

Pressure Controllable Automatic Curing System PCOA-01T

A pressure- and- heat- process is started by only pushing a start button after setting samples on a chamber stage.

Rapid heating-up and cooling-down characteristics achieve quick turnaround time (QTAT).

● Applicable to various fields

- >> Thermal treatment in the mounting process of various devices
- >> Removal of bubbles in seal or adhesion resins.
- >> Low oxygen cure of resins.
- >> Material synthesis under increased pressure.
- etc.

● High performance for mass production

- >> Pressure-resistant gas heater enables rapid heat-up and cooling-down.
- >> Several programmable temperature controls and adjustable pressure conditions increase the efficiency of work.
- >> The inside dimension of the chamber as large as $\phi 450$ mm is allows for large diameter substrates.
- >> A signal tower indicates the status of operation.

● User-friendly system

- >> Touch panel is adopted for simple operation.

Safety devices

- >> High safety is maintained by a door lock system, an overheat protector, safety valves for overpressure, a leakage breaker, etc.



Specifications

Temperature control system

: Pressure-resistant gas heater

Temperature control range

: From room temperature + 10°C to 250°C

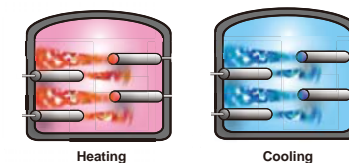
Pressure control : 0.2 MPa to 0.8 MPa (G)

Operation : Touch panel operation

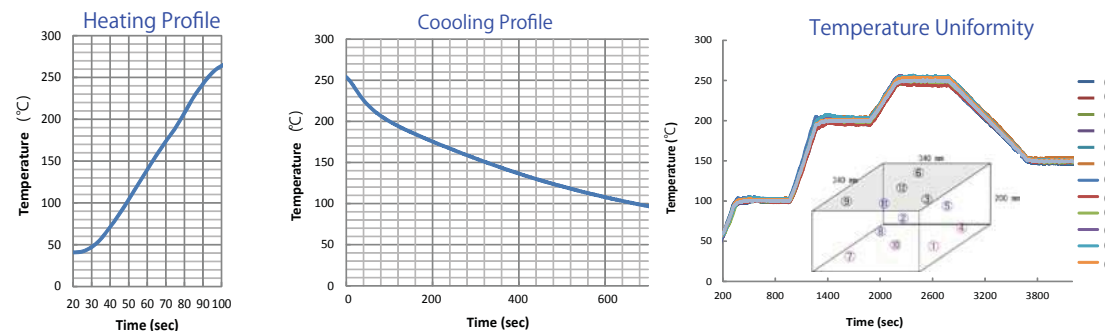
Dimensions : W 900 x D 1450 x H 1800 mm

Pressure-resistant Gas Heater

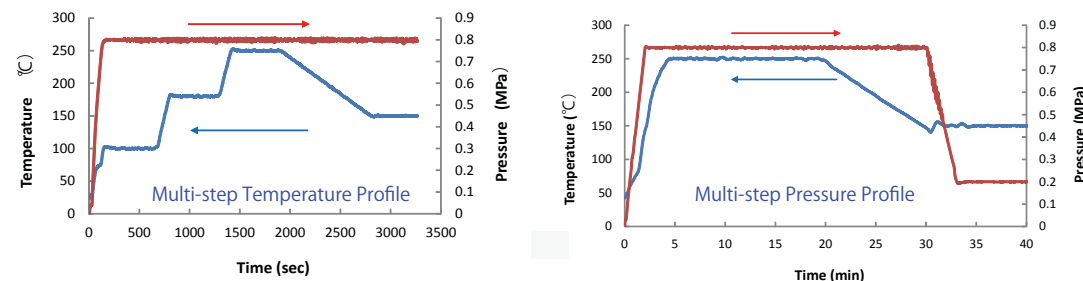
Pressure-resistant gas heater system enables quick injection of hot / cool air (or nitrogen) to the chamber; thus the temperature profile control is attained easily.



Temperature Profile Example

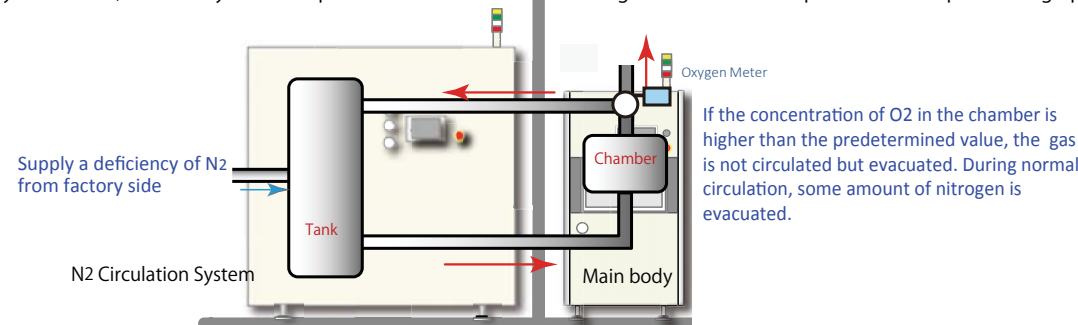


Temperature/Pressure Profile Example



Nitrogen Circulation System (O.P.)

By circulation, the tank system compensates for the lack of the nitrogen flow volume required for the rapid heating up.



NTT Advanced Technology Corporation

Sales and Marketing Headquarters

International Business Division

E-Mail : moreinfo@ntt-at.com

URL : <http://www.ntt-at.com>