

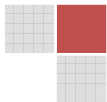
# Ventilation Aging Test Chamber

**Brand: JNG**

**Model: JG-788AG**



**(Photo for reference only)**



## Application

JG-788AG Ventilation Aging test chamber, this machine is suitable for wires, leather, plastics, rubber, and cloth. After being uniformly heated at the specified temperature and time and maintaining fresh air in the box, observe the yellowing resistance, glue opening, and glue opening of the test sample before and after aging. Shrinkage, elongation, residual rate and other properties to determine its aging characteristics. In order to maintain fresh air in the box when wires and cables are heated, the ventilation volume is specially adjusted.

## Implementation Standard

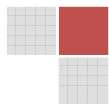
This instrument is designed to meet the test standard requirements of ASTM-D2436, UL1581, CNS3556, CNS742, JIS7212, and JISB7757.

## Condition of Use

1. Power supply: three-phase 380VAC50Hz
2. Ambient temperature: 5~35°C
3. Environmental humidity: ≤85%R.H

## Performance Indicators

Parameter	JG-788AG
Power Supply	AC380V
Power	8KW
Temperature Range	Normal Temperature +25°C~300°C
Control Accuracy	±0.5°C
Analysis Accuracy	0.1°C
Distribution Error	±2.5°C
Heating Time	Room temperature to 300°C about 60 minutes
Machine Structure and Materials	
Inner Box Size	45cm (Depth) x 50cm (Width) x 50 cm (Height)
Approximate Outer Box Size	68.5cm (Depth) x 110cm (Width) x 132cm (Height)



Inner Box Material	SUS#304 Stainless Steel
Outer Box Material	Baking Paint
Insulation Material	High-Density rock wool
Heater	One set of coil heater (AC220V4.7KW)

### 1) Ancillary equipment

- a) Fuse safety switch
- b) Overload protection
- c) Indicators for various actions
- d) A set of rotary disk and rotary motor. (The rotary table is detachable, rotating speed is 8~10rpm)
- e) A set of air ventilation volume measuring device. (Measure the air exchange rate of the aging furnace based on power consumption according to JISK7212, attached with digital wattmeter and digital TIMER)
- f) A set of ventilation volume adjustment devices. The air exchange rate is adjustable from 3 times to 200 times/hour at RT~250°C (measured at 80 degrees).
- g) Wide-angle projection lighting equipment.
- h) Equipped with a set of timers: used for aging timing and ventilation volume measurement timing.
- i) Multi-layer vacuum glass windows.
- j) There are 2 storage racks in the laboratory.
- k) A watt hour watch made in Taiwan by TAIK.

### 2) Air supply circulation system:

- a) Use multi-wing centrifugal circulation fan: one blower: 1&220V370W
- b) The air exchange volume can reach 8~200 times/hr and the setting can be changed arbitrarily at RT~250°C.

### 3) Circuit control system:

- a) The temperature controller adopts microcomputer electronic setting and digital display (made in Taiwan)
- b) This system adopts PROPORTIONAL+INTERGRAL+DIFFERENTIAL+SCR control (i.e. proportional, integral, differential+SCR), which can improve the life and stability of the control element interface.
- c) It has PID automatic calculation function and does not require manual setting.
- d) Use high-precision filament sensors.
- e) The relay is the Japanese OMRON brand.
- f) The timer is the Japanese OMRON brand.
- g) The entire machine is subject to a 48-hour aging test before leaving the factory.
- h) With phase loss protection and over-temperature alarm

