

FTT

Flexible Thermal Tape



FTT - Flexible Thermal Tape

FTT is an innovative thermal pipe insulation jacket made of high performance materials, suitable for civil and industrial applications.



HIGH TEMPERATURES



COLD



TEMPERATURE MAINTENANCE

- | | |
|--|---|
| ✓ Suitable for hot and cold cycle system elements | ✓ Protects against cracks caused by ice |
| ✓ Adaptable for installation even in narrow spaces | ✓ Reduces condensation |
| ✓ Specific for elements with complex geometry | ✓ Easy to install |

Flexible Thermal Tape is made of different materials and sizes according to the different customer requirements and to the specific field of application.

Standard Specifications

OPERATING TEMPERATURE	Da -30°C fino a +320°C
LENGTH	1.000 – 1.500 – 2.000 – 3.000 mm
WIDTH	100 – 230 – 300 mm
THICKNESS	30 mm
COMPOSITION	Technical fabric; Non-combustible mineral wool A1 class according to EN13501 standard; Special sewing threads resistant to high temperature
LOCK SYSTEM	Steel clamps

Why choose FTT

Flexible Thermal Tape removable pipe insulation from Teknovis3 provide real energy savings and reduced CO2 emissions.



Sustainable

FTT promotes the reduction of greenhouse gas emissions into the environment.



Complex geometries

FTT combines flexibility with remarkable adaptability even in small spaces and with high plant complexity.



Saving

FTT provides excellent energy savings and reduces maintenance and procurement costs.



Microclimate

FTT is an insulating mat that helps to reduce temperatures in working environments.



Safety

FTT reduces the risk of burn injuries and temporarily contains accidental spills of aggressive products while protecting plant staff.



Condensation

It helps to reduce the condensation formation on the system elements on which it is installed.



FTT for high temperature cycles

Industrial plants that use hot water, steam, diathermic oil or other fluids are considered as high temperature cycle plants. Industrial insulation with Teknovis3 solutions, is essential to guarantee energy savings and to reduce CO2 emissions, helping to achieve the environmental sustainability goals in the plant production processes and personnel safety.

- ✓ Hot / overheated water
- ✓ Steam
- ✓ Diathermic oil
- ✓ Other fluids

FTT for cold or low temperature cycles

Industrial plants that use cold or refrigerated water, glycol or other fluids are defined as low temperature cycle plants. Industrial insulation, using Teknovis3 solutions, is essential to ensure energy savings and CO2 emissions reduction and to help achieving environmental sustainability goals in production processes.

- ✓ Cold water
- ✓ Refrigerated water
- ✓ Glycol
- ✓ Other fluids

Applications



HIGH TEMPERATURES



Applications



COLD



FTT for constant temperature cycles

Industrial plants that need to maintain constant temperature in their production processes and to prevent fluids solidification or risk downtimes caused by freezing, find the solution in Teknovis3 products.

- ✓ Fluids that solidify with temperature decreasinges
- ✓ Anti-freeze

Applications



TEMPERATURE MAINTENANCE



Measure energy savings with Gaia E-Tracker System

Installing FTT with Gaia E-Tracker System, the innovative IoT technology patented by Teknovis3, it is possible to monitor and calculate real-time energy savings and CO2 emissions reduction.

Thanks to the constant measurement of the quality of the insulation level of industrial plants, Gaia is able to automatically calculate energy savings and the reduction of CO2 emissions, while monitoring the thermal load of a plant's fluids.



The advantages of Gaia e-Tracker System

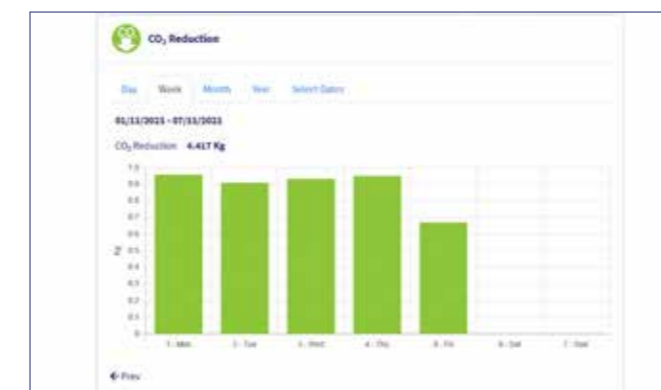
Thanks to its high level of technological innovation and ease of use, Gaia offers numerous advantages to companies that want to reduce CO2 emissions and to measure the level of energy savings.

- Automatic calculation of energy savings and CO2 emission reduction
- Data available directly on the Gaia device display and WebApp
- Useful tool for implementing the continuous improvement methodology in production processes
- Continuous thermal loads control
- Unlimited data storage capacity
- Easy installation
- Constant monitoring 24/24 h
- Usable on different types of insulations
- Data available for export from the WebApp

With the Gaia WebApp, data are translated into values

Developed by the Teknovis3 R&D Department, Gaia devices are being installed at different points in a plant and transmit data to the cloud.

An advanced algorithm processes the data and displays the results on a WebApp.



CO2 reduction: CO2 reduction trend



Thermal measurement: Temperature trend inside and outside the insulation



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