

TC series Ceramic Muffle Furnace

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This series resistance furnace is discontinuous running type furnace. Can be used in laboratory industrial and mining factories, R&D institution, academy for metal material, Ceramic material firing, some single crystal heat treatment, fire proofing's high temperature testing and common small steel unit quenching, annealing, tempering and some other heat treatment.

Features and Advantages

1. Furnace adopts all Ceramic Fibre structure, light weight, specific heat capacity little, low consumption , saving more than 70% power.
2. Rising temperature quickly , can adjust rising temperature speed . It should take about 15-30 minute from room temperature to 1000 C .
3. The case adopts high quality cold-rolled steel plate with the plastic spraying on the surface.
The door adopts side door structure, which easy to open and shut.
For safety operating, product have power off device when open the door.
4. Control system adopts high-precision P.I.D intelligent instrument which have function such as auto-adjust, revise temperature error, timing, over temperature alarm, control temperature stability, high precision. Also have non-contact circuit is used with the character of low noise and high reliability.



Technical Specifications

Model	TC-2.5-10	TC-4-10	TC-8-10	TC-1-12	TC-2.5-12	TC-5-12	TC-10-12	TC-4-13	TC-8-13	SX2-8-16	SX2-12-16
Heating power (Kw)	1.5	3	6	1	1.5	3	6	4	8	8	12
Rated temperature (°C)	1000			1200				1300		1600	
Supply voltage (v)	220V50Hz		380V50Hz	220V50Hz			380V50Hz	220V50Hz	380V50Hz		
Phase	single		three-phase	single			three-phase	single	three-phase	single	
Temperature rise time of empty furnace (min)	≤15			≤20				≤40		≤360	
Volume(L)	2	7	16	1	2	7	16	4	18	5.5	14
Working room size(mm) (Depth x width x height)	200x120x80	300x200x120	400x250x160	100x100x100	200x120x80	300x200x120	400x250x160	250x150x100	500x200x180	300x150x120	400x200x160
Overall dimensions(mm) (Depth x width x height)	490x330x465	515x410x550	690x525x645	350x230x290	490x330x465	515x410x550	690x525x645	715x610x750	890x725x845	880x560x880	1000x770x960