

# PRODUCT RANGE 2024

DRUM & IBC JACKETS HEATERS COVERS

Kuhlmann Electro-Heat A/S · Phone +45 6612 2325 · www.kuhlmann-electroheat.com · kuhlmann@kuhlmann.dk Revised April 22nd 2024





### **DRUM HEATING JACKETS**

A Drum heating jacket is the perfect solution when it comes to quickly and effectively heating up fluids and materials making them very easy to empty out with minimal to no waste product. They are also useful for protection from UV radiation.

The drum jackets are equipped with easy to use digital controllers, with various heating ranges from 0°C to 200°C (32°F up to 392°F) or fixed bi-metal thermostats.

The jackets are made from durable and long lasting high quality lightweight design and the construction combined with quick release buckles makes the jackets easy to attach to any standard sized drum.

Warm-up duration approx. 24h for 200 liters of water from 20°C to 82°C (+68°F to +180°F) using a 1200W drum heating jacket.

#### Ideal for heating up:

- Water.
- Oils and diesel fuel.
- Resin.
- Vaseline.
- Wax, e.g. lanolin (wool wax or wool grease).
- Fats.
- Butters e.g. Ghee.

All shown products are for 200L drums. See our price list for other drum sizes and options.



110V 1200W: 11-9858A 230V 1200W: 11-9858

#### Standard Drum Heating Jacket (0-90°C)

- Digital controller 0-90°C (32-194°F).
- Polyester fabric jacket.
- 6mm fiber glass insulation.
- Silicone insulated spiral wound resistance element.
- Internal heat fuse (167°C).
- Adjustable quick release buckles.
- 3 meter (10 feet) power cable.
- IP40 rated (option for IP54 controller).
- Top lid sold separately (Black lid for 200L drum: 15-1921).



110V 1200W: 11-9870A 230V 1200W: 11-9870

#### High temperature Drum Heating Jacket (0-200°C)

- Digital controller 0-200°C (32-392°F).
- Silicone impregnated fiber glass jacket.
- 6mm fiber glass insulation.
- Silicone insulated spiral wound resistance element.
- Internal heat fuse (225°C).
- · Adjustable quick release buckles.
- 3 meter (10 feet) power cable.
- IP40 rated (option for IP54 controller).
- Top lid sold separately (Silver lid for 200L drum: 15-1921A).



1 zone - 230V 1200W: 19-2746 2 zones - 230V 2x600W: 12-1208DT

#### Foodstuff Drum Heating Jacket (0-120°C)

- Designed for food and pharmaceutical industries.
- 1 or 2 zones with full area coverage.
- Digital controller(s) 0-120°C (32-248°F).
- Silicone impregnated fiber glass jacket (FDA approved for use with food).
- IP40 rated (IP54 rated controller).
- Other options and internal contruction as HT Drum Heating Jackets.
- Top lid sold separately (White lid for 200L drum: 15-1921F).

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### **OTHER DRUM HEATERS**

Besides our Heating Jackets we have several other high quality heating solutions for drum heating.

The silicone heating bands are high power compared to heating jackets, but without the insulation.

The base heaters are easy to use with high power and can be combined with the other heating or insulation products from our range for faster heatup times and better temperature stability.

All shown products are for 200L drums. See our price list for other drum sizes and options.





**Base Drum Heater (0-120°C)** 110V: 11-9868A 223V: 11-9868

HT Base Drum Heater (50-300°C) 110V: 12-1170A 223V: 12-1170



230V 1000W: 11-9867

#### Silicone Drum Heating Band (0-120°C)

- Designed in durable silicone materials.
- Simple design for easy usage.
- Thermostat with range from 0-120°C (32 - 248°F).
- Mount up to 3 heaters on one drum.
- 3 meter (10 feet) power cable.
- Also available for 25, 50, and 105 liter drums.
- Can be combined with Base Drum Heater.



#### Base Drum Heater (0-120°C)

- Digital controller 0-120°C (32-248°F).
- Easy installation. Just place the drum on the drum heater and start heating the content.
- Size: Ø: 555mm / H: 105mm.
- Weight: 15 kg.
- 2 meter power cord.
- Can be combined with other heating or insulation products from our range.



110V 1800W: 12-1170A 230V 1800W: 12-1170

#### High Temp. Base Drum Heater (50-300°C)

- Adjustable thermostat 50-300°C (122-572°F).
- Easy installation. Just place the drum on the drum heater and start heating the content.
- Size: Ø: 555mm / H: 70mm.
- Weight: 15 kg.
- 3 meter power cord.
- Can be combined with other heating or insulation products from our range.

