

Operating Instruction Manual

Milk Boiler (Milk Urn)

E24890(SL3) · MK4 and Later

PRODUCT REFERENCE

E24890(SL3)

SL3 Electric Milk Boiler with Low-Level Protection

Thank you for purchasing the Basterfield Milk Urn. This manual aims to provide a brief overview of operation of the unit as well as key steps to follow for maintenance and care.

Document reference
E24890(SL3)(OIM)

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USING THIS MANUAL

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01 Introduction

The E24890SL3 series of heated milk urns works with the “double jacket” system, in which the milk container is suspended in a hot water jacket.

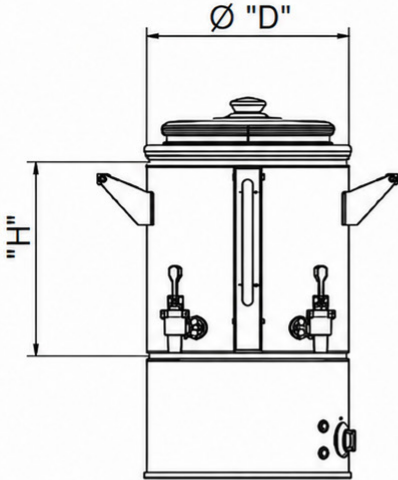
A simmerstat energy regulator keeps the water at the desired temperature. Use the regulator knob to set the desired setting for the temperature required. The regulator knob can also be used to switch the appliance on and off.

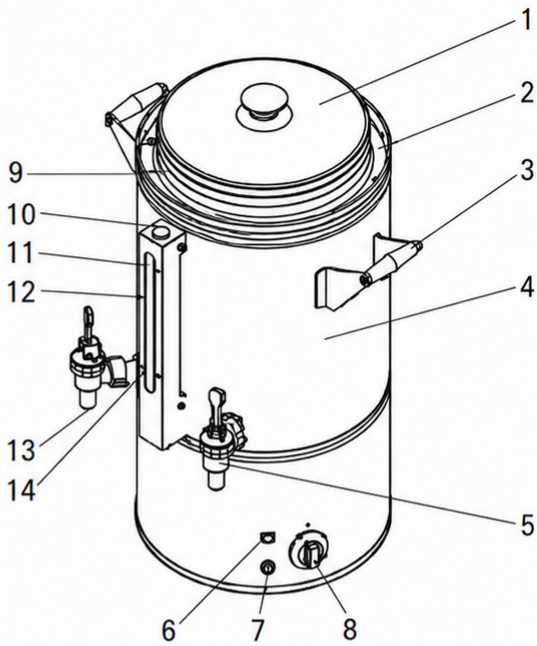
It is important that the water jacket be kept filled to the correct level, this can be checked with the sight glass level gauge.

The milk urn is fitted with a low water level protection system which ensures that, when the water level reaches a pre-set low level, the electrical supply to the element is cut off thus preventing the element from burning out.

Product information refers to MK4 milk urns and later.

02 General Information

URN SIZE TABLE			
			
Product Codes	Diameter "D" (mm)	Height "H" (mm)	Volume (L)
E2490SL3002	200	190	2L
E2490SL3005	250	290	5L
E2490SL3010	300	290	10L
E2490SL3015	300	380	15L
E2490SL3020	350	355	20L
E2490SL3025	350	438	25L
E2490SL3030	350	500	30L

IMPORTANT URN PARTS	
	
Item	Part
1	Milk Container Lid
2	Jacket Water Inlet Gulley
3	Side Handle
4	Water Jacket
5	Water Tap
6	Power Light (Red)
7	Low Water Level Warning
8	Energy Regulator/On-Off
9	Milk Container
10	Sight Glass Tube Cap
11	High Water Level Mark
12	Sight Glass Cover
13	Milk Tap
14	Low Water Level Mark

Milk urn sizes and main components.

03 Safety

It is imperative to always follow the safety instructions as they are vital for ensuring your safety and the safe use of your equipment in all situations.

04 Safeguards & Precautions

When using milk urns, basic safety precautions should always be followed:

- Read all instructions.
- The appliance becomes very hot when in use. Do not touch hot surfaces. Use handles and pot holders.
- Do not move the appliance when it is filled with milk and hot water (in the water jacket).
- Do not place the milk urn in a heated oven.
- Milk is a perishable product, it should not be left in the milk container longer than necessary.
- The milk container and all components in contact with milk should be thoroughly cleaned after use.
- Do not use milk boiler for other than the intended use.
- The appliance must never be immersed in water.
- Adhere to local regulations and standards when installing the appliance.
- This appliance is used for boiling milk and water. Improper use may result in scalding injury.

