

MEFE
MITCHELL ENGINEERING
FOOD EQUIPMENT PTY LTD

Instruction Manual



Scalding Tank

CAT 103 70—70L Tank

CAT 103 120—120L Tank

Revision 3

Attention

This scalding tank can get to temperatures capable of burning and causing serious personal injury. Please be cautious when using the scalding tank and do not touch it at any time during operation. Wait for the unit to cool down after use.

Appropriate warnings and signage should be placed around the unit to avoid any unnecessary risk.

Any repairs to this unit must be performed by a licensed and qualified person.

Please keep this instruction manual nearby the unit and ensure any users are familiar with the correct safety and operation procedures.

When not in use, please disconnect the machine from power.

NOTE: Scalding is a critical step in processing and requires experience to ensure the scald is correct. Too long, and the skin may tear. Too short, and the feathers will stick.

Cleaning

Do not rinse the scalding tank with water directly as this may cause oxidization damage. Clean the surface of the tank periodically with appropriate Stainless Steel surface cleaners.

Pre-operation

1. Place the scalding tank on an even and stable surface.
2. Ensure there is adequate ventilation to the machine.
3. Confirm power supply corresponds with the scalding tank requirements.
4. Before use, check the machine for any visible loose parts.

Operation Instructions

NOTE: Before using this scalding tank you must completely bleed out the bird, after bleeding ensure you scald and pluck feathers immediately.

1. Fill the scalding tank with water up to the 1/2 mark (higher if required for the bird) and turn the thermostat to zero.
2. Turn on the power supply: the power indicator light should be yellow. Set your required temperature. Once the heat indicator turns green, the water is starting to warm and will continue until it reaches your desired temperature as indicated by the thermostat. At this point, the green indicator light will turn off.
3. The thermostat will automatically return the scalding tank temperature to the set level if it cools down during the procedure, as indicated by the green heat indicator light.
4. Immerse the bird in the scalding tank and agitate it slightly to see if feathers come loose. If they can be pulled, scalding is complete. If not, briefly immerse the bird again.
5. Be cautious not to immerse the bird for too long, this will damage the skin of the bird and cause the temperature to fall faster, requiring more power to keep the water at temperature.
6. After a period of time, the water heat level will fall and cannot be sustained. Stop, turn the thermostat to zero, and shut down power.

Scalding Temperature Table

NOTE: Different birds will vary slightly so be prepared to adjust accordingly with temperature and/or time as recommended.

Poultry	Scalding Temperature (°C)	Scalding Time (seconds)
Chicken	60-65	70-90
Duck	63-66	160-180
Geese	70-72	120-130
Pheasant	60-67	70-90
Turkey	51-54	80-95

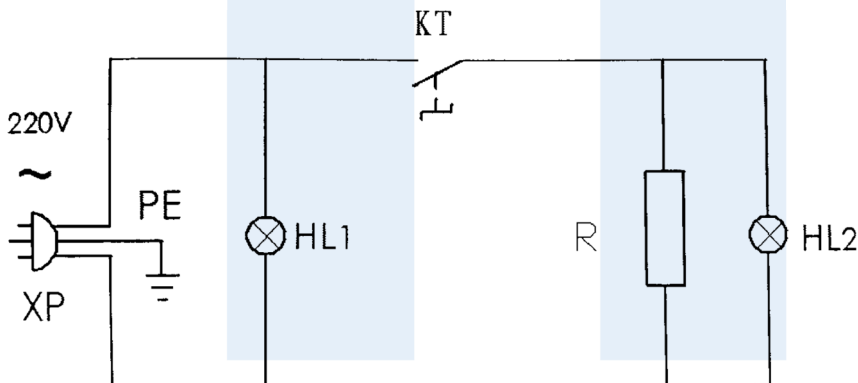
Specifications

Model	Voltage	Frequency	Power (W)	Capacity	Dimension (mm)	Net Weight (kg)	Power (kW)
CAT 103 70	220-240V	50-60 Hz	1800	70L	450 x 350 x 640	19.6	1.8
CAT 103 120	220-240V	50-60 Hz	3000	120L	600 x 500 x 600	28.5	3

Troubleshooting


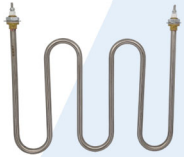


Failure	Cause	Solution
Power indicator is not on	No power to the machine	Check and confirm power supply
Heating indicator is on but the temperature will not increase	1. Loose connection on the electrical heating tube 2. Heating element is damaged	1. Fasten the two terminals between the electric heating tube and the screw 2. Replace the element
Power indicator is on but the temperature will not rise	Thermostat is damaged	Replace the temperature thermostat
Thermostat is normal but	Indicator damaged	Replace the indicator

Electrical Diagram



XP	HL1	HL2	KT	R
Power Plug	Power Indicator Light	Heat Indicator Light	Thermostat	Heating Element

Exploded Diagram and Parts List

No.	Part No.	Item	Image
1		Top Cover	
2		Poultry Basket	
3		Water Tank	
4A	66 103 4A	Heating Element 70L	
4B	66 103 4B	Heating Element 120L	
5	66 103 5	Heating Element Cover Plate	
6	66 103 6	Water Faucet	
7	66 103 7	Rubber Foot (x4)	
8	66 103 8	Heat Indicator—Green	
9	66 103 9	Cable	
10	66 103 10	Thermostat	
11	66 103 11	Power Indicator—Yellow	
12	66 103 12	On/Off Switch	
13		Electrical Box	