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#### 16-2105

#### **Drum Lid with access holes**

- Alternative to standard lid.
  Access holes for easy access to
- drum openings.
- Cordura material with Teflon coating.
- Water repellent.
- Chemical resistent.

### DRUM COVERS & INSULATION JACKETS

Drum insulation jackets are designed to insulate and maintaining temperature inside a drum barrel.

The insulation jackets and covers can be used in conjunction with a Base Drum Heater to speed up the heating process and to slow down the cooling proces, after the heater is unplugged.

Our insulation jackets and covers are made from durable materials and are easy to install.

#### Ideal for:

- Maintaining temperature inside a drum.
- Speeding up the heating process.
- Extra drum protection.
- Safe drum transportation.

All shown products are for 200L drums. See our price list for other drum sizes and options.





17-2221

#### **Drum PVC Cover**

- Waterproff.
- Clear window for drum identification.
- Made from PVC.
- Can be combined with a Base Drum Heater.



11-9862

#### **Drum Insulation Cover**

- Opens in the top for access to drum.
- Opens in the side for easy installation.
- Insulated.
- Size: Ø:589 / H:860mm
- Can be combined with a Base Drum Heater.



Jacket: 17-2330

#### **Drum Insulation Jacket**

- Polyester fabric jacket.
- 6mm fiber glass insulation.
- Adjustable quick release buckles.
- Can be combined with a lid and/or a Base Drum Heater.



## **IBC HEATING JACKETS**



#### An IBC heating jacket is the perfect solution when it comes to quickly and effectively heating up fluids and materials making them very easy to empty out with minimal to no waste product. They are also useful for protection from UV radiation.

The IBC jackets come with up to 3 zone digital controllers, adjustable from 0-40°C or 0-90°C, making the jackets very fast and safe to heat liquids and maintaining the wanted viscousity for the content in the container.

The jackets are made from durable and long lasting high quality lightweight design and the construction, combined with quick release buckles and hooks for the top edge, makes the jackets easy to attach to any standard 1000L container.

The foodstuff container jackets are made especially for food and pharmaceutical industries.

#### Ideal for heating up:

- Water.
- Oils and diesel fuel.
- Resin.
- Vaseline.

- Wax, e.g. lanolin (wool wax or wool grease). •
- Fats.
- Butters e.g. Ghee.

All shown products are for 1000L IBCs. See our price list for other sizes and options.









3 Zone (0-90°C)

3x1000W

230V: 11-9861B

#### **IBC Heating Jackets**

- 1-3 zones with full area coverage and DigiTherm digital controllers: • 1 zone 0-40°C - 1300W. • 2 or 3 zones 0-90°C - 1000W per zone.
- Polyester and fiber glass fabrics.
- 6mm fiber glass insulation.
- Silicone insulated spiral wound resistance element.
- Internal heat fuse (167°C).
- 3 meter power cable with w/o prong.
- Class IP40.
- Adjustable quick release buckles and edge hooks for attachment.
- Warm-up heater & lid 1000L drum with water from +15°C to
  - +30°C: • 1 zone ~72 hours.
    - 2 zones
    - ~20 hours. ~6 hours. 3 zones
- Top lid sold separately (Black insulating lid: 11-9861D).





1 Zone 0-40°C 1300W 230V: 20-2798

2 Zone 0-90°C 2x1000W 230V: 20-2797

#### **IBC Heating Jackets for foodstuff**

- 1 or 2 zones with full area coverage and DigiTherm digital controllers:
  - 0-40°C 1300W. 1 zone
  - 2 zones 0-90°C - 1000W per zone.
- Silicone impregnated fiber glass fabrics (FDA approved for use with food).
- 6mm fiber glass insulation.
- Silicone insulated spiral wound resistance element.
- Internal heat fuse (167°C).
- 3 meter power cable with w/o prong.
- Class IP40 (IP54 rated controller).
- Adjustable quick release buckles and edge hooks for attachment.
- Warm-up heater & lid 1000L drum with water from +15°C to +30°C:
  - 1 zone ~72 hours.
  - ~20 hours. 2 zones
- Top lid sold separately (White foodstuff insulating lid: 20-2799).



### **IBC BASE HEATER**

The IBC Base Heater can be placed under an IBC bag-inbox system and can be adjusted to heat up to and hold temperatures in the range 0-150°C. The heating element is water resistant and will work well outside.

The IBC Base Heater can be combined with heating or insulating jackets, insulating lids, and/or covers for faster heatup times and better temperature stability.

