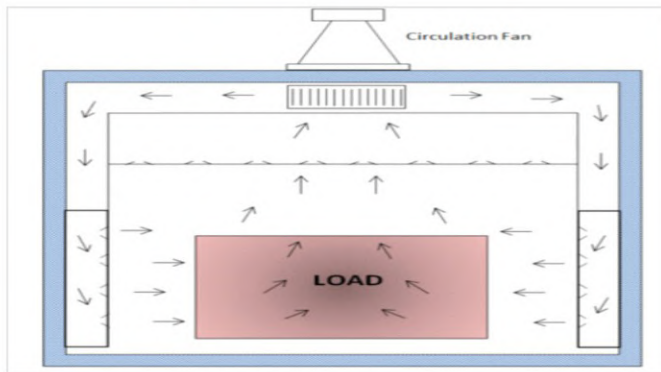


Hot Air Circulation Furnace >>



Hot Air Circulation System

The Overview Of Hot Air Circulation Furnace

Air circulation furnace is equipped with thermal circulation fan and stainless steel deflector in the working chamber. This kind of design provide a perfect temperature uniformity for heated product. Therefore it is an ideal choice for hardening, tempering, annealing etc heat treatment. And most welcomed by metal models and other metal materials.



Main Features

- > SAFTherm air circulation furnace can heat up to be Max 850°C.
- > The structure can be customized to be manual axially door, auto lifting door, car bottom loading, double door design etc. according to users' technical process.
- > Chamber material can be chosen between ceramic fiber modules and light mullite brick.
- > Furnace top install hot circulation fan and an can make the forced circulation.
- > On the left and right side in the chamber, stainless steel deflector installation strengthen the convection and insulation effect.
- > SAFTherm has wide range of working chamber size also can be customized according to the actual needs of users.

Maintenance of air circulation furnaces

- > Furnace operators should understand the simple structure and working characteristics of air circulation furnaces.
- > The heat treatment furnace must cut off the heating power when loading and unloading the workpiece to ensure the safety of the operator.
- > The oxides and other residues in the furnace should be removed frequently and the maintenance work should be performed at least once every two weeks.
- > It is strictly forbidden to heat the workpiece with corrosive, volatile and explosive atmosphere in the furnace, so as not to cause unnecessary accidents.
- > Transmission parts should be checked frequently and lubricated.
- > Regularly record the condition of the parts including thermocouples, heating element, chamber lining and motor fan, contact with manufacturer for professional suggestions when necessary.

Model	STDR-96-10	STDR-288-10	STDR-640-10	STDR-1200-10	STDR-2160-10
Chamber Volume	96L	288L	640L	1200L	2160L
Chamber Size WxLxH (mm)	400x600x400	600x800x600	800x1000x800	1000x1200x1000	1200x1500x1200
Max Temperature	850°C				
Continue Temp.	750°C				
Heating Element	High quality Alloy Resistance Wire (HRE)				
Chamber Material	High quality light-weight mullite brick				
Temp Controller	SHIMADEN (Japan) brand PID controller can program 4 groups 32 segments or any brand				
Electronic Parts	SCHNEIDER (France) electronics brand				
Heating Rate	< 25°C/min (suggest 15°C/min for longer life using of furnace)				
Safety Protection	Overheat and thermocouple-break alarm				
Furnace Shell	high quality cold-rolled steel sheets CNC processing				
Insulation	High quality thermal insulation material to ensure a good uniformity				