



SOLUTIONS FOR HEAT PUMPS
SAFETY • ENERGY EFFICIENCY • COMFORT

SOLUTIONS FOR HEAT PUMPS



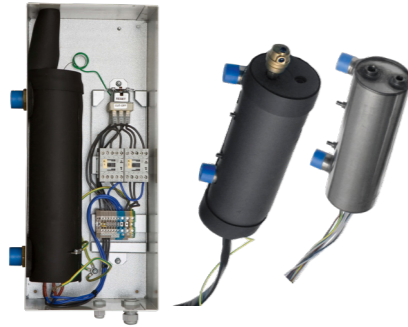
Innovations for the future

A partnership with Backer gives you a dedicated team of designers, project engineers and technical experts in the fields of electric heating, measurement and control, ready to provide you with the optimal solutions for your needs.

Backup Heaters / Booster Heaters

Welded stainless steel tanks with units up to 42kW.

- For both internal & external assembly
- Thermal insulation
- Cables
- Overheat protection/thermostat
- Air vent



Electronics

- Soft starters
- Controls
- Sensors



Cables, cable harnesses and control panels

Custom made cables and harnesses made from various types of cables, dimensions and materials. Equipped with different terminals, housings and grommets.

Plug-and-play customer specific control panels, with base plate housings made by either metal and plastic, with all components like cables, sensors, PCBs, chokes, displays, switches, etc.



Flex Hoses

- Corrugated metal flex hoses
- Expansion joints
- Heating & cooling fittings
- Copper/Stainless steel connection flex hoses
- Boiler hoses



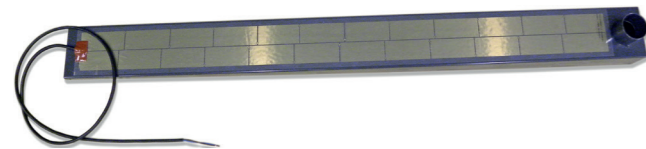
Copper Brazed Stainless Steel Plate Heat Exchangers

- Especially designed as a condenser or an evaporator for heat pumps
- Optimized plate pattern for maximum heat transfer
- Asymmetric design allows for decreased refrigerant amount in heat pumps
- Compact size combined with high strength
- Easy to install with custom made connections



Condensate Tray Heaters

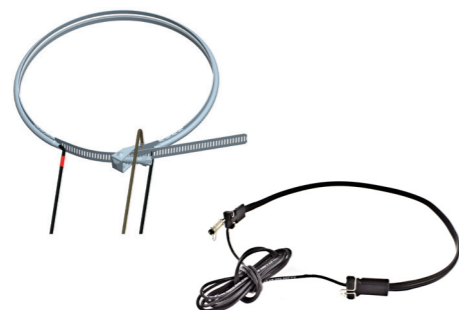
- Foil elements
- Tubular stainless steel elements
- Heating cables
- PTC solutions



Crank Case Heaters / Compressor Heater

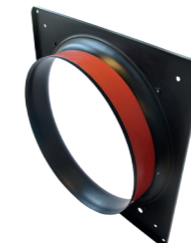
Eliminate start-ups with cold oil and increase the life time of the compressor. Backer has a standard range of heaters for compressors and crankcases, e.g. for heat pumps both in a design with heating cable in an aluminum section, as well as silicon heaters.

- Heating cables
- Self-regulating version
- With or without thermostat



Fan Housing Defroster

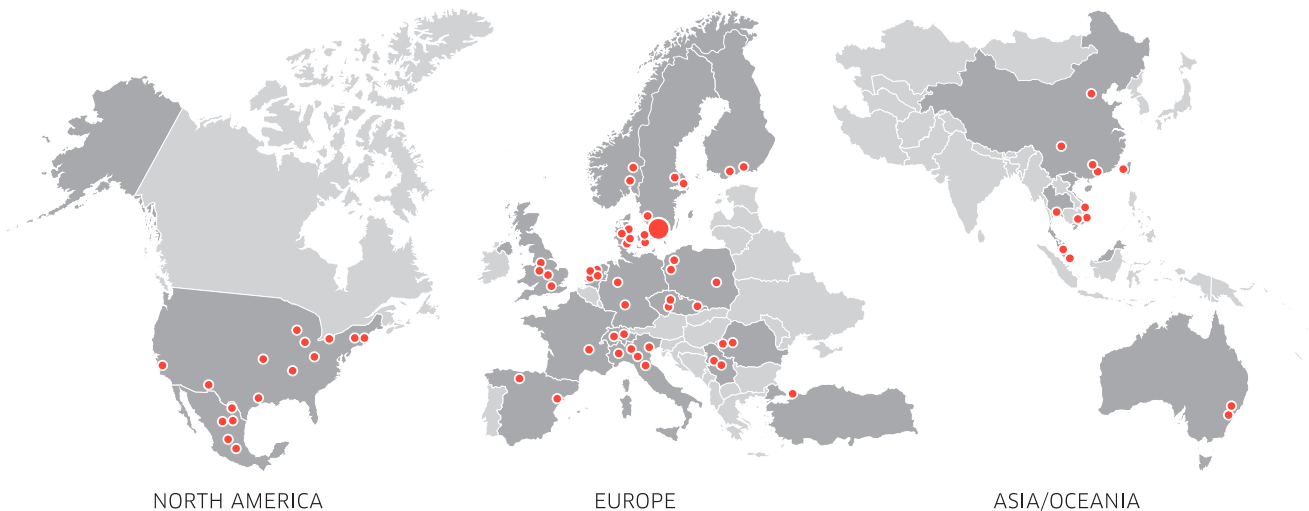
- Foil elements
- Heating cable



SERVICES

- Simulations
- Tests
- Validations
- Documentations

BACKER WORLD WIDE



ABOUT US AT BACKER GROUP

We at Backer Group is comprised of more than 70 units worldwide that together develops, produces and sells customized solutions and components for electrical heating, measurement and control. The original technology was stainless steel tubular heating, however we have developed and acquired technologies that have made Backer the worldwide leader in our industry.

Our product range today is comprised of materials such as aluminum radiators, cast, ceramic, thick film and other flexible elements along with a wide range of control products. Together we at Backer Group deliver heating and control solutions to business in industries such as HVAC, Transportation, Energy & Environment, Home Appliance, Industrial & Projects, Advanced Technology and Commercial Equipment, all with their specific requirements and needs for customized solutions.

OUR INDUSTRY SECTORS



Industrial/
Projects



Energy/
Environment



Advanced
technology



Commercial
equipment



Home
appliance



Transportation



HVAC



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