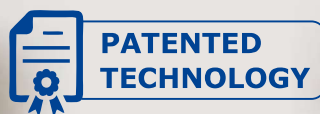
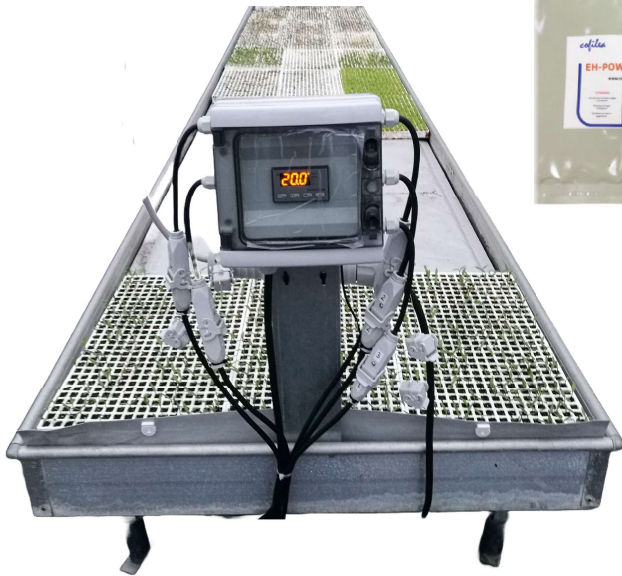


EH-POWER

HEATING BLANKETS, BELTS AND MATS



Multilayer Heating Fabric with Patented Technology

Electric Energy and Textile Innovation

Cofilea was founded in 2005 in Biella, the heart of Italy's prestigious textile district in the northwest. By combining textile expertise with energy know-how, we developed an innovative product: **ET-1000**, a technical fabric that generates heat through Joule effect when powered by electricity.

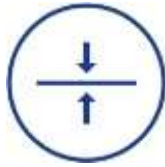
ET-1000: Innovation and Sustainability

ET-1000 marks a significant advancement in heating technology; a **high-efficiency multilayer electro-textile**, designed to deliver excellent performance while respecting the environment. Thanks to our patented technology and Joule effect, it transforms electric energy into heat uniformly, safely, and effectively.

Key Features of ET-1000



Low energy consumption



Ultra-thin profile



Lightweight and flexible



Highly ductile



Global Patents: A Mark of Excellence

Cofilea's innovation is internationally recognized:

- **2017:** European Patent (EP 3066887) – European Patent Office
- **2018:** US Patent (US 9,883,550) – United States Patent and Trademark Office
- **2019:** Chinese Patent (CN 105706525) – China State Intellectual Property Office

Certifications and Safety

ET-1000 is CE-certified and complies

with the standards for:

- Electrical safety
- RoHS
- Fire resistance
- Electromagnetic compatibility



EH-POWERGROUND: Professional Heating Mats



HEATING MATS FOR GREENHOUSES AND NURSERIES

STANDARD AND CUSTOM PRODUCTION

EH-POWERGROUND is an electric heating mat built with patented technology, internally insulated, and coated with a special waterproof and fertilizer-resistant PVC. It is designed to maximize efficiency and economy by concentrating heat where it is most needed: the substrate and root area.

Features for seedlings, cuttings, and seedbed heating mats

Our electric heating systems for greenhouses reduce heating costs, promote seed germination and cutting rooting, accelerate plant growth and nutrient uptake, and shorten production cycles. EH-POWERGROUND is a radiant system for basal heating, pre-wired and ready to use – “PLUG & PLAY.” Professional heating mats can be quickly and easily installed, used, and moved. A versatile and efficient solution for off-ground crops on benches, distinguished by:

1. **Flexibility:** PVC-coated heating mats are flexible and rollable.
2. **Waterproof:** Heating modules are fully waterproof.
3. **Resistant:** The outer layer is designed to withstand fertilizers.
4. **Adaptable:** Suitable for both small and large areas.
5. **Scalable:** Heating area can be expanded anytime with new mats and thermostats.
6. **Precision:** Desired temperature values are strictly maintained with EH-CONTROL thermostats.
7. **Functionality:** Easy to use based on customer needs.
8. **Reliability:** Powered by ET-1000 heating fabric ensuring top safety and performance standards.



EH-POWERJACKET: Heating for Drums and IBCs

HEATING BLANKETS

STANDARD AND CUSTOM PRODUCTION

The EH-POWERJACKET thermal blankets, in the version heaters, bins and palletized containers, are easy to apply and suitable for heating and maintaining the temperature. Products in standard versions, for the most common types of containers and tanks, are available from stock. For specific versions and typologies, we can realize customized productions.