05 Operating Instructions

Please take a moment to thoroughly read through the operating instructions.

To operate your Basterfield milk boiler the following steps are to be followed:

1. Fill the water jacket that surrounds the milk container by means of the water inlet gully at the top of the milk urn. The water level can be observed by using the sight glass that is situated at the front of the milk boiler.
2. Fill the milk container to the desired milk capacity required. Use the dip stick to measure the milk volume.
3. Plug your electrical cable into your wall socket and turn on at wall switch. Power is off when the energy regulator is set to “0”.
4. The pilot light indicates that the power is on when the energy regulator switch is set at positions ranging between “1” and “6”.
5. To start operating, boil water and milk simultaneously by setting the energy regulator switch to position “6”.
6. It is recommended that you set the regulator/selector switch to “6” allowing the water to boil and milk to heat and then once the milk has reached the desired temperature, reset the switch to a lower setting either at position “1” or “2” to maintain the water just below boiling point to save energy.
7. The water in the water jacket has to be topped up periodically during normal daily use and this can be checked by means of the water sight glass at the front of the milk boiler.
8. The milk urn is fitted with an economy simmer switch which gives you infinitely variable boiling times. The simmer switch enables you to keep your water hot whilst saving you on electricity.

9. The milk boiler is fitted with a low water level protection system which ensures that, when the water level reaches a pre-set low level, the electrical supply to the element is cut off, preventing the element from burning out.
10. In the event that the heat cycle indicator light is not illuminated it means that either the simmerstat switch is in the cooling cycle or there is insufficient water in the milk boiler's outer jacket. Should this light not be illuminated and the milk boiler is not heating up, then fill the water jacket to the required level with water. The heat cycle indicator light will turn on automatically and the heating element will be activated.

06 Cleaning

Carry out the following instructions:

- Never submerge the appliance in water or clean the appliance by means of a water jet.
- Always empty the appliance before removing any sight glasses, otherwise there is a risk of burning your hands.
- Only clean the appliance by using detergent, descaler and disinfectant products recommended by the manufacturer.
- Never leave the appliance unattended during cleaning.
- Always remove any spilled cleaning product as soon as possible to prevent damage.
- Always wash your hands after handling any cleaning products and after the cleaning process is complete.
- Do not immediately operate the appliance after the cleaning process is complete as there might not be water left in the appliance. Always follow the procedure for first time use of the appliance.
- There are no user-serviceable parts inside. Covers that are only removable with a tool may only be removed by authorized personnel.

07 Daily Cleaning Instructions

At the end of the daily shift, the milk in the milk chamber will need to be drained out, and the chamber as well as the piping to the valve would need to be flushed out with hot water and a sterilizing product to avoid any bacterial growth.

08 Periodic Cleaning Instructions

- Once a week the plastic milk tap must be removed and the rubber bung and inner components need to be cleaned.
- Clean the sight glass tube with the small pipe brush from the cleaning kit (available upon request).
- It is recommended that every few weeks depending on the amount of service, that you use a descaler (see descaling procedure) to clean out the scale on the inside of the water chamber.

09 Descaling Procedure

Regular descaling is necessary to ensure scale does not build-up within the outer jacket. Scale build-up can reduce the longevity of the electrical components and risk failure. To descale the unit, follow the below steps:

1. When water has boiled, SWITCH URN OFF & DISCONNECT POWER (the descaling powder will corrode the element if the unit is heated during descaling).
2. Tap off 1 L hot water from the jacket, and mix a portion of the descaling compound (1-3 dessert spoons per litre^{***}) as recommended by descaler manufacturer for the water jacket volume.
3. Add mixture to water in the milk boiler jacket.
4. Tap off another jug of water and pour back in the top of the water jacket and repeat to ensure that the descaler solution is properly mixed.
5. This ensures that the descaling powder is well distributed throughout the jacket of the boiler. Leave for 15 minutes.
6. Empty the water jacket and refill with cold clean water. Assess the discarded solution. If it is very dirty you will need to repeat the descaling process until the jacket is clean. Refill again with clean cold water, boil until warm, then drain.
7. Refill jacket with clean water and operate as normal.

10 Descaling Compound

Carbro “Kettle & Steam Iron Cleaner” is available in 120 g boxes from supermarkets.

^{***} We have found that the manufacturer’s recommended dosage can be adjusted to suit the water quality of your particular area. It is important to monitor the discarded solution after processing to determine the strength of the descaling solution required and the frequency of descaling necessary.

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