The Universal CAB Batch Furnace is designed to braze the widest variety of heat exchangers in horizontal or vertical position depending on the product design requirements. It operates on a part-time basis. The furnace can be brought up to brazing temperature from ambient and conditioned to a proper atmosphere in a very short time. This two chambers batch system allows for variable heating and cooling rates, depending on product requirements.

The design of the Universal CAB Batch furnace is prepared for the future upgrading to the three chamber equipment. This is the most economical way to increase the output of the existing CAB system.

**High brazing quality**
For low volume producers

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**Industrial application**
- For all types aluminum heat exchangers
- Horizontal and vertical brazing availability
- Ideal for low volume HEX producers
- Dedicated for the Plate&Bar heat exchangers
- Prepared for the brazing with fluxless and fluxfree technology

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Main advantages

- Highest flexibility
- Short preparation time (2-3 hours)
- Low Nitrogen consumption
- High brazing quality
  - Clean atmosphere – below 20ppm of Oxygen
  - Temperature uniformity
  - Sharp heating profile
  - Repeatable brazing process
  - Compact design
  - Easy for installation and use

Vacuum purging system

- Two stages vacuum pumping
- Vacuum down purging to the pressure lower than 0.05 mbar corresponds with Oxygen content 10ppm
- One time refill by Nitrogen – atmosphere quality below 20ppm.

Basic technical parameters:

- Brazing time* (in brazing chamber) 10 - 40 minutes
- Cycle time* (including purging, cooling) 30 - 70 minutes
- Standard Size 1100 x 1100 x 1500 mm
- Load mass 350 kg
- Other sizes and load mass versions available

* time depends on the type and mass of the product