



## BACKER HEAT PUMP BHP5

INDUSTRIAL CLIMATE CONTROL & ENERGY RECOVERY



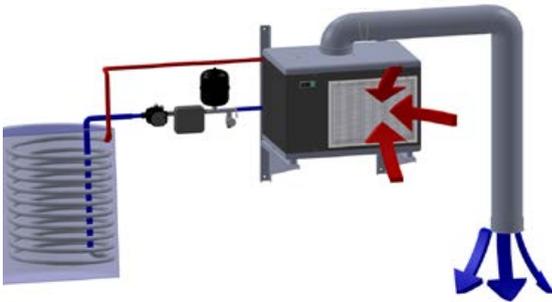
# BACKER HEAT PUMP BHP5

COOLS · HEATS · DEHUMIDIFIES

## SAVES ENERGY AND MONEY

Backer Heat Pump BHP5 captures and reuses waste heat from e.g. different processes in a production or from operations that generate a lot of steam and heat. The captured waste heat can be used e.g. to heat water, at the same time reducing your electricity consumption and your costs. The heat pump has the capacity to heat fluid up till 70°C.

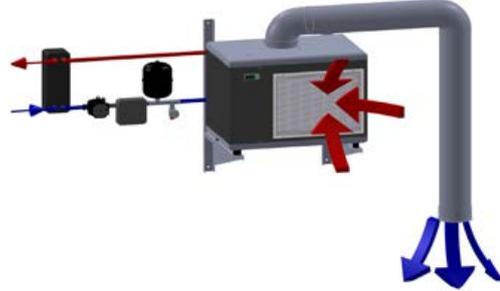
### Tank Heating



## CLIMATE CONTROL

In addition to energy-savings, the Backer Heat Pump BHP5 also provides a significant improvement of the working environment for employees specifically exposed to production operations or processes. Which in turn also could have a positive effect on productivity.

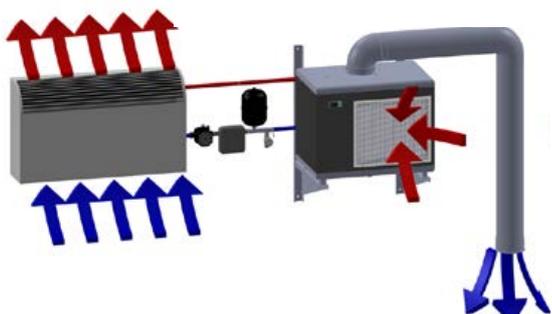
### PHEX WWC



## HIGH QUALITY

The Backer Heat Pump BHP5 is robust and specifically designed for industrial processes. It is produced with high quality components from the leading manufacturers in the industry, ensuring a long service life.

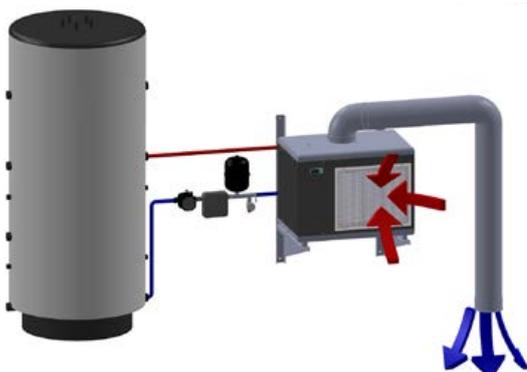
### Aerotemper



## PLUG AND PLAY

Backer Heat Pump BHP5 is easy to install and it is supplied with a connection cable and threaded connections for fluid flow. No major rebuilding is required and the heat pump can also provide a reduced need for ventilation.

### Domestic Water Heating



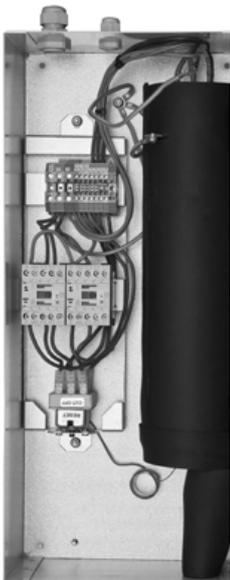
## APPLICATIONS & FACTS



BHP5 installed in a technical room



BHP5 installed in a dishwashing room



### BACKER FLOW HEATER

In order to give higher fluid temperature, Backer Heat Pump BHP5 can Advantageously be supplemented with Backer Flow Heater Unit, BFU.

