



Heating and Brazing Solutions
Loval Engineering®

Laboratory

Tailored solutions



Evaporation
Heating baths
Sterilization

Specialized in Vacuum Brazing



Vacuum brazing process is a unique method to join parts. During the 4 hour process the braze material melts and flows into a joint by capillary force, creating a gas-tight seal. Brazing temperatures are between 900 – 1200 degrees under vacuum of one millionth of atmospheric pressure (<0,001 mbar).

BENEFITS

- Outstanding corrosion resistance
- No need for post-process cleaning treatment
- The most effective process to join complex structures
- Uniform heat treatment without thermal stress

Evaporation



Loyal evaporation equipment components product range consists of various brazed, ready-to-install heaters.

They are usually used for rapid heating of small volumes of liquid and for steam generation. We supply products for various industries with strict requirements.



Heating baths



Loyal heating bath components consist of various brazed, ready-to-install components for distilling, heating and tempering. They are usually used for rapid heating of small volumes of liquid.

Material alternatives as stainless steel and incoloy can be used. Temperature controls, limiters and cable harnesses can be included for easy installation.



Sterilization



Loyal heating units for sterilization equipment are made of stainless steel with outstanding corrosion resistance.

The size and connections are defined according to customer requirements. All seams are furnace brazed in a single operation. Tailored solutions allow possibilities for built-in features.

