

CONTAINER HEATER

TECHNICAL DATASHEET

Valid for and intended use of the product

This datasheet is valid for all standard and custom container heaters, unless otherwise specified. The heating blankets are for heating containers to keep them frostfree or to obtain a higher temperature. For industrial use only! Must be operated by trained personnel familiar with heating equipment safety. It is not intended for household use or for heating living beings.

Disposal of the product

Heating blankets should be sorted as electronics scrap when they are discarded. Refer to local rules and regulations for detailed information about how to handle the disposal.

Materials

The container heaters come in three main types:

- Standard (**Std**) up to 90°C
- High Temp. (**HT**) up to 200°C
- Food and Pharmaceutical (**F&P**) up to 200°C

Top layer (cold side)	• Std: Black Cordura, colored nylon, or silicone impregnated fiberglass cloth • HT: Silicone impregnated fiberglass cloth • F&P: FDA approved silicone impregnated fiberglass cloth
Bottom fabric (hot side)	• Std & HT: Silicone impregnated fiberglass cloth • F&P: FDA approved silicone impregnated fiberglass cloth
Insulation	• Std: 8mm Polyester insulation • HT & F&P: 6mm Glass fiber insulation

Temperature control options

- Digital controller with setpoint adjustment, timer, and ramp-up function.
- External digital controller with setpoint adjustment, timer, and ramp-up function.
- Bi-Metal thermostat (only available on some custom products).

Controller sensor

- Build-on digital controller - Type k Thermocouple
- External digital controller - PT100

Environment

- Ambient temperature for storing and use: -10°C - 40°C, ≤75% RH, non-condensing
- IP rating: IP40 (Optional: IP54 for controller)

Safety features and information

- Internal thermal fuse.
- Electrical Protection class II.
- Controller fuse.
- Controller internal overtemperature protection.
- Powder or CO2 can be used for firefighting near active drum heaters.
- Water or foam should not be used for firefighting near active drum heaters.
- Use heat resistant gloves if handled while warm.
- Do not use if wet.

Technical information

Voltage	230V 50Hz or 120V 60Hz depending on model
Power	See individual heating blanket information
Size	See individual heating blanket information
Wire mesh ground	No (except on some custom-made products)
Thermal fuse in blanket	Std : 172°C 16A or lower depending on model HT & F&P : 259°C 16A or lower depending on model
Power cable length	2.9 meters unless otherwise specified
Power connector	Connector type may vary depending on model and customer specifications. An Ilme connector is used for versions with an external controller
Protection Class	Class II
Controller fuse	10A or 15A depending on model