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Vogt-CTE GmbH - Rescue Technology Distribution

Datasheet - EuroHeater 2D / 4D / 8D



Further information

EN: <https://portable-diesel-heater.com/>

DE: <https://portable-standheizung.com/>

FR: <https://chauffage-diesel-portable.com/>

Key facts

- Designed for **extreme cold conditions**, reliable down to approximately -50°C .
- **Multi-fuel operation:** Works with diesel, construction diesel, kerosene, and military fuels.
- **Flexible power supply:** Via 12 V battery, vehicle power or 110-240 V mains power.
- **Very long operating time:** up to 72 hours in economy mode without refilling.
- **Mobile and robust:** shockproof, weatherproof housing for transport and outdoor use.

Euroheater - a portable air heater and fresh air supply

Quality and durability With Euroheater air heaters, you get quality that has been developed for arctic and cool climates. As your reliable partner, Euroheater delivers safe heat for consumers in a variety of situations. Our products are portable and can be easily transported or used in a fixed location. If it is too warm in your living room, you can simply use the device to blow in cooler air from outside to create a more comfortable indoor climate. The opposite is true when it is cold outside: Euroheater can convert cold and humid air into dry and comfortable warmth without causing condensation problems. Simple and safe for you as a consumer.

Compared to other expensive energy sources, this device heats economically, and you can take it with you wherever you go, whether for professional purposes or as a private consumer.

Euroheater is the mobile heater for everyone.

EuroHeater is a mobile, professional, and portable air heater for arctic temperatures down to minus 50

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degrees and altitudes of up to 3,000 meters. The air heater is compact, quiet, and has been developed with European quality components for long and safe use. The device heats cold and harsh air with fuel and a 12 V power bank, which is powered by a car, boat, caravan, or a normal 230 V power outlet, for example. The device comes with a control panel for adjusting the heating power or ventilation. The control panel is water- and dust-proof and equipped with a 4 m long flexible cable. The machine system is housed in a Nanuk case that is waterproof and shockproof and made of cold-resistant material. The machine is lockable and meets military specifications.

Product advantages

- **Robust and durable**
Impact- and weather-resistant housing, cold-resistant materials, reliable operation even in extreme cold.
- **Flexible use**
Multiple fuel options and power sources allow for self-sufficient operation in almost any location.
- **Long runtime with low consumption**
Very low fuel and power consumption, ideal for emergencies and extended use.
- **High performance in extreme environments**
Operation possible at temperatures as low as -50°C and at altitudes above 5,000 m.
- **Easy to transport and safe**
Compact format, portable housing, safe tank with valve, CE certified and NATO approved.

EuroHeater with Flexibatt - Independent heat, anywhere

With the combination of **EuroHeater** and **FlexiBatt**, you can enjoy full heating power - without any mains power. The system was specially developed for mobile and off-grid use and provides reliable energy in any environment - whether in the field, during rescue operations, in disaster control, or on expeditions.

The **FlexiBatt** supplies the **EuroHeater 4D** with power for up to **three days** - quietly, cleanly, and maintenance-free. Thanks to its robust, weatherproof design (IP66), it works reliably even in extreme temperatures from **-20°C to $+45^{\circ}\text{C}$** .

Your advantages at a glance:

- **Full mobility:** No generator or power connection required
- **Powerful:** Up to 2.5 kWh capacity for longer use
- **Robust:** Shock, dust, and water resistant - designed for arctic conditions
- **Easy connection:** Plug-and-play connection - ready for immediate use
- **Quiet and efficient:** Power supply without noise, exhaust gases, or maintenance

Whether off-road, in a vehicle, or at a temporary base -

EuroHeater + FlexiBatt means **independent heat supply** wherever you need it.

