

## Low Temperature Vacuum Furnaces

### T Series

#### **Ideal for bright tempering and annealing**

Compact vacuum heat-treating furnace specially for tempering and annealing.

It combines non-oxidizing benefit of vacuum with convection effect of atmosphere gas.

This furnace improves quality while it saves cost.



**CHUGAI RO CO., LTD.**

## Features

### 1. Compact design, single-chamber type low temperature furnace (below 950°C)

Can be installed at any location because of small space requirement with no pit. The simple construction, with no complex transfer or partition mechanisms also facilitates maintenance.

### 2. Combination control of vacuum pump and inert gas (Utility design pending)

This furnace can be used for bright tempering of tools, dies, stainless steel parts, non-oxidizing annealing of cold

forgings and wire drawing material. . . . Thus, it is very economical.

### 3. Built-in cooling mechanism

Direct cooling of atmosphere gas in furnace by a cooling tube system shortens the cooling time significantly. This leads to further improvement of productivity.

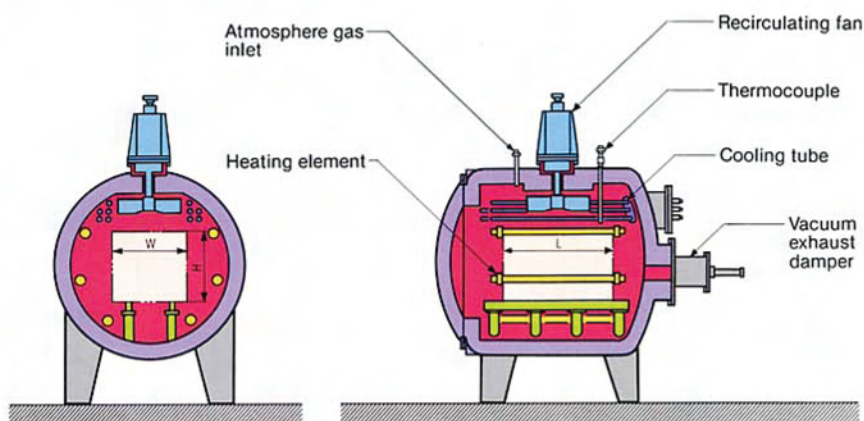
### 4. Easy to read control panel

The adoption of graphic display and digital pyrometer ensures ease of operation.

### 5. Wide applications

Ideal for tempering, annealing, blueing-treatment, post-plating bake-out, etc.

## Construction



## Standard Specifications

Model	Work Space (W × D × H mm)	Max. charge (gross kg)	Furnace Temp. (°C)	Temperature Accuracy (°C)	Vacuum Level (Pa)	Utilities			
						Electric Power (kVA)	Cooling Water (m <sup>3</sup> /h)	Gas (m <sup>3</sup> /h)	High Pressure Air
T-20	460 × 610 × 300	200	150 ~ 750	under ±5	10 (7.5 × 10 <sup>-2</sup> Torr)	32	5	2	as required
T-30	610 × 920 × 460	450				65	7	4	
T-40	610 × 920 × 610	520				65	7	5	
T-50	760 × 1220 × 610	650				130	10	7	

Note) Options 1. Max. furnace temperature 950°C (External recirculation cooling system)  
2. High vacuum exhauster (Diffusion pump)  
3. Program controller (Rising and lowering speed control of temperature)

**SAFETY PRECAUTIONS:** Read the instruction manual carefully before using the equipment.

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● The descriptions and specifications are subject to change without notice.