



## 2.5 Gallon Paraffin Dispenser



### Model XH-4002

## Operating Manual

Before using this product, please read this manual carefully to learn about the available features to obtain the best results of this equipment.

**Warning:** To prevent fire or shock hazard, do not expose this unit to rain or moisture. Unless labeled otherwise, this equipment should be used with AC 110V, 60Hz in the USA or Canada.

220V, 50Hz available as Model No. **XH-4002-220**

**Caution:** No user-serviceable parts inside. Refer servicing to qualified service personnel

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## 2.1 Safety

**Before using the paraffin dispenser, please read this instruction manual carefully. Incorrect or inappropriate use may result in equipment damage or personal injury!**

This paraffin dispenser is designed for melting paraffin and dispensing the paraffin. The sole purpose of this Paraffin Dispenser is for histology use along with research, instruction, and experiments in universities and technical secondary schools. The Paraffin Dispenser is not recommended for any other uses than the ones described below in this user manual

When the paraffin dispenser is on, please keep an area of about 12 inches around the paraffin dispenser clear while operating it.

To avoid injury to personnel, do not use the following materials in the paraffin dispenser:

- Flammable and explosive materials
- Strong chemical materials
- Toxic or radioactive materials

## 3.1 Contents

Number	Name	Qty	Note
1	Paraffin Dispenser	1 set	
2	Lid	1 pc	Includes portal for thermometer
3	AC Power Cord	1 pc	
4	Rubber Stopper	1 pc	Replacement part for inside of spigot
5	Plastic Drip Tray	2 pc	
6	Operating manual	1 pc	

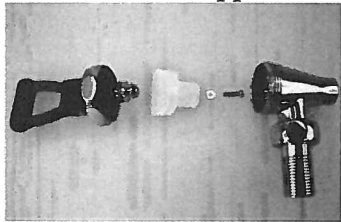


Upon receipt, please examine the package, if there's anything wrong, please kindly contact your dealer promptly.

## 3.2 Accessories

Each unit is equipped with a replacement rubber stopper (described below).

If you need replacement parts, please contact our company or authorized dealers.

Name.	Notes
<p>Rubber Stopper</p> 	<p>If spigot leaks excessively (some drips are normal), <b>turn unit off</b> and check for damage to this stopper (see below) and replace if needed.</p>

**Replacement steps:** Twist spigot head counter clockwise until it separates. Unscrew Philips head screw connecting the rubber stopper to spigot head. Pull rubber stopper until stopper pops off. Replace with new stopper, screw Philips screw in and reattach spigot head to base.

## 4.1 Specifications

Function/ Parameter	Technical Data
Environment of use	<ul style="list-style-type: none"> <li>• Clean, dry and ventilated</li> <li>• Stable work surface</li> <li>• Relative humidity: ≤80%</li> </ul>
Ambient Temperature	<ul style="list-style-type: none"> <li>• +5°C~40°C</li> </ul>
Power	<ul style="list-style-type: none"> <li>• 1060W</li> </ul>
Applicable Voltage	<ul style="list-style-type: none"> <li>• AC110V 60Hz</li> </ul>
Heating Range	<ul style="list-style-type: none"> <li>• Room Temperature up to 100°C</li> </ul>
Setting Time Range	<ul style="list-style-type: none"> <li>• 1-999min</li> </ul>
Maximum Capacity	<ul style="list-style-type: none"> <li>• 2.5 Gallons (9 Liters)</li> </ul>
Dimensions (machine)	<ul style="list-style-type: none"> <li>• 15½ x 14 x 17½ in. (40 x 36 x 44cm.)</li> </ul>
Net Weight	<ul style="list-style-type: none"> <li>• 35 lbs.</li> </ul>
Dimensions (package)	<ul style="list-style-type: none"> <li>• 20 x 17 x 22 in. (50 x 44 x 55cm.)</li> </ul>
Gross Weight	<ul style="list-style-type: none"> <li>• 44 lbs.</li> </ul>

