



Loval: Experts in
Customized Heating
Solutions **Since 1960**

- **Loval specializes in advanced vacuum brazing technology**, delivering tailored heating solutions with optimal performance and reliability. Operating a 20,000 m² production facility, we serve industries across Europe and export 95% of our products globally.
- **With over 20 years of experience** partnering with Europe's leading heat pump manufacturers, we deliver reliable, high-performance solutions.
- **Our mission is to provide sustainable**, customized heating systems while driving innovation and environmental responsibility toward a greener future.



LOVAL
Intelligent heating and brazing solutions

**Is Your
Heat Pump
Climate-Ready?**

**Optimized
Backup Heaters
and
Brazed Plate Heat
Exchangers**

Contact information

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LOVAL | Intelligent heating
and brazing solutions

Your needs,
our solutions



Challenge

- SCOP
- Low refrigerant charge
- Wide envelope
- Environmental regulations

Solution

- CFD optimized plates
- Asymmetric geometry
- Variable speed suitable
- Natural refrigerants



● Optimized Energy Efficiency

Provides additional heat only when needed, maintaining comfort while optimizing energy use.

● Reliability and Durability

Built with premium materials like stainless steel for long-lasting performance.

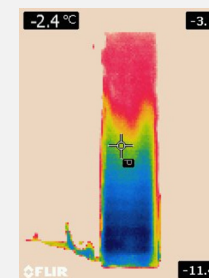
● Tailored Solutions

Fully customizable to match your system's needs.



Product development - Tools

- CFD
- Heat transfer simulation
- Selection software
- Lab -data analytics
- DFM, DFMEA
- Plate design CAD/CAM
- Prototyping

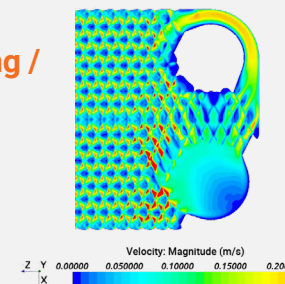


Distribution thermal image



Product testing / verification

- Heat pump applied testing
- 2-Phase heat transfer testing, R290
- Hydronic testing
- Burst test
- Cyclic pressure test
- Freeze test



Computational Fluid Dynamics (CFD)

Product



GS-RANGE

- Condenser GSC
- Evaporator GSE
- Range <30kW

AW-RANGE

- Condenser AWC
- Range <30kW

LS-RANGE

- Condenser LSC
- Evaporator LSE
- Range <20kW

EA-RANGE

- Condenser EAC
- Range <30kW

Effortless Partnership

Streamlined processes

- Business reviews
- Quality Audits
- Order management and invoicing
- Forecasting

Commercial stability

- Raw material price revisions
- Long-term agreements
- Supply chain; redundancy



Dedicated support team

- Direct line of communication
- In-depth product/application expertise
- R&D joint teams
- Proactive problem-solving

Knowledge sharing

- Product platforms
- Heat Pump Applied knowhow
- Technology benchmark
- Market outlook



Business model
LOVAL
- 360

