Handy Milk Warmer

Dairy Spares

MWA23A; 14170-E

Instructions for use

Instructions for Use – Handy Milk Warmer

1. General

These operating instructions comprise instructions for use and safety information. Please read the instructions carefully and note the regulations and relevant information before putting the device into operation.
Please keep these operating instructions in a safe place for later use!

2. Correct use

The Handy Milk Warmer is intended for warming milk and feed prepared using water. It must not be used for other purposes, in particular to prevent the freezing of water in feeding troughs and to warm up corrosive liquids. In the event of incorrect use or modifications to the device, the manufacturer's warranty and liabilities shall be deemed invalid.

The function of the Handy Milk Warmer has been optimised for use in cylindrical containers with an average diameter of max. 22 cm and for volumes of liquid of up to 10 litres. In the event of any deviating conditions, a longer heat-up time may be required and there may be temperature deviations. The Handy Milk Warmer device cannot be used as a temperature measurement device.

3. Safety instructions

CAUTION!

Hot surfaces and defective connection cables. Risk of burns, electrical shock, fires and short circuits.

- Do not place device on objects or surfaces that are sensitive to heat.
- The surface of the heater will still be hot when the device is switched off! Do not touch the heater or place it on heat-sensitive surfaces.
- Ensure that the container for the liquid to be heated is made from a heat-resistant material.
- Only operate the device in the liquids it is intended for.
- Do not allow electrical supply cables to come into contact with hot surfaces, heat, oil or sharp edges.
- Do not pull on the electrical supply cable to unplug or transport the device. Hang up electrical supply cable on the integrated cable holder (5) when the device is not in use.
- Do not exceed the maximum immersion depth! (“max” position, see page 13)
- Never go above the minimum immersion depth! (“min” position, see page 13)

Risk of physical injury and material damage if used incorrectly!

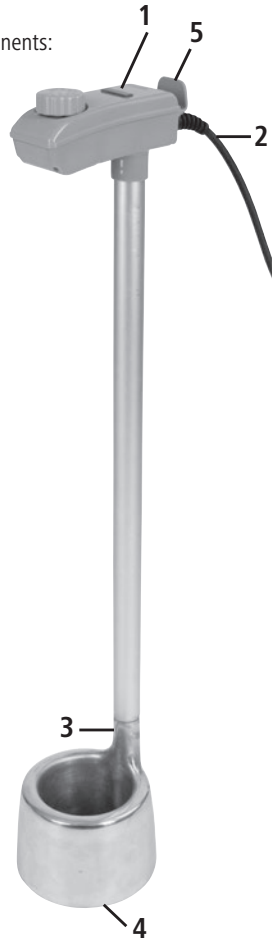
- Ensure that the device is only used by people who have the professional skills required to do so.
- Ensure that the voltage specified on the type plate matches the voltage of your power source.
- The device may only be connected to mains sockets which are isolated separately via a 30 mA circuit breaker (FI).
- Do not use any multiple sockets. This is a very powerful high performance device.
- Before each use, check that the device and the power cable in particular are in good condition. Do not operate the device if a component is defective.
- Repairs may only be performed by a qualified electrician or the manufacturer.
- Never operate the device without supervision.
- Always keep the device in a safe, dry place out of the reach of children.
- Never remove the device type plate and replace it where necessary.

- National and international safety, health and occupational safety regulations must be observed and complied with.
- The handle section and supply cable should not come into contact with the liquid being heated.
- When the device is switched on, the liquid to be heated may not be touched.
- Disconnect the device from the power supply before removing from the liquid being heated.
- This device can be used by children eight years (8) and older and by individuals with impaired physical, sensory or mental abilities or those with insufficient experience and/or knowledge to do so if they are being supervised or have been trained on the safe use of the device and understand the underlying hazards. Children may not play with the device. Cleaning and user maintenance may not be performed by children without supervision.
- Do not operate the device near explosive substance or atmospheres at risk of explosion
- Regularly check the device for leaks (seals, cable conduits and screw attachments). Neglecting this check can result in significant danger.
- The device must not be operated via an external timer or a separate remote action system.

