

Drying oven

► Pretreatment

During the pre-treatment stage the drying of the profiles before painting is of vital importance because the paint does not stick on a wet surface; it is also a very delicate matter as the drying must not crack the chromate conversion film.

The task of drying in the least possible time and without interfering with the chromate layer has led us to study a special oven which gives faster and safer results if compared to the ones normally found on the market.

This is done by setting the temperature to the maximum level required (70°C if chromium is used) with very high air speed to dry the profiles even at low temperature.





Typical Construction

- ▣ Structure made in painted carbon steel
- ▣ Walls insulated with glass wool (thickness 50 mm, density 60 kg/m³) with external galvanised steel sheets and internal polished steel sheets (both with thickness 12/10)
- ▣ Air channeling in galvanised steel sheet thickness 12/10
- ▣ Combustion chambers in stainless steel AISI 430 thickness 30/10
- ▣ All external parts (non galvanised) painted in blue RAL5010

Equipment

- ▣ 1 Fan for air circulation: flow rate 10000 m³/h, head 80 mm, power consumption 4kW
- ▣ 1 PT100 probe (0-100°C)
- ▣ 1 Heat exchanger
- ▣ 1 Gas or LPG burner (150000 kcal/h)



Inner details of the oven



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