Data sheet: EUROHEATER 4D

Feature	Specification
Product	EuroHeater 4D
Colors	Orange (SAR) - Anthracite (civil defense) - Olive (military)
Type	Portable air heater / emergency and mobile heater
Heating capacity	Approx. 1 kW to 4 kW / adjustable
Fuel types	Diesel, construction diesel, kerosene, military fuel F-34, JP-8
Fuel consumption	Approx. 0.1 l/h at 1 kW, approx. 0.5 l/h at 4 kW
Tank capacity	Approx. 7.5 liters
Operating time	approx. 14 hours at full power; up to approx. 72 hours at minimum power
Air flow	Approx. 70-168 m ³ /h (depending on power level)
Power	12 V (12-17 V), 110-240 V AC; 24 V optional BTO
Power consumption	Start/stop approx. 100 W; at high power approx. 57 W; at low power approx. 10 W
Operating	up to approx. -45 °C / +20 °C
Operating altitude	up to approx. 5,400 m above sea level
Housing	Robust, water- and dust-proof protective housing made of cold-resistant material
Weight	Approx. 16.5 kg (depending on equipment)
Dimensions	Approx. 650 x 325 x 430 mm
Accessories	<ul style="list-style-type: none"> • EuroHeater air hose 60 mm or 70 mm • FlexiBatt 2.3KWh (12.24 or 230V) • Protective cover • Protective transport bag • Heavy Load Backpack Carrier • Air Hose Transport Bag • CO Alarm • Accessory Transport Bag • Vehicle Mount
Certification	CE approval, NATO stock number available - 4440-25-163-6858

Variant: EUROHEATER 2D - Compact, mobile, and robust

The **EuroHeater 2D** is a 2 kW heating system for smaller applications, command posts, or vehicles. Housed in a robust, water-resistant **Nanuk case**, it offers reliable performance with minimal weight. Compact, quiet, and reliable - ideal for mobile heating in the harshest conditions.

- **Power:** 2 kW (6,800 BTU/h)
- **Fuels:** Diesel / Kerosene / JP8 / F34 / HVO
- **Consumption:** 0.10-0.24 l/h
- **Weight:** 13 kg
- **Operating temperature:** +20 °C to -45 °C
- **Altitude:** up to 5,400 m

Variant: EUROHEATER 4D - Military precision, suitable for civilian use

The **EuroHeater 4D** is a 4 kW heating system for demanding applications in the military, civil defense, and rescue services. It delivers constant heat even at **-45 °C** and at **an altitude of 5,400 m** - tested and proven under Arctic conditions. Available in **military green**, **SAR orange**, or **civilian gray**. Reliable, low-maintenance, safe - the benchmark for tactical heating systems.

- **Output:** 1-4 kW (3,400-13,600 BTU/h)
- **Fuels:** Diesel / Kerosene / JP8 / F34 / HVO
- **Consumption:** 0.12-0.49 l/h
- **Tank capacity:** 7.5 l
- **Power supply:** 12 V / 230 V
- **Noise level:** 60 dB (1 m)
- **Weight:** 16.5 kg
- **NSN:** 4440-25-163-6858

Variant: EUROHEATER 8D - Maximum performance for extreme applications

The new **EuroHeater 8D** sets new standards in performance and efficiency. With **8 kW of heating power**, it offers twice the power with proven reliability and quiet operation. Developed for arctic, alpine, and extreme conditions - from field camps to tactical vehicles. Manufactured in Norway - for applications where heat saves lives.

- **Power:** 8 kW (27,200 BTU/h)
- **Fuels:** Diesel / Kerosene / F34 / JP8 / HVO
- **Tank:** 20 l external tank for long running time
- **Operating temperature:** +20 °C to -45 °C
- **Altitude:** up to 5,400 m
- **Resistance:** UV, oil, and cold resistant down to -40 °C
- **Connections:** Neutrik industrial plugs

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Safety first - always use your EuroHeater with a CO alarm!

For your safety: **Never** use your **EuroHeater in enclosed spaces** and **only** use it **with the original exhaust extension**. Always supplement your heating system with a **EuroHeater CO alarm** to reliably protect yourself and others from dangerous carbon monoxide concentrations.

CO ALARM - Precision meets robustness

The EuroHeater CO alarm is based on state-of-the-art electrochemical sensor technology with intelligent, processor-controlled temperature compensation. High-quality components guarantee a long service life - without the need for recalibration or maintenance.

Thanks to **ultra-low energy consumption**, the device operates for up to **five years on just one standard AA battery**. The robust, impact-resistant housing can withstand even harsh operating conditions. The alarm is triggered automatically at CO concentrations above **95 ppm** - reliably and immediately.

Developed and manufactured in Norway.

Weight: 55 g | Dimensions (L×W×H): 60 × 60 × 27 mm

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ACCESSORIES FOR FIELD USE

- **Carrying case:** Protection during transport and storage
- **Hose bag:** Clean storage of hot air hoses
- **Heavy-duty backpack:** Ergonomic, for flexible transport
- **Vehicle mount:** For secure mounting and quick use
- **Protective cover:** Dust and moisture resistant for longer storage periods



Euroheater - LOKI backpack

Designed for heavy, unwieldy equipment such as suitcases or canisters. No fixed compartments, fully MOLLE-compatible inside and out. Can be used with or without a protective vest. Robust. Flexible. Ready for action.