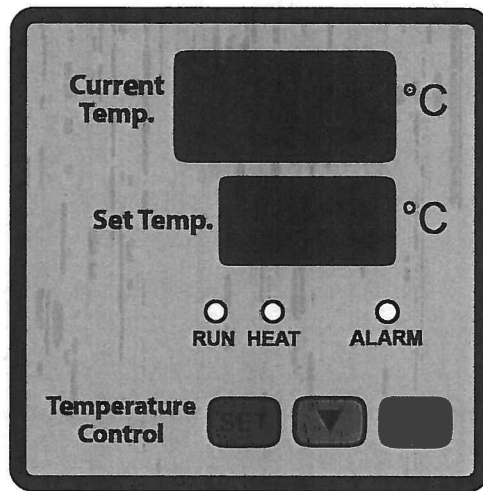
## 5.1 Notes of operation

- Prior to use fill the Paraffin Dispenser with solid paraffin at least halfway full.
- Be careful with faucet as it will be hot due to absorbing of heat
- Always unplug paraffin dispenser before cleaning or moving it.
- Avoid using any type of instrument, tool or chemical that can scratch or damaged inside of the paraffin dispenser.
- Use only with accessories provided or parts designed specifically for use with this model.
- Having liquids near or in contact with power supply may cause electrical shock.

## 5.2 Setup

1. Open box and remove paraffin dispenser from packaging.
2. Place paraffin dispenser onto flat surface.
3. Plug AC power cord firmly into back of unit, and connect to power supply.
4. Before first use, turn on paraffin dispenser and hold down the ▼ button for five seconds or until “RUN” indicator light (see section 6.1) begins to flash. Wait for an hour to allow unit to self-calibrate to your environment, and your paraffin dispenser is ready for use.
5. Retain the shipping carton and packing materials in case unit ever needs to be shipped for warranty repair.

## 6.1 Control Panel



Control Panel

Current Temp : Actual Temperature

Set Temp : Desired Temperature/Time display in minutes

Run: Unit is working

Heat: Unit is heating

Alarm: Malfunction/overheat

SET: Set Time/temperature

▲ ▼ : increase/decrease speed /time

## 6.2 Spigot Temperature Dial

A separate heater for spigot is controlled by dial located on back of unit. Factory setting of dial is 7.5. If this setting is too low spigot will barely dispense or not at all. Adjust the dial (on the back of machine) to setting of 7.5 prior to use if not already at this setting.



# 7.1 Operation

## Temperature Adjustment

1. Turn on power switch. Push the “SET” button once (unit will read “SP”). Use the “▲” or “▼” to increase or decrease the Temperature setting. Once unit is set to desired temperature, push the “SET” button twice until unit reads in Degrees. The 3 digit number beside the word “CURRENT TEMP.” and “SET TEMP.” should be lit in the display panel (see section 6.1). If the display is not lit, check AC power cord in back of unit.

## Time Adjustment

1. Push the “SET” button twice time (unit will read “St”). Use the “▲” or “▼” to increase or decrease the Time setting. Once unit is set to desired time, push the “SET” button once until unit reads in Degrees. The 3 digit number beside the word “CURRENT TEMP.” and “SET TEMP.” should be lit in the display panel (see section 6.1). If the display is not lit, check AC power cord in back of unit.

## Heating Paraffin

Now that the desired temperature and time are selected, put paraffin inside unit. Unit will begin to heat up and paraffin will begin to liquefy. Place plastic tray (included) under spigot to catch any drips. Once paraffin has completely melted (do not dispense unless it is almost or completely melted), dispense by holding spigot handle down and liquefied paraffin will begin to pour. Spigot can dispense without the holding of it by turning spigot counter clockwise and pushing it down (locking it in dispense form). **WARNING:** Do not leave unattended while paraffin is dispensing.

If any trouble dispensing (solid wax build up in spigot) adjust the temperature control dial on back of unit (see section 6.2) to increase by .5 or 1 and wait 5 to 10 minutes before attempting to dispense. If wax still not flowing freely, increase temperature dial setting – increase no more than 1 setting at a time until wax is flowing through spigot satisfactorily.



*Upon receipt of your product*

*we recommend you record the following information for future reference:*

**Date purchased/received:** \_\_\_\_\_

**Dealer:** \_\_\_\_\_

**Dealer's phone number:** \_\_\_\_\_

## **Warranty**

The manufacturer warrants this instrument to be free from defects in material and workmanship under normal use for 1 year from the date of purchase. It does not cover damage resulting from abuse or misuse, repairs or alterations performed by unauthorized repair technicians, or damage occurring in transit. If you have questions concerning this product or warranty, contact the dealer from whom it was purchased. For warranty service, product should be well packed to avoid damage in transit, preferably in original box and packing. Include your complete return address and telephone number as well as a description of the difficulty, date and place of purchase, and ship to the address below. If under warranty it will be repaired or replaced at no charge and returned. If misuse, alterations, accident or abnormal conditions of operation caused failure, an estimate for repairs will be provided for your approval prior to work being performed.

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