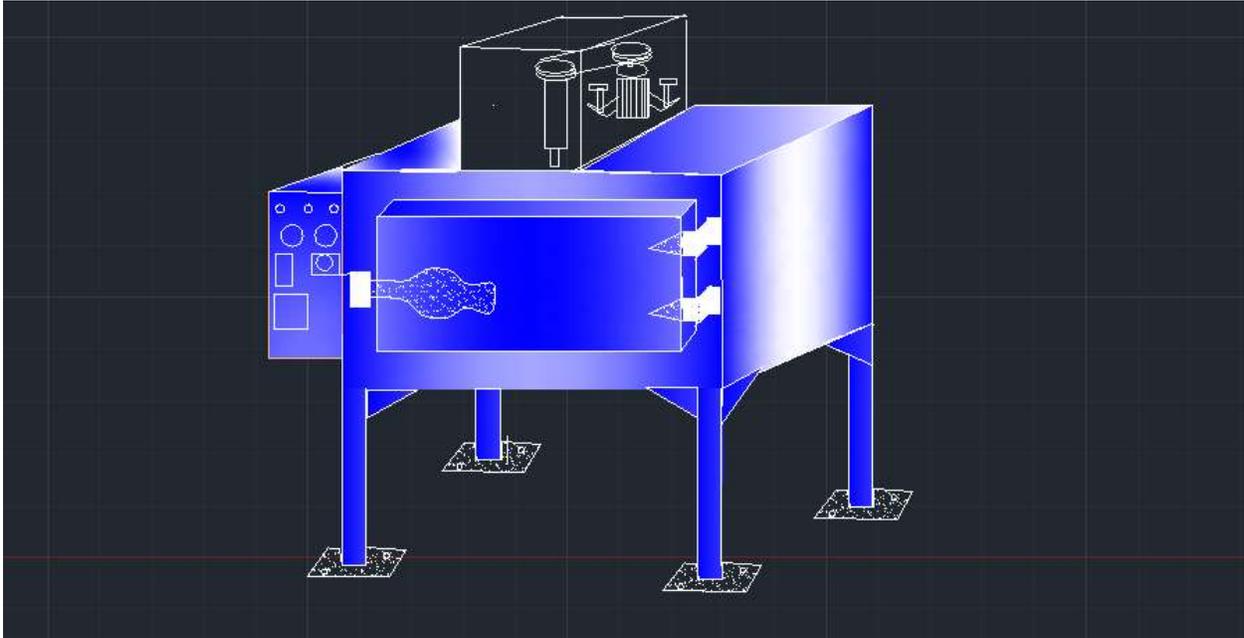
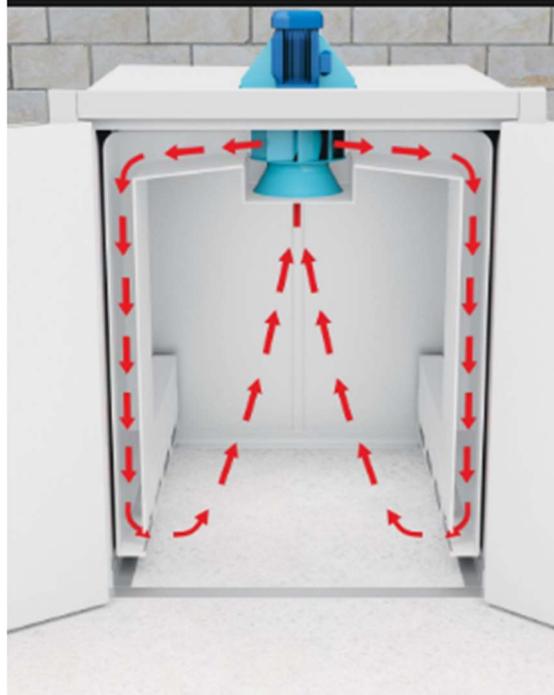


ALCOCK AIR - OVEN FOR PAINT BAKING



MODEL NO: ALCOCK-PNT-BAK-108

These Air Circulation Ovens are very rugged and sturdy, suitable for Industrial operations. Outside body is made of suitable Gauge of MS fitted on angle iron frame . Inside Chamber is made of SS Sheets and of dimension 500 mm X 500mm X 500 mm. Heating Elements are on two side walls and there is an axial fan to circulate the hot air inside the chamber. There is an SS Baffle on sides and top to protect the charged materials from direct radiation from the Heating Elements. Following diagram shows the air motion and the convection current created by the baffle which ensures the charged material is heated by circulation of hot air and not by direct radiation from the Heating Elements. If the customer insists we can provide centrifugal blower in place of Axial Fan , but in industry practice centrifugal blowers are used for exhausting gases or fumes inside the chamber ,while Axial Fans are used for more uniform temperature distribution by movement of air shown below.



This process ensures uniform heating and elimination of shadow in any corner of the chamber as the circulating air heats up every nook and corner uniformly.

The oven is capable of working at a maximum temperature of 300.

The oven is very sturdily constructed so as to withstand any accidental explosion within the chamber . We provide a safety valve in such ovens so that pressure build up cannot take place within the oven chamber . This reduces the chance of explosion to a minimum .

The oven is equipped with a control panel consisting of

Indicating Lights

Mains On/Off MCB

Fuses

PID type Microprocessor based Temperature controller for Precision Control

One safety Controller will be provided as a safeguard against Over temperature , should the main controller fails at any time

Optionally Touch Screen (HMI) Panel can be provided

We have supplied Explosion Proof Oven of size 3,500mm L x 1500mm W x 1500mm H to HEMRL (High Energy Material Research Laboratory, Pune) vide their order No. HEMRL/11AT0159/D16/LP

Also we supplied several Ovens to different units of HAL (including one Aerodynamic Oven to HAL-Hyderabad) . Our clients List is enclosed for your kind perusal .