The standard size is for 1000L IBC Bag-in-Box systems. (Ask for other sizes and options)



### IBC Base Heater (incl. digital controller)

- Powerful base heater for IBC Bag-in-Box systems.
- 2700 Watt heater.
- External digital controller for accurate temperature control. PT100 sensor build in to the heating surface.
- Dimensions: 1035 851mm (fits a 1000L IBC).
- Materials: 100% silicone.
- Cables:
  - Heating element: 2m incl. connector for controller.
    Controller: 3m incl. Schuko combi connector.
- Environment:
  - Heating element: -10-40°C IP64 rated.
  - Digital Controller: -10-40°C IP54 rated.
- Heats water from 15°C 70°C in less than 40 hours with a fully loaded IBC Bag-in-Box.
- Combine with heating jacket or insulating cover and lid for optimal effect.



IBC Base Heater (incl. digital controller for 0-150°C) 2700W 230V: 13-1436S





#### **IBC Lid with access hole**

- Openings for easy access to IBC. Cordura material with Teflon
- coating.
- Water repellent.
  Chemical resistent.
  Standard Size: 1000L.

### **IBC COVERS & INSULTATING JACKETS**

IBC insulation jackets are designed to insulate and maintaining temperature inside an Intermediate Bulk Container (IBC).

Most of our insulation jackets can be used in conjunction with other IBC heaters to speed up the heating process and to slow down the cooling proces, after the heater is unplugged.

Our insulation jackets and covers are made from durable materials and are easy to install to an IBC for better weather resistance or for use in wet or dusty working environments.

#### **Ideal for:**

- Maintaining temperature inside a container.
- Speeding up the heating process.
- Extra container protection.
- Safe container transportation.
- Protecting the content of the IBC from UV radiation.

All shown products are for 1000L IBCs. See our price list for other sizes and options.



#### 15-1738

#### **Deluxe Insulation Cover**

- Insulating for maintaining temperature.
- Water repellent.
- Chemical resistant.
- Integrated lid.
- Strategically placed velcro access pads.
- · Cordura materials with Teflon coating.
- 8mm (700g/m2) Polyester insulation.
- Can be used in conjunction with an IBC Base Heater.



#### **PVC Waterproof Cover**

- 100% Waterproof.
- Produced in durable PVC materials.
- Welded seams for optimal waterproofing.
- · Sized to also fit an IBC with a Heating Jacket for weather protection of the Heating Jacket.
- Can be used in conjunction with an IBC Heating Jacket, a Lid, and/or an IBC Base Heater.



#### **Thermal Bubble Wrap Cover**

- Protects IBC from overheating and sunlight when outside.
- Metallic aluminum inner- and outer.
- Bubble wrap foil interlayer.
- Top velcro pad for container access.
- · Can be used in conjunction with an IBC Base Heater.





### IBC COVERS & INSULTATING JACKETS

IBC insulation jackets are designed to insulate and maintaining temperature inside an Intermediate Bulk Container (IBC).

Most of our insulation jackets can be used in conjunction with an IBC Heating Jacket or other IBC heaters to speed up the heating process. Adding an insulation jacket to a heater helps speed up the heating process and slows the cooling proces, after the heater is unplugged.

Our insulation covers are designed in durable materials and are easy to install to an IBC for better weather resistance or for use in wet or dusty working environments.

#### Ideal for:

- Maintaining temperature inside a container.
- Speeding up the heating process.
- Extra container protection.
- Safe container transportation.
- Protecting the content of the IBC from UV radiation.

All shown products are for 1000L IBCs. See our price list for other sizes and options.



#### 15-1740

#### **Full Insulation Cover**

- Full cover with no openings.
- Insulating for maintaining temperature.
- Water repellent.
- Nylon materials.
- 8mm (700g/m2) Polyester insulation.
- Also fits standard pallets.
- Also available for 1250L and 640L containers.
- Can be used in conjunction with an IBC Base Heater.



#### **Insulation Cover**

- Full cover with strategically placed velcro access pads.
- Insulating for maintaining temperature.Water repellent.
- Nylon materials.8mm (700g/m2) Polyester insulation.
- Also fits standard pallets.
  Also available for 1250L and 640L containers.
- Can be used in conjunction with an IBC Base Heater.



#### **Insulation Body Cover**

- Insulating for maintaining temperature.
- Water repellent.
- Adjustable straps.
- Quick release buckles.
- Nylon materials.
  - 8mm (700g/m2) Polyester insulation.
  - Can be used in conjunction with a Lid and/or an IBC Base Heater.