Protective cover

Protects your EuroHeater during transport and prolonged storage. Makes cleaning easier after use and protects the device from dirt, dust, and damage.



Euroheater MOLLE stand

Robust, flexible transport holder for the Euroheater 4D. Designed for safe, mobile heating in harsh environments - MOLLE-compatible for easy mounting and quick deployment.



Bag with loop

Protects your EuroHeater during transport and storage. Makes cleaning easier. The robust design protects against dirt and damage, extending its service life.

Innovation in Progress - The Future of Euroheater (from 2026)

- **Upcoming: ULTV System - Heat on wheels** - A vehicle-integrated heating system for **ultra-light tactical vehicles** such as Polaris DAGOR or GM ISV. With dashboard control, vibration-tested construction, and plug-and-play connection for shelter or off-board operation.
- **Upcoming: Medevac Heated Mats - Life-saving warmth** - Heating mats for NATO stretchers that protect injured persons from hypothermia during evacuation operations. Automatic temperature control (36-38 °C), powered by **BB-2590 batteries**.
- **Upcoming: UAV Helipad - Safe landing in snow and ice** - Heated landing platform for drone missions, modular, non-slip, and designed for temperatures down to **-30 °C**. Ideal for border protection, research, and military surveillance.

Notes on using the recirculation function

- 1. Targeted intake of warm air**
 - If possible, route the intake hose to an area where warm air is already present (e.g., from a tent, container, or returned from the warm air outlet).
 - This allows the EuroHeater to draw in preheated air, which **significantly increases the heating output** and saves fuel.
- 2. Optimize circulation**
 - Make sure that **the supply and exhaust air hoses are not blocked**.
 - A slight recirculation mode (mixture of fresh air and warm recirculated air) can help to increase the temperature more quickly.
- 3. Ensure ventilation**
 - Even in recirculation mode, **do not completely cut off the fresh air supply!**
 - A minimum amount of fresh air must always enter the circuit to prevent oxygen deficiency and condensation.

Safety instructions for operating a EuroHeater

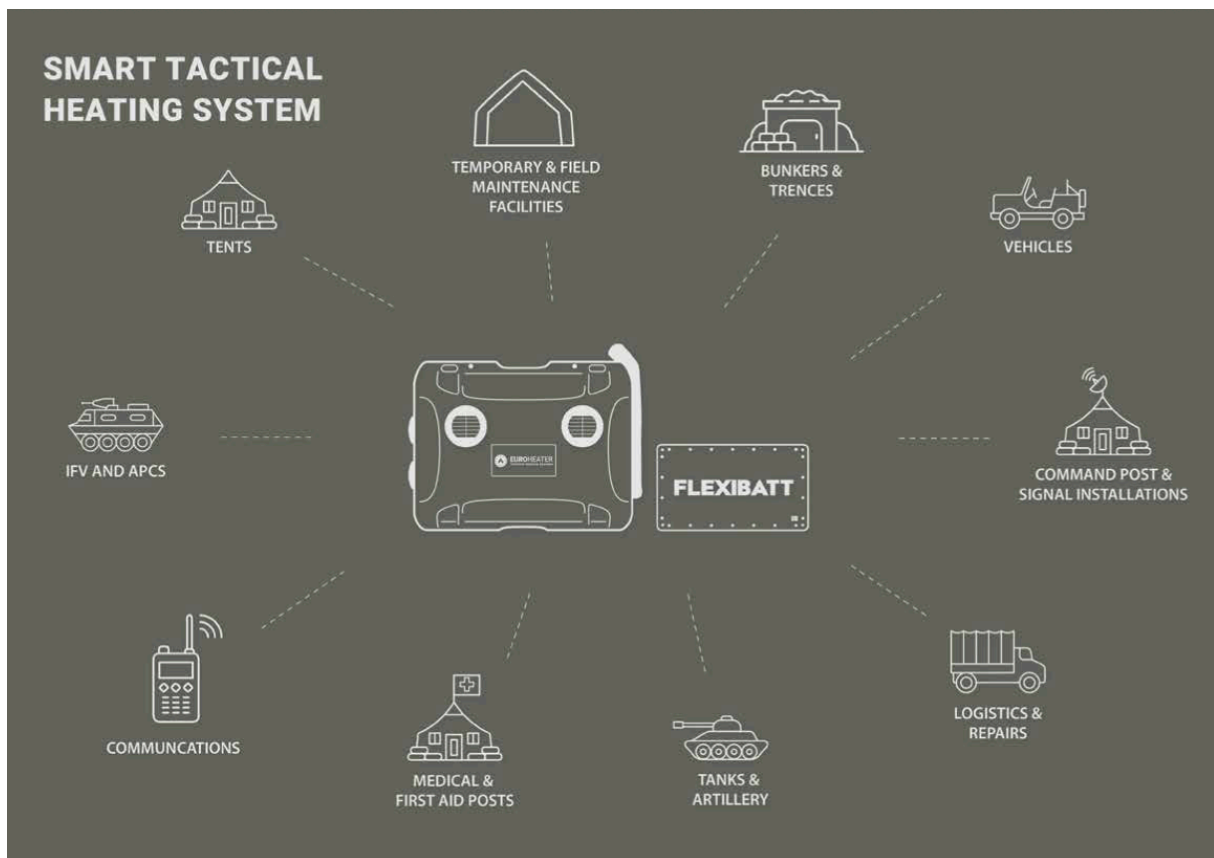
- 1. Only operate outdoors or in well-ventilated areas**

