type Thermocouple
- E. Ceramic wool Insulation

STANDARD SIZES

Box type:

- a. 4" x 4" x 6"
- b. 9" x 9" x 12"
- c. 5" x 5" x 10"

Tubular furnace:

As per Customer Requirement

POWER OPTIONS

- a. 230V, 50Hz 1 Ph, Ac
- b. 415V 3Ph Ac.
- c. 110V, 60Hz, 1 Ph Ac

OPTIONAL ACCESSORIES / FEATURES

- a. Power drive / Thyristor Drive
- b. Digital Voltage & Current indicator (VAF METER)
- c. High Set cutoff
- d. Door Limit switch
- e. Profiling temperature Control
- f. Digital Timer
- g. Inert gas flow system
- h. Recorder with PC interface

DESIGNED & MANUFACTURED BY:



Culture Instruments India LLP

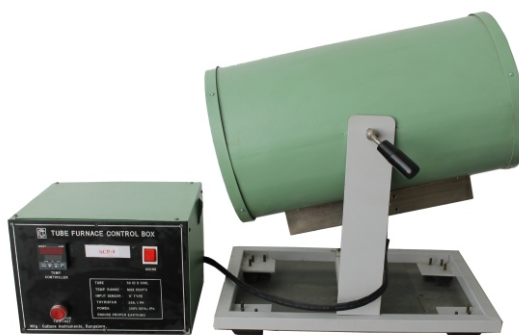
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TILTING FURNACE



ROCKING FURNACE



DUAL ZONE FURNACE

