

Technical Data sheet

Standard Heating blankets (0-90°C)

Description

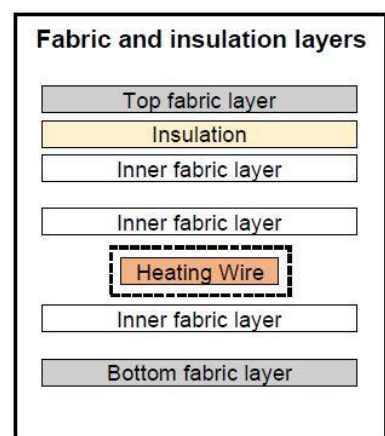
Heating blankets for curing of composite materials. The heating blankets are made to be controlled by either a build-on digital controller or an external digital controller.

See our catalogue or your specific order for details or information about custom version of the heating blankets.



Materials

	Material
Top fabric layer	Nylon
Bottom fabric layer	Silicone impregnated fiberglass cloth
Inner fabric layers	Fiberglass Cloth
Insulation	6mm polyester insulation



Method of temperature control

- Type K Thermocouple or PT100 sensor inside the heating blanket, placed in cold zone between 2 heating wires.
- Controller hysteresis value: -3°C.
- Setpoint: 0-90°C.

Environment

- Temperature range for storing and use: -10°C to 40°C.
- IP rating: IP40 (Optional: IP54 for controller)

Safety

- Internal thermal fuse with a melting point of 167°C.
- Electrical Protection class II.
- Controller fuse: 16A.
- Controller internal overtemperature protection.
- Powder or CO2 can be used for firefighting near active heating blankets.
- Water or foam should not be used for firefighting near active heating blankets.

Technical information

Voltage	230V 50Hz or 120V 60Hz
Power	See individual heating blanket information
Size	See individual heating blanket information
Wire mesh ground	Yes (except on some custom made products)
Thermal fuse in blanket	167°C
Power cable length	3 meters unless other is specified
Power connector	Schuko 230V, US120V or Ilme connector for external controller.
Protection Class	Class II
Controller fuse	16A

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Controller functions (DigiTherm Digital Controller)

- Setpoint. See individual heating blanket information for maximum setpoint.
- Ramp up function (Limit temperature increase pr. minute).
- Timer function for automatic shutdown after selected amount of time.
- °C or °F

Cleaning

- Use dry cloth, soft brush, or vacuum cleaner to remove dust and debris.
- Clean with damp cloth to remove spots. Must be completely dry before use.

Storing options (use one of the following methods)

- Stack the blankets unfolded.
- Roll loosely with cable rolled up inside and stack the blankets. Avoid stacking so many that the blankets get sharp bends.
- Fold blankets without pressing the bends. Stack only a few blankets while folded to avoid damaging the heating wire or thermal fuse in the bends.

Maintenance and repairs

Before each use inspect the heating blanket. Do not use if the heating blanket has any of the following:

- Cuts/Tears/Holes.
- Porous dark brown or black burn marks (light brown discoloring of the fabric over time is acceptable).
- Wet spots (must dry completely before use).
- Broken or exposed external wires.
- Loose connectors.

Power plugs can be changed by local authorized electrician to another plug with correct specifications.

All other repairs and service should be performed by the manufacturer only.

Errors

In case of an error message in the display of the controller please document the heating blanket setup with description and pictures and contact the manufacturer for information about how to proceed.

Warranty

1 year from purchase date up to a maximum of 1600 hours of use.

