

High Temperature Thermal Shock Experiments Furnace



The Main Purpose

- It is mainly used to determine the thermal shock resistance of fire products.

Technical Characteristics

- Execution standard: The equipment is manufactured according to the equipment requirements of YB/T376.1 "Test Method for Thermal Shock Resistance of Refractory Products";
- Instrument structure: It is composed of furnace body, furnace door opening mechanism, sample clamping mechanism, cooling water tank and control cabinet. Furnace body, furnace door opening mechanism, sample clamping mechanism, cooling water tank and control cabinet are integrated. The furnace door opening mechanism is a link mechanism, which can be operated away from the furnace door to prevent heat radiation from harming the human body when the furnace door is opened. The sample clamping mechanism is made of stainless steel, and its flipping operation also adopts a safe and convenient remote operation method. The sample chuck can be rotated horizontally to facilitate sample loading and observe the damage of the end surface of the sample;
- Control method: The control part of this test furnace is a microcomputer controller, which applies PID control technology, and the temperature control is accurate and reliable; it adopts LCD touch screen display, and the operation is simple and convenient; the equipment has a high degree of automation, and can complete various tasks such as automatic temperature rise, heat preservation, printing process parameters and soft shutdown. It can realize the automatic control of the whole process and automatically record the number of thermal shocks;
- Safety performance: It has broken coupler, broken rod, overcurrent, overvoltage alarm device, has accident alarm and leakage protection function, and has complete safety facilities.

Additional Configuration

- In addition, through the control software independently developed by our company, the electric furnace can be connected with the computer to realize remote control of one or more electric furnaces, start the electric furnace, stop the electric furnace, set the temperature control program, store the temperature control program, view the historical curve, print the historical curve, etc.

Electric Thermostat Blast Drying Oven



ø Touch screen stainless steel dry oven



ø Electric blast vertical drying oven



ø Electric blower box drying oven

The Main Purpose

- Note To be used for baking drying, heat treatment and heating of articles. It can be used in laboratories of industrial and agricultural production, scientific research, medical and health units, etc., but it is not suitable for volatile substances, flammable and explosive substances, so as not to cause explosions.

Technical Characteristics

- This product is made of thin steel plate. There is a sample shelf in the working room. There is an insulation layer between the working room and the box shell. There is a glass window in the middle of the box door, so that the situation in the working room can be observed;
- There are air inlet holes in the working room and the bottom of the box, cold air flows in from the bottom of the box, and is discharged from the exhaust hole on the top of the box, and two sets of heating elements are distributed in the lower part of the working room;
- The temperature in the box is controlled by a temperature sensor and a temperature controller. The constant temperature system and fuse are installed on the left side of the box, and there is a valve device, which is more convenient for maintenance.

Technical Parameters

Product Name	Item	mm Chamber D*W*H	mm Outside Diameter D*W*H	V Voltage	Kw Power	æ Working Temperature	
Electric thermostat blast drying oven	Digital type	VNF-101A-0	350*350*350	540*700*560	220	1.6	RT+10~300
		VNF-101A-1	350*450*450	540*800*655	220	1.8	RT+10~300
		VNF-101A-2	450*550*550	820*910*660	220	2.2	RT+10~300
		VNF-101A-3	500*600*750	710*930*1010	220	4.0	RT+10~300
		VNF-101A-4	800*800*1000	1010*1220*1350	380	6.0	RT+10~300
	Digital stainless steel chamber	VNF-101AS-0	350*350*350	540*700*560	220	1.6	RT+10~300
		VNF-101AS-1	350*450*450	540*800*655	220	1.9	RT+10~300
		VNF-101AS-2	450*550*550	820*910*660	220	2.2	RT+10~300
		VNF-101AS-3	500*600*750	710*930*1010	220	4.0	RT+10~300
		VNF-101AS-4	800*800*1000	1010*1220*1350	380	6.0	RT+10~300

- Furnace size and temperature can be custom made.