The EH-POWERJACKET IBC tank warmer provides efficient and consistent heating for a variety of contents, ranging from

chemicals to food-grade materials contained in tanks of 1000/ 800/ 600 Liters. EH-POWERJACKET heating covers for drums and cans provide uniform heating for a wide range of products, including chemicals and foodstuffs

Features

1. Advanced Technology: patented ET-1000 heating fabric
2. Thermal insulation: high thermal insulation and Safety waterproof technical coating
3. Design: flexible design fits multiple container types and ensures easy installation

EH-POWERJACKET blankets are compatible with both metal and plastic containers. Temperature is regulated using the external and independent EH-CONTROL thermostat.



EH-POWERBELT: Tank Heating



HEATING BELTS

STANDARD AND CUSTOM PRODUCTION

EH-POWERBELT heating belts are applied externally to tanks, eliminating contamination risk. When paired with EH-CONTROL thermostats, they are ideal for heating and maintaining the temperature of food, liquids, or other materials. Suitable for tanks, silos, vats, mixers, reactors, barrels, and amphorae.

Features

The EH-POWERBELT heating belts are an efficient and versatile solution for the heating of unconditioned tanks in the food, chemical, pharmaceutical sector, distinguished by the following characteristics:

1. **Low Energy Consumption and High Efficiency:** The patented technical fabric ET-1000 ensures low electrical consumption and a high thermal efficiency.
2. **Optimized Thermal Insulation:** A layer of thermal insulation improves the directivity of heat and reduces thermal dispersions.
3. **Adjustable:** The bands are equipped with extendable belts, allowing adaptation to tanks of different sizes.
4. **Flexible:** The light weight and easy handling facilitate the installation and removal of the bands.
5. **Resistant:** The outer PVC coating ensures water resistance and wear resistance.
6. **Compact:** The belts, when not in use, can be folded and stored, taking up limited space.

EH-POWERBELT Applications

Heating belts are extremely versatile and can be adapted to a wide range of uses and applications for:

- Production of wine, beer and fermented products in general
- The maintenance of temperature according to EVO oil
- Heating and storage of chemical materials
- Etc...
- The pharmaceutical and beauty industry
- The care of composites and resins
- The food industry in general

The heating bands can be adapted to a multitude of uses which vary according to the specific need and can be used on metal, fiberglass, plastic tanks, wooden barrels, terracotta and ceramic amphorae.



EH-POWERTECH: Custom Industrial Thermal Blankets



INDUSTRIAL HEATING BLANKETS

STANDARD AND CUSTOM PRODUCTION

We are leaders in the production of customized and tailor-made industrial heating blankets, leveraging our exclusive patented ET-1000 technology. We design bespoke heating covers to ensure constant warmth in demanding industrial environments, ideal for the chemical, food, pharmaceutical, and other sectors. Our industrial electric heating blankets guarantee quality and reliability.

Features

1. **Waterproof and washable technical PVC outer coating.**
2. **Advanced thermal insulation:** Thanks to high-density felt layers (6 to 12 mm thick), superior insulation is achieved
3. **Quality:** We confirm high product quality and reliable performance for the most demanding industries.
4. **Size, power supply, and wattage:** Available in customizable dimensions.
5. **Versatility:** Industrial heating covers are extremely versatile and can be adapted to a wide range of uses and applications.
6. **Made in Italy quality:** Entirely Italian production with high-quality materials ensures reliability and long-term durability.
7. **Total customization:** We create tailor-made heating blankets for every need, from materials to dimensions.
8. **Fast shipping and on-time delivery:** Timely deliveries, even for custom orders.

FAQs:

How long do the heating blankets last?

Thanks to high-quality materials, our heating blankets are designed for long-lasting performance, even under intensive use.

Are the heating blankets safe?

Yes, our products comply with safety regulations and feature Class 2 electrical insulation.

Are the heating blankets waterproof?

The PVC coating makes them waterproof and washable.



EH-CONTROL: Temperature Management Systems

TEMPERATURE CONTROL UNITS FOR HEATING BELTS, BLANKETS AND MATS

Cofilea stands out in the field of heating systems, offering a range of temperature control solutions called EH-CONTROL, essential for precise temperature monitoring and management. Each system is designed to meet diverse needs, ensuring reliability and accuracy.

EH-CONTROL BASE 1 EXIT

Ideal for a single heating element, such as a heating blanket or mat, this base model includes a waterproof NTC 10K probe ($\pm 1\%$) with a 2- or 5-meter cable—perfect for compact applications, while upholding Cofilea’s hallmark quality standards.

EH-CONTROL ENTRY 2 EXITS

Designed for efficient management of up to 2 heating blankets or mats simultaneously, this system features a waterproof NTC 10K probe ($\pm 1\%$) with a 10-meter cable, ensuring reliable control.

EH-CONTROL PRO 4 EXITS

This advanced version allows temperature control for up to 4 heating blankets or mats at once. Equipped with a waterproof NTC 10K probe ($\pm 1\%$) and a 10-meter cable, it delivers maximum flexibility and precision.





ET-1000 TECHNOLOGY



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