The exhaust gases are discharged via an exhaust pipe. The EuroHeater must *not* be operated in *closed rooms* without adequate ventilation. If necessary, use an approved and tested exhaust extension.
- 2. Distance from combustible materials**

Keep a sufficient distance from tent walls, curtains, furniture, or other combustible objects. Hot parts and air flow can pose a fire hazard.
- 3. Fuel: Use only approved types**

Only use the specified fuels such as diesel, kerosene, or comparable approved mixtures. Incorrect or contaminated fuel can lead to malfunctions, excessive smoke formation, or danger.
- 4. Fuel storage & tank filling**
 - Allow the tank to cool before filling.
 - When refueling, place on a stable, clean surface.
 - No open flames or sources of sparks nearby.
 - Close the fuel cap tightly.
- 5. Electrical components**
 - When operating on electricity, check all cables and connections for damage.
 - The control panel, cables, and connections must not have any cracks, frayed areas, or similar damage.
 - The power connection and, if applicable, the battery must only be operated at the specified voltages.
 - The controller or control panel is often dust and splash-proof, but is not a substitute for a waterproof/safe environment.
- 6. Protection against overheating and overpressure**
 - Do not cover the device. The air supply and hose connections must not be blocked.
 - Safety valves and exhaust air systems must not be tampered with.
 - Actively use temperature monitoring if available.
- 7. Setup and stability**
 - The heater must be set up in a stable and level position so that it does not tip over or slip.
 - Lay the hose so that there is no risk of tripping or blockage.
- 8. Maintenance & cleaning**
 - Regularly check for soot, deposits, and dirt in the combustion chamber and outlet opening.

- Observe the maintenance intervals specified by the manufacturer.
 - Only use spare parts from the manufacturer or approved parts.
9. **Operating temperature & environment**
- The device is designed for low outdoor temperatures (e.g., $-45\text{ }^{\circ}\text{C}$) - nevertheless, pay attention to the requirements of the model.
 - Protect from rain, snow, and heavy moisture if the device is not expressly weatherproof.
10. **Emergency measures**
- Keep a fire extinguisher nearby, e.g., one classified as suitable for flammable liquids.
 - Switch off immediately if smoke develops or unusual odors are detected.
 - In the event of leaks in the fuel system: stop operation immediately, clean the device, and seal it.



How do heating systems such as Euroheater support rescue and successful deployment?

