

Chamber Muffle Furnace

Features

Drawell Chamber muffle furnaces have a temperature range of 1200°C, 1400°C, 1700°C and 1800°C can be OEM.

The capacity goes up to over 2000Liters. It is mainly used in the universities, colleges, laboratories, insitutions of higher education, scientific research institutions, factories, etc. It applies to new material fields such as metal, ceramic, nano, semiconductor, etc.



HRE Resistance Wire



N-Type Thermocouple



PID Temperature Control

Heating Operation Description

>>> When real operating temperature is lower than 1200°C, we generally use high grade HRE spiral wire coils as the heating element.

>>> When real operating temperature is lower than 1400°C, we generally use high grade SIC (Silicon Carbide Heaters) as the heating element.

>>> When real operating temperature is lower than 1700°C, we generally use high grade MoSi₂ (Molybdenum Disilicide Heaters) as the heating element.

>>> Furnaces are designed to operate at high temperatures. If operation is below around 600°C, it will be less accurate. If continuously operates at a low temperature, it may reduce the life span of the heating element, ie MoSi₂.

Temp. Controller Description

>>> Drawell Standard furnaces use SHIMADEN 32-segment digital PID (proportional, integral and derivative) controller with accurate controll.

>>> RS485 digital communication port and USB adaptor are optional, allowing the users to connect the furnaces with a PC for remote control and monitor the chamber, as well as exporting test results to PC.