TI1916

Electric Milk Warmer From Dairy Spares Ltd

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NEW Improved Design

TH21 Electronic Test Thermometer with Stainless Steel Probe is recommended for use with Milk Warmer MW11A

MW11A Thermostatically Controlled Electric Milk Warmer

Ideal for warming calf milk and colostrum

There is no doubt calves do better on warm milk. They grow faster and are less susceptible to disease, a fact alone that makes the milk warmer an essential piece of equipment.

The milk warmer will heat:
15 litres of water from 15 C to 37.5°C in approximately 10 minutes.
75 litres of water from 15 C to 37.5°C in approximately 1 hour.

Simply immerse the milk warmer to the correct depth (described overleaf), set the thermostat to the desired setting and connect to a suitable electrical supply.

The milk warmer is easy to use, stable, has a rigid stainless steel shaft and can be suspended in the liquid using the optional suspension bar. The cast iron heating element with its thermostatic control is strong, durable and the large surface area aids rapid heating. It is coated in a WBS polymer coating that is easy to clean and resistant to many chemicals including fruit acid attack.

The mik warmer has low maintenance with correct usage, cleaning and storage.

Technical Data:

Power Consumption: 2300 W	Voltage: 230 Volts AC
Maximum immersion: 900mm	Minimum immersion: 150mm
Weight: 3.3 kg	Protection: IPX7

Spare Parts:
MW13A Mechanical Thermostat

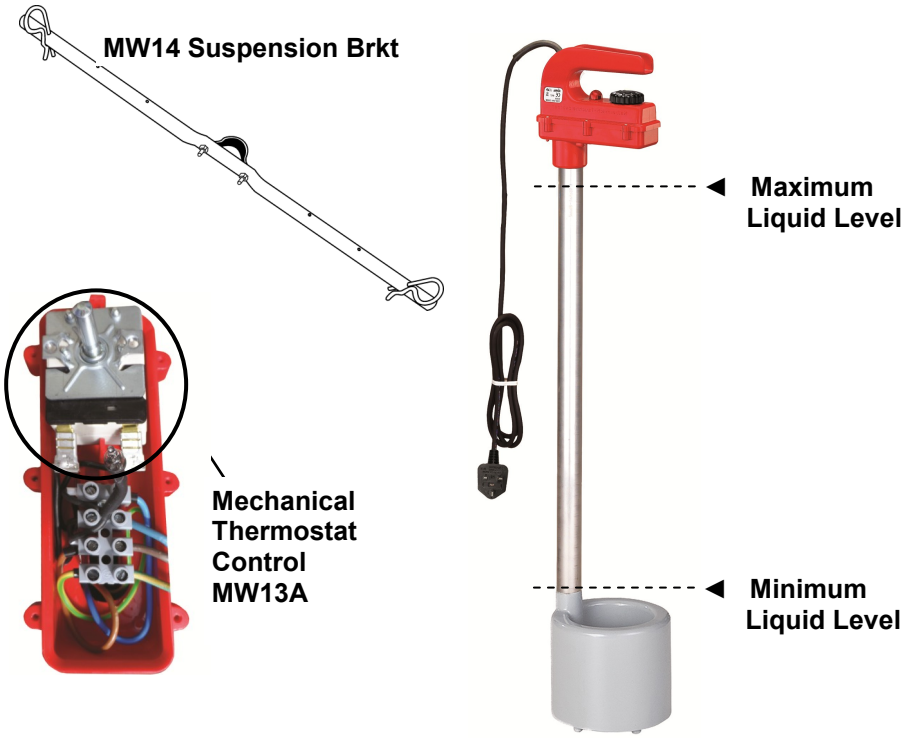
MW13A
Mechanical Thermostat Control

B1

Purpose:
The milk warmer is specifically designed for heating up milk and milk powder prepared with water; no other purpose.

Operating Instructions:

1. Immerse the milk warmer heating element into the liquid in a heat resistant container. Pay attention to the **minimum depth** and fully immerse the heating element. The **maximum depth** 25mm below the control handle must not be exceeded. For deeper containers the milk warmer can be suspended using the MW14 Suspension bracket. **Do not** suspend the milk warmer by its handle. The MW14 bracket should be positioned no higher than the maximum immersion depth 25mm below the control handle **the handle must never be in contact with the liquid.** The heating element **must always be fully immersed**.
2. Connect the milk warmer to a mains electrical outlet that has been installed by a qualified electrician, for additional safety use a 30mA RCD connector. After connecting to the milk warmer to the main electric supply, the liquid must no longer be touched.
3. **ATTENTION: Only use your milk warmer under permanent supervision**
4. Pay attention that the level of liquid does not drop below the minimum immersion depth during heating. Under no circumstances cover the milk heater or the container.



5. Set the desired temperature with the thermostat:
   Knob set to position (▼) corresponds to "off"
   Knob set to position "2" is an approximate temperature of +20°C
   Knob set to position "7" is an approximate temperature of +40°C
   While the element is heating the red control lamp light is ON.
6. When the red control lamp goes out and the desired temperature has been reached; reset the thermostat to the (▼) "off" position, the indicator light should be off. Disconnect the unit from the mains electric supply before touching the liquid and allow the milk warmer to stand for 1 minute before removing the milk warmer from the liquid.
7. The milk warmer heating element will still be hot after it has been removed from the liquid and must not be touched. Place the milk warmer on an non combustible surface to cool before storage. **Never** use or store the milk warmer near combustible materials.
8. The milk warmer has to be cleaned after each use. The bottom part of the milk warmer can be cleaned with a brush and warm soapy water. For cleaning the handle, please use a soft cloth free of any solvents (acetone, petrol, alcohol etc.).

Maintenance and repair:

- The milk warmer is maintenance-free with mechanical thermostatic control. This can be purchased as a spare part (MW13A).
- In the case of a malfunction the unit should be stopped immediately.
- If the milk warmer requires repair, consult a qualified electrician.
- A defective connecting cord must only be replaced by the manufacturer or a qualified electrician.
- It is recommended that your Milk Warmer is used in conjunction with a thermometer (TH21) to monitor the temperature of the milk.
- Each unit has an unique Batch No. This can be found on the Warranty Card inside the box.
- The following results have been achieved by putting the thermostat to maximum:

Thermostat Knob

Time taken to heat 15 litres of water

15°C Initial Water Temperature	25°C Ambient Air Temperature
20°C After 3.04 Min	35°C After 9.05 Min
25°C After 5.06 Min	37°C After 10.2 Min
30°C After 7.02 Min	40°C After 11.0 Min

Time taken to heat 75 litres of water

15°C Initial Water Temperature	20°C Ambient Air Temperature
After 15 Min 21.5°C	After 55 Min 37.5°C
After 30 Min 27.5°C	After 60 Min 40.4°C
After 45 Min 34.0°C	After 90 Min 50.0°C