- **Rapid provision of heat:** Mobile heaters enable emergency shelters to be heated immediately, which significantly improves the well-being and chances of survival of those affected in cold environments.
- **Improved working conditions:** Providing a warm environment for rescue workers increases their efficiency and concentration, which improves the success of rescue operations.
- **Mobility and flexibility:** Mobile heaters are easy to transport to different locations, enabling a flexible and rapid response to changing conditions.
- **Reduced risk of hypothermia:** Providing warmth minimizes the risk of hypothermia for injured people and rescue workers, leading to better medical outcomes.
- **Equipment preservation:** Mobile heaters help keep essential equipment functional by preventing it from freezing or being damaged by extreme temperatures.
- **Improved shelter:** They create comfortable and safe conditions in temporary emergency shelters, which supports the moral and physical recovery of survivors and responders.
- **Increased operational readiness:** Warm, heated areas allow rescue workers to rest and recover, increasing their operational readiness and endurance.
- **Efficient use of resources:** Mobile heaters use energy efficiently and can be powered by various energy sources, ensuring the availability of heat in different situations.
- **Safety in use:** Modern mobile heaters are equipped with safety features that ensure safe operation even under extreme conditions, thus reducing the risk of accidents.
- **Weather independence:** Mobile heaters are robust and weatherproof, making them a reliable source of heat even in adverse weather conditions and thus supporting rescue operations.

Euroheater and portable air heaters: Reasons and advantages of this suitcase heater

The use of heaters, especially portable air heaters such as the EuroHeater, is crucial in various environments. These devices offer numerous advantages, from preventing hypothermia to increasing work efficiency. The following is an analysis of the reasons for and advantages of these heaters.

Possible prevention of hypothermia

Hypothermia, or hypothermia, is a condition in which body temperature falls below the normal range, which can lead to significant health risks. In work environments, especially in unheated or poorly insulated rooms (), low temperatures can endanger the health of employees. Portable air heaters can play an important role here:

- **Health protection:** By maintaining a comfortable room temperature, portable heaters help minimize the risk of hypothermia. This is particularly important in areas where employees or even victims are exposed to low temperatures for long periods of time.

- **Rapid heat supply:** Portable heaters can provide heat quickly and in a targeted manner, which is particularly important in emergencies or in the event of a sudden drop in temperature.

Increased work efficiency

A comfortable working environment is a key factor in employee productivity and efficiency. Cold working conditions can not only affect physical health, but also have a negative impact on cognitive performance and motivation.

- **Improved concentration and performance:** Studies have shown that employees in rooms with a comfortable temperature concentrate better and work more efficiently. Portable heaters allow the temperature to be regulated quickly, optimizing working conditions. This is particularly important in locations with limited infrastructure.
- **Shorter breaks:** In cold environments, more frequent breaks are necessary to allow employees to warm up. This leads to interruptions and reduces overall efficiency. Portable heaters can minimize such breaks.
- **Flexibility and mobility:** Portable air heaters are easy to transport from one area to another, which is particularly advantageous in large warehouses, workshops, or on construction sites. This means they can be used specifically where they are most needed.

Advantages of warm tools

In addition to the general room temperature, the temperature of the tools also plays an important role. Cold tools and machines can impair the efficiency and safety of work.

- **Prevention of condensation:** In cold environments, condensation can form on tools and machines, which can lead to corrosion and mechanical problems. Warm tools prevent this and extend the service life of the equipment.
- **Safety and handling:** Cold tools are more difficult to handle and increase the risk of accidents. Warm tools fit better in the hand and are safer to use.
- **Immediate operational readiness:** In many industrial applications, machines must be brought to a certain temperature before operation. Portable heaters can speed up this process, resulting in less downtime and higher productivity.

EuroHeater: Specific advantages

EuroHeaters are particularly powerful and efficient portable heaters that are characterized by their reliability and versatility.

- **High efficiency:** EuroHeaters are known for their high energy efficiency, which makes them cost-effective to operate.
- **Robust construction:** These devices are often robust and durable, making them ideal for demanding industrial environments.
- **Easy transport and installation:** EuroHeaters are usually compact and easy to transport, which expands their range of applications.

Portable air heaters such as the EuroHeater are indispensable in many work and rescue areas. They offer protection against hypothermia, improve work efficiency, and ensure optimal working conditions. By providing a comfortable temperature environment, they not only contribute to the health and safety of employees, but also increase overall productivity and efficiency. Given these advantages, they are a worthwhile investment for companies operating in cold environments.

Use of the Euroheater in various organizations and industries

Fire departments & firefighters

- **Heat generation during firefighting operations:** The EuroHeater can be used to keep firefighters warm in cold environments, especially during prolonged firefighting operations in winter.
- **Drying equipment:** After an operation, the EuroHeater can help dry damp or wet equipment more quickly, thus speeding up the fire department's readiness for action.
- **Heating emergency vehicles and temporary command centers:** Especially during longer operations, the EuroHeater can be used in mobile command centers or emergency vehicles to ensure a comfortable working temperature.
- **Warming victims:** During operations where there is a risk of hypothermia, portable heaters are helpful for quickly warming victims and injured persons. They prevent hypothermia from worsening and stabilize body temperature. In this way, they make an important contribution to the rescue and recovery of those affected.