### EXAMPLES OF APPLICATIONS

- Commercial kitchens
- Industrial baths
- Machine/ compressor room
- Production processes
- Cooling zones

### BACKER HEAT PUMP BHP5

- 5 kW
- Heat Pump air/fluid
- Fluid temperature up til 70°C

### PERFORMANCE\*

- Heat effect 5300 W
- Cooling capacity 4200 W
- COP 3,7 (heat)
- Dehumidification > 4l/h

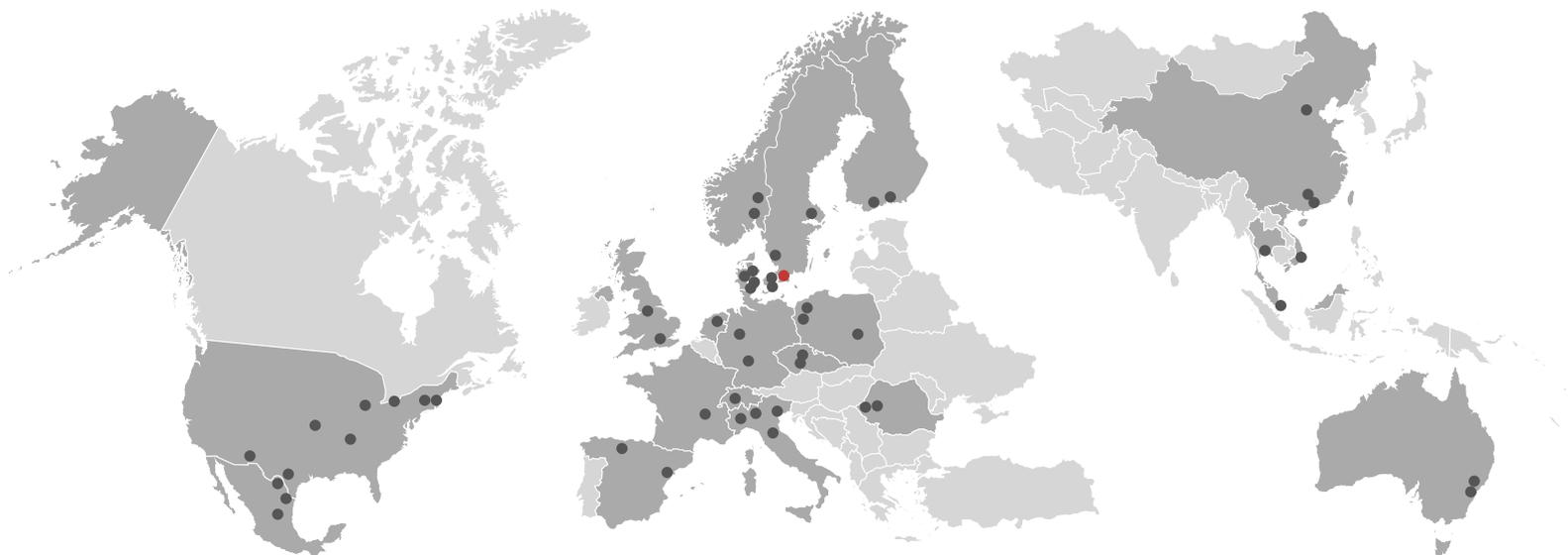
\* At 30°C ambient temperature, 40% RH and 50°C water temperature.



**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.

# BACKER WORLD WIDE



NORTH AMERICA

EUROPE

ASIA/OCEANIA

## BACKER GROUP

Backer develops, produces and sells customized solutions and components for electric heating, measurement and control. The original technology was stainless steel tubular elements, however the Group has developed and acquired technologies that have made Backer the worldwide leader. Our product range today is comprised of materials such as; aluminium radiators, cast, ceramic, thick film and other flexible elements along with a wide range of control products. Backer is com-

prised of more than 30 production units that together contribute to the company's vast technical expertise.

Backer delivers heating and control solutions to businesses 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.



Industrial/  
Projects



Energy/  
Environment



Advanced  
technology



Commercial  
equipment



Home  
appliance



Transportation



HVAC



BACKER

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