

CAB of copper heat exchangers in a CAB Batch Type Furnace (BTF) with working temperature of 650 °C



In collaboration with **CLIMEX WORLD**, during the start-up of their 2nd. CAB Batch Type Furnace installed in their Escobedo facility, sellacan successfully pre-tested the suitability of sellacan's CAB BTF for the brazing of copper heat exchangers under controlled nitrogen atmosphere.

The comments of Mr. Warnholtz from **CLIMEX WORLD** were:

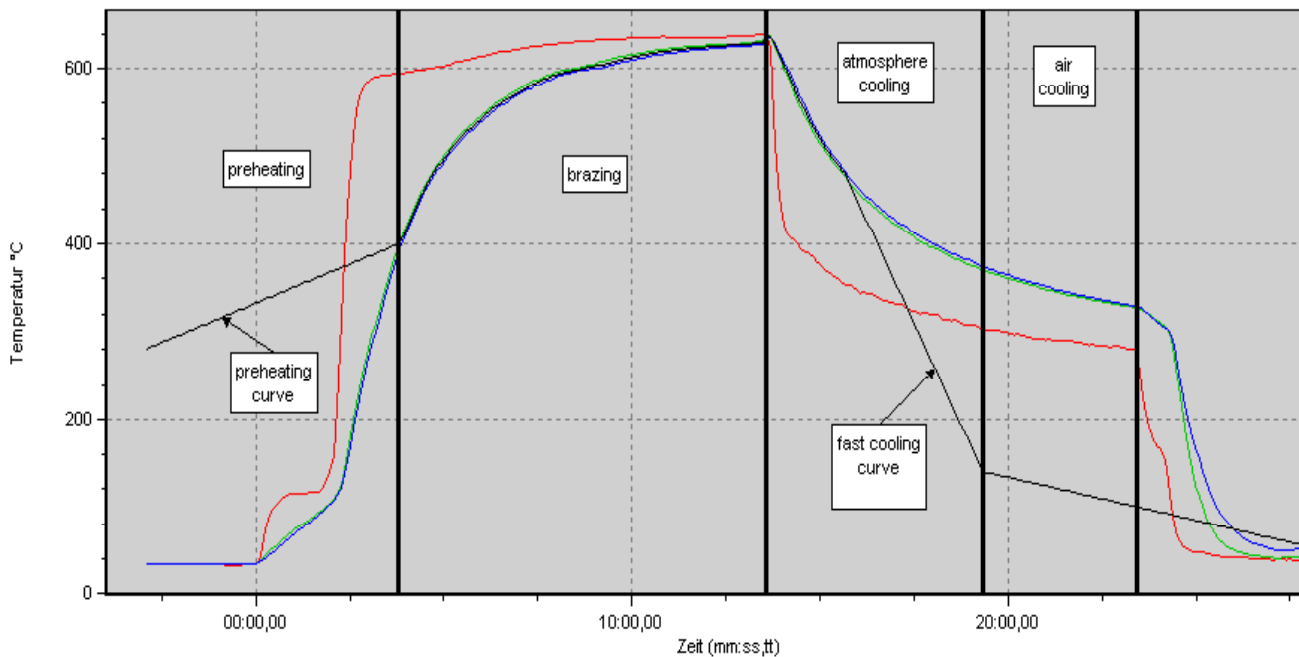
“We disposed only of the standard CAB version of the furnace without a pre-heating oven but we came very near to the necessary conditions for the brazing of copper heat exchangers under controlled nitrogen atmosphere. When having the additional equipment like the fast cool-down system (which is already working in other sellacan CAB Aluminium Brazing Furnaces), the projected pre-heating zone as well as the max. working temperature of 650 °C in the furnace, then the requirements to braze copper under nitrogen atmosphere will have been met.”

Similar to the brazing process of aluminium the CAB batch type furnace of sellacan are the right and flexible solution for starting into this special copper brazing technology.

On the following page the temperature curve recorded at the beginning of June 2009 at the **CLIMEX WORLD** facility in Mexiko shows the achieved atmosphere temperature in red as well as the product temperatures which are shown in green and blue.

The curves shown in black color will be the temperature curve when the furnace will be equipped with the additional pre-heating zone as well as the fast cool-down system.

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Mr. Dietmar Raupach appears thanking Mr. Jorge Warnholz, **CLIMEX WORLD's** Process and Project Manager for making the temperature and brazing tests with copper heat exchangers under controlled nitrogen atmosphere possible. The tests took place after having successfully installed and commissioned **CLIMEX WORLD's** second CAB Batch Type Furnace from **sellacan** and before starting the brazing of aluminium heat exchangers.