4. Setup of the device

The device comprises the following components:

1 Control unit
2 Connection cable
3 Immersion pipe
4 Heater with integrated temperature probe
5 Cable holder
6 Control dial
7 Control light



5. Operation

Before using for the first time

Before first use, thoroughly clean the surface of the heater (4) with lukewarm water. Inspect the device for visible defects. In particular, you should check the power cable (2), the housing cover bolts as well as the connection of the immersion tube (3) to the heater (4).

Before switch-on

Before connecting the plug to the socket, place the device in the liquid to be warmed. Note the maximum and minimum immersion depth of the device. This is marked on the immersion tube (3).
Ensure that the bucket or the container with the liquid to be heated stands securely on level and stable ground, so as to prevent the device from falling over.

Heating the liquid

1. Turn the control dial (6) to the desired setting.

   When heating approx. 10 litres of liquid in cylindrical containers with an average diameter of approx. 22 cm (e.g. Calf Feeding Bucket), the following temperatures are reached:

2 = approx. 20 °C
4 = approx. 40 °C
6 = approx. 55 °C
8 = approx. 65 °C
10 = approx. 80 °C

2. Connect the power cable (2) to the socket. The device begins to heat.

   The red check light (9) indicates whether the heating element is actually heating.
   - Check light on: the heating element heats.
   - Check light off: the heating element does not heat.

   The heater switches off and the control light goes out upon reaching the target temperature.

   Note:
   - The heating duration depends upon several factors such as the initial temperature of the liquid, the set target temperature, the ambient temperature, the amount of liquid, and the shape and insulation of the container.
   - To bring larger amounts of liquid to a uniform temperature, the liquid must be circulated manually if necessary.
   - The red check light (7) indicates whether the heating element is actually heating.

If the Handy Milk Warmer device continues to be left in the container, the liquid will be re-heated again when the temperature drops so as to ensure that the pre-set target temperature is maintained (heat retention mode).

Switching the device off
To switch off the device, turn the control dial (6) to the "0" setting and then pull the connection cable out of the socket.

CAUTION!
Risk of physical injury and material damage if used incorrectly!
The surface of the heater will still be hot when the device is switched off!
Do not touch the heater or place it on heat-sensitive surfaces.

Tip: The device should be placed in cold or warm water immediately after use.
This facilitates cleaning of the heater and the heater cools down evenly.

6. Cleaning

CAUTION!
Risk of physical injury and material damage if used incorrectly!
Disconnect the power cord and let the heater cool down before you begin cleaning.

The device must be cleaned after each use.
The device should be placed in cold or warm water immediately after use. This facilitates cleaning of the heater. The heater can be cleaned using a soft sponge cloth (do not use scrubbing brushes, wire brushes, wire wool or other abrasive cleaning tools) and lukewarm, soapy water. To clean the handle and the immersion pipe, use a soft, damp cloth that must be completely free of solvents (acetone, petrol, alcohol or similar).

7. Maintenance and repair
The device does not require maintenance, but should be thoroughly cleaned at regular intervals. In the event of a fault, the device must be taken out of use immediately. If a repair is required, please contact a qualified electrician or send the device for repair to the manufacturer. A faulty connecting cable should also only be replaced by the manufacturer or a qualified electrician. Only use original spare parts.

8. Technical data

Model:	Handy Milk Warmer
Type:	MWA23A; 14170-E
Output:	2300W
Voltage:	230V
Protection class:	IPX7
Weight:	4.7 kg
Height:	86 cm
Heater diameter:	16 cm
Minimum immersion depth:	13 cm
Maximum immersion depth:	75 cm
Temperature control range:	0 - 80 °C

Subject to technical modifications and amendments.

CE-/UKCA-conformity declaration

Albert KERBL GmbH hereby declares that the product / device described in these instructions complies with the fundamental requirements and other relevant stipulations and regulations. The CE-/UCKA-mark confirms compliance with the Directives of the European Union or the relevant UK legislation.

Electronic scrap

Disposing of this device after its service life is the responsibility of the operator. Please consult the valid national regulations. The device must not be disposed of in household waste. In accordance with the stipulations of the EU Directive on the Disposal of Electrical and Electronic Devices, the device can be disposed of free of charge at the local waste collection or recycling centre. Alternatively, it can be returned to retailers who offer a collection service. The proper disposal helps to ensure environmental protection and prevents any adverse effects on human health and the environment.

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