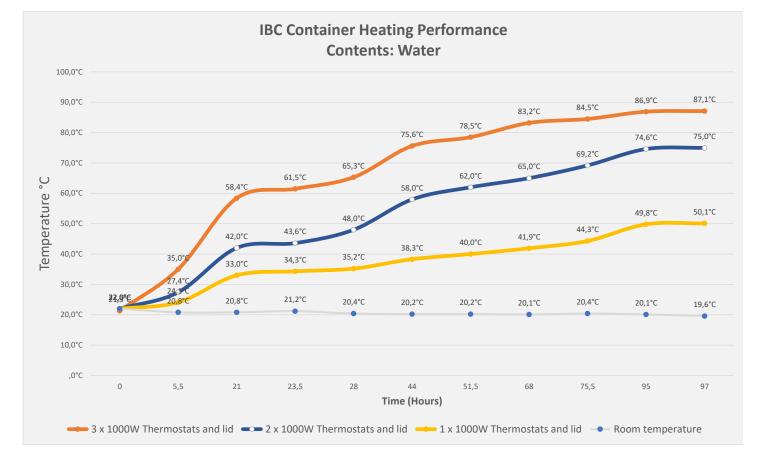
### **IBC HEATING JACKET** WARMUP TIME

This is an example of warmup times for IBC Heating Jackets with 1, 2, or 3 zones.

The test is done on a 1000 liter IBC filled with water, with a Heating Jacket plus an insulating lid. The controller was set at 90°C in all three tests.

Results may vary depending on the IBC content, the environment, wind and other factors.





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### **GAS CYLINDER HEATERS**

In the demanding environments of laboratories, various industries, craft workshops and production facilities that utilize gas extensively, ensuring a constant and stable flow of gas is paramount. However, a rapid reduction in the liquid gas level can lead to cylinder frosting, which not only significantly impacts the flow rate but also the precision of operations - especially critical when working with calibration gases in laboratories or maintaining high usage rates where nozzle freezing can halt production.

Our gas cylinder heaters are engineered to address this challenge, preventing frosting and ensuring the continuous flow rate your processes depend on.

Our heaters are crafted from materials that ensure longevity and efficiency. We've designed them to be easy to attach and detach from the cylinders, offering a hassle-free experience for users in any setting.

We offer standard sizes to fit common cylinder types, such as type K, readily available from our stock. We also produce custom heaters tailored to fit most other gas cylinders sizes.

Choosing our gas cylinder heaters safeguards your operations against the adverse effects of frosting, investing in reliability and uninterrupted productivity.



#### 230V 500W: 23-4407

#### Gas Cylinder Silicone Heating Band

- 40°C (104°F) bi-metal thermostat.
- Dimensions: 890x120mm.
- For 22kg and 33kg standard gas bottles.
- Manually resettable over temperature fuse at 55°C (122°F).
- Flexible spring fastener.
- Water resistant.



230V 435W: 12-1200A

#### Gas Cylinder Heating Jacket

- · Adjustable digital controller
- 0-40°C (32-104°F)
- Optional: 0-90°C (194°F).
- Dimensions: 1050x860mm (41.3"x33.9").
- Silicone impregnated fiber glass jacket.
- Teflon insulated spiral wound heating wire.
- Internal thermo fuse for 172°C (342°F).
- Adjustable quick release buckles.
- IP40 rated.



10L - 230V 380W: 23-4266 50L - 230V 850W: 23-4265 79L - 230V 850W: 23-4264

#### Gas Cylinder ATEX Heating Jacket

- Digital temperature controller (controller item#: 23-4258).
- ATEX temperature class T3, T4, T5, or T6. We recommend T6 (limited at 85°C) for gas bottles.
- ATEX zones 1/2 (gas) and 21/22 (dust).
- Dual PT100 sensors for safety.
- Suitable for indoor and outdoor use.
- IP65/I rated.

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### GROUND THAWING BLANKET

With the ground thaw heating blanket you can easily thaw frozen ground and soil, frozen pipes, melt ice and snow, thaw frozen pipes, and use the blankets as freeze protection for pipelines and other equipment that are in risk of freezing.

The blankets are top-insulated and will only radiate heat in a downwards direction. Designed in durable waterproof and weatherproof materials, our thawing blankets are built to last and can withstand just about any condition.

#### **Ideal for:**

- Concrete curing
- Thawing frozen ground
- Preheating construction materials
- Freeze protecting construction materials
- Heat maintenance in electrical and telecom cables
- Excavation work

| Thaws up to 30 cm. soil<br>in 24 hours | Custom sizes available<br>upon request          |
|--|---|
| Fixed temperature<br>(70°C)            | Power cable with Schuko<br>or blue CE connector |

#### Ground Thawing Blanket (3 x 1 meter)

- Rating: 230V 1050W.
- Fixed temperature (70°C).
- Durable PVC materials.
- 2-meter power cable.
- Schuko or industrial connector.
- IP67 Class.
- Special sizes produced upon request.
- In normal conditions the mat thaws up to 30 cm of soil in 24 hours or up to 60 cm in more sandy soil/ground.

