

## INDUSTRIAL SCALE FURNACES

### ATMOSPHERE CONTROLLED CHAMBER FURNACE

Atmosphere Controlled Furnaces are used in applications such as manufacturing of metal products, heat-treatment, sintering, melting, aging, thermal testing, powder synthesizing and chemical decomposition, where a protective environment is required within the furnaces to achieve the desired products. Atmosphere controlled furnaces are designed for heat treatment under atmospheric conditions such as argon, nitrogen, vacuum, hydrogen and the like. In this type of furnace, our company uses cylindrical atmosphere cabins which are more stable and stable than other geometries. In addition, water cooling system pressure, cabin temperature, internal atmospheric pressure, intelligent systems are monitored by the user to make the process in safe. The adjustable gas and water flow meter, high pressure relief system, overtemperature alarm and vacuum pump are integrated into the furnace as standard. For the Hydrogen atmosphere please contact us.

- Tmax: 2800 °C
- Reinforced vacuum cabinet
- Programme temperature sensitivity  $\pm 1^\circ\text{C}$
- Sideways lid opening
- Entegreted  $10^{-2}$  mbar vacuum pump
- Able to set programmable temperature, time and soaking time, adjustable, display of cooling water, temperature and process details and data save by USB connection feature via PLC controller, touch screen
- Automatic energy cut while lid opening and do not able to work unless lid is closed
- Excessive temperature blocking
- Adjustable gas flowmeter
- Water cooled and stainless steel atmosphere cabinet
- Optional Features : rack for sample



# INDUSTRIAL SCALE FURNACES

## ATMOSPHERE CONTROLLED CHAMBER FURNACE SERIES

Argon, nitrogen, partial hydrogen and so on are designed for heat treatment in atmospheric conditions. Atmosphere controlled chamber furnaces are available in wide a ranges of volume and temperatures up to 2800°C continuous use. The standard models of vacuum furnaces are listed below. Please contact us for detailed information.

Product Code	Max. Temperature °C	Volume (L)	Internal Dimensions		
			Width (mm)	Height (mm)	Depth (mm)
ATM_1100_4	1100	4	150	165	165
ATM_1100_5	1100	5	170	170	175
ATM_1100_8	1100	8	200	200	200
ATM_1100_12	1100	12	200	200	300
ATM_1100_*	1100	*	*	*	*

\*Produced on demand by the customer.

Product Code	Max. Temperature °C	Volume (L)	Internal Dimensions		
			Width (mm)	Height (mm)	Depth (mm)
ATM_1600_4	1600	4	140	175	165
ATM_1600_5	1600	5	170	175	170
ATM_1600_8	1600	8	180	190	245
ATM_1600_12	1600	12	200	200	300
ATM_1600_*	1600	*	*	*	*

\*Produced on demand by the customer.

Product Code	Max. Temperature °C	Volume (L)	Internal Dimensions		
			Width (mm)	Height (mm)	Depth (mm)
ATM_1700_4	1700	4	150	165	165
ATM_1700_5	1700	5	170	170	175
ATM_1700_8	1700	8	180	190	245
ATM_1700_12	1700	12	200	200	300
ATM_1700_*	1700	*	*	*	*

\*Produced on demand by the customer.

Product Code	Max. Temperature °C	Volume (L)	Internal Dimensions		
			Width (mm)	Height (mm)	Depth (mm)
ATM_2200_5	2200	5	170	170	175
ATM_2200_8	2200	8	180	190	245
ATM_2200_12	2200	12	200	200	300
ATM_2200_*	2200	*	*	*	*

\*Produced on demand by the customer.

