

## Industrial Furnace

### Standard features:

- Operating temperature up to 1200 °C.
- Customizable volume based on customer requirement.
- An adjustable Controlled airflow is preheated before entering the Furnace atmosphere.
- Gases or Volatile produces can damage the Heating Element so Silicon carbide heating elements protected by silicon carbide tiles.
- Guided Extraction System For Hazardous Gases.
- Manual Door Lift.
- Over temperature protection.
- Power control through solid state relay or thyristor unit. that provides low noise operation.
- Easy maintenance and operation.
- NABL certified thermocouple.

### Optional Features:

- Multi segment programmable PID controller with RS-232/ RS-485/ Ethernet & Data Logging software.
- Available in standard or as per customer size requirement.

## CUPELLATION FURNACE - TCF



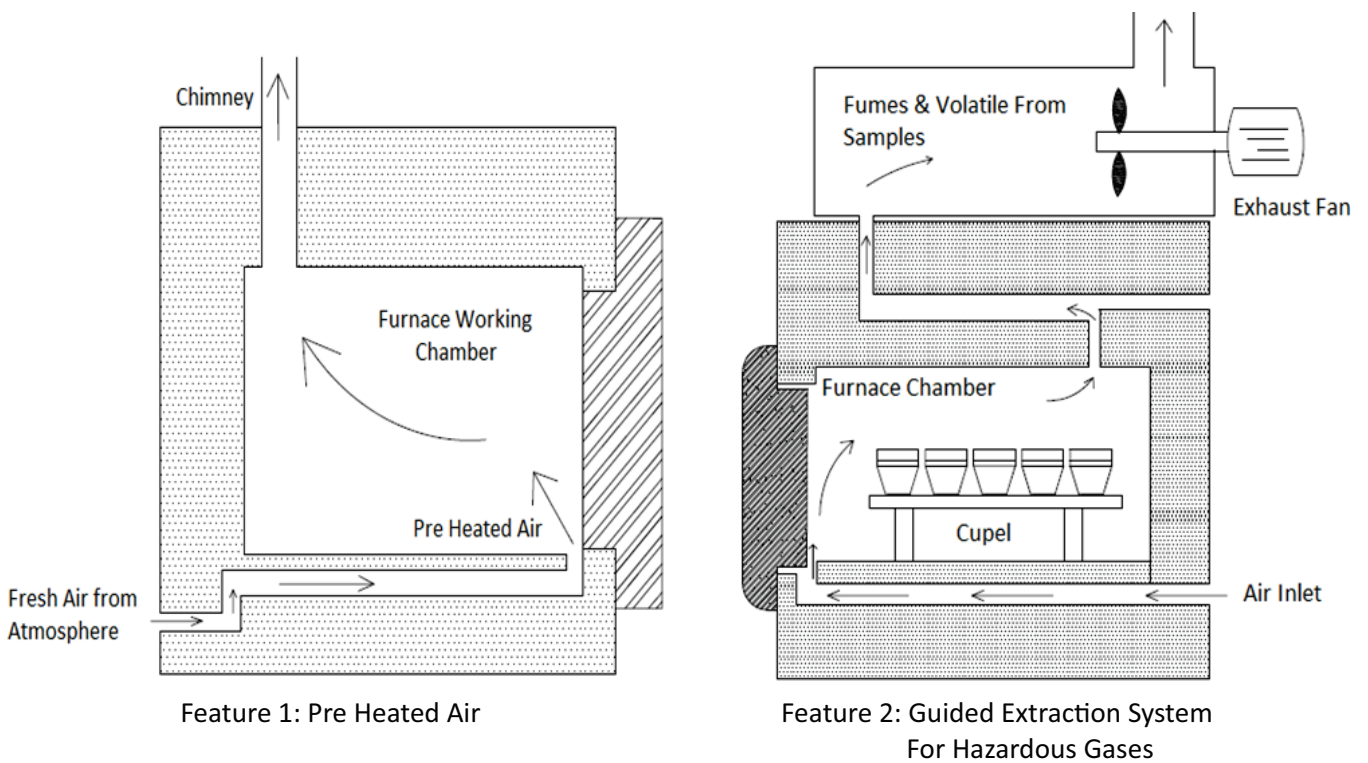
Tempsens make cupellation furnaces are designed such that it can provide best in class Uniformity, Minimum heat loss and precise fume control.

Cupellation is a refining process in metallurgy in which ores or alloyed metals are treated under very high temperatures and have controlled operations to separate noble metals, like gold and silver, from base metals, like lead, copper, zinc, arsenic, antimony, or bismuth, present in the ore. When they are heated at high temperatures, the precious metals remain apart, and the others react, forming slags or other compounds.

During cupellation process furnace allows a fresh air let into the furnace atmosphere and An Exhaust Air System Guides Hazardous vapour directly to Exhaust without exposing operator to these gases.

During the past several years, we have acquired extensive knowledge of industrial Furnaces. This expertise is reflected in our products which are all designed for daily use in an industrial environment.

## CUPELLATION FURNACE



## STANDARD MODEL:

Model No.	Rated Temperature (°C)	Internal Dimension (mm)	Crucible Qty & Size	Heating Element	Power (KW)	Dimension (mm)
TCF-15CF	1200	150x230x270	15X8/8A	Silicon Carbide Element	9	500 x 770 x 1580
TCF-50CF	1200	300x480x250	50x6A/7A/7AS	Silicon Carbide Element	20	950x1200x1700
TCF-100CF	1200	535x610x350	100X6A/7A/7AS	Silicon Carbide Element	30	1250x1400x1700

## ACCESSORIES

- Hand Gloves.
- Heating Element.
- Cupel.
- Tongs.