Police & Special Forces

- **Use at checkpoints:** In cold seasons, the EuroHeater can be used at checkpoints or during traffic checks to keep police officers warm.
- **Heating mobile police units:** Mobile police units can benefit from the warmth of the EuroHeater to create a comfortable environment in vehicles or temporary operations offices.
- **Drying and maintenance of equipment:** As with the fire department, the EuroHeater can help to efficiently dry wet or damp equipment.

Military, army, navy, and air force

- **Field camps and temporary accommodation:** The EuroHeater can be used in temporary military accommodation to keep soldiers warm in cold climates.
- **Equipment maintenance:** After exercises or operations in damp environments, the EuroHeater can help to dry and maintain equipment quickly.
- **Transport and logistics support:** When transporting sensitive equipment that cannot tolerate cold temperatures, the EuroHeater can be used to regulate the temperature in transport vehicles.

Paramedics and emergency doctors

- **Maintaining patient warmth:** In emergencies, the EuroHeater can be used to protect patients from hypothermia.
- **Heating emergency vehicles:** Emergency doctor and ambulance vehicles can be equipped with the EuroHeater to keep both medical equipment and patients warm during transport.
- **Heat support during outdoor operations:** In the event of outdoor accidents, the EuroHeater can quickly create a warm environment to improve medical care.
- **Warming victims:** During operations where there is a risk of hypothermia, portable heaters are helpful for quickly warming up victims and injured persons. They prevent hypothermia from worsening and stabilize body temperature. In this way, they make an important contribution to the rescue and recovery of those affected.

Authorities & disaster control

- **Emergency shelters:** In the event of natural disasters or evacuations, the EuroHeater can be used in emergency shelters to ensure a comfortable temperature for those affected.
- **Temporary emergency command centers:** The EuroHeater can be used in temporary command centers to create a productive working environment.
- **Logistics centers:** In warehouses or logistics centers, the EuroHeater can help protect temperature-sensitive goods.
- **Warming victims:** In operations where there is a risk of hypothermia, portable heaters are helpful for quickly warming victims and injured persons. They prevent hypothermia from worsening and stabilize body temperature. In this way, they make an important contribution to the rescue and recovery of those affected.

Civil defense and disaster control

- **Evacuation centers:** The EuroHeater can be used in evacuation centers to keep evacuees warm during cold seasons.
- **Rapid response teams:** Civil defense units can use the EuroHeater to quickly create a warm environment during operations in cold environments.
- **Disaster relief:** The EuroHeater can be part of disaster relief equipment to quickly provide warmth in emergencies.
- **Warming victims:** In operations where there is a risk of hypothermia, portable heaters are helpful for quickly warming victims and injured persons. They prevent hypothermia from worsening and stabilize body temperature. In this way, they make an important contribution to the rescue and recovery of those affected.

Possible industrial applications

- **Construction industry:** The EuroHeater can be used on construction sites to heat work areas and protect cold-sensitive materials.
- **Agriculture:** The EuroHeater can maintain a constant temperature in stables or when storing temperature-sensitive plants.
- **Event management:** At outdoor events during the cold season, the EuroHeater can be used to heat tents, stage areas, or spectator stands.
- **Transport and logistics:** In the logistics industry, the EuroHeater can be used in storage rooms or transport vehicles to protect temperature-sensitive goods.

The EuroHeater is a versatile and effective device that can be of great importance in various areas of application. Its ability to generate heat quickly and reliably makes it an indispensable tool for emergency services, authorities, disaster control, and various industries. Whether in emergencies, for the maintenance and drying of equipment, or in industrial applications, the EuroHeater offers flexible solutions for demanding temperature requirements.

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Vogt-CTE delivers rescue innovations

At Vogt-CTE, we offer our European trading partners access to unique innovations in the field of public safety. Our solutions make operations easier, faster, safer, and more resource-efficient. The products we represent are highly specialized, field-tested, and make a real difference—they save lives or make them safer every day. We don't just bring products to market - we deliver progress. Together with our partners, we ensure that these innovations reach exactly where they are most urgently needed: the emergency services on the front line.

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