

Instructions manual

Wax cappings spinner



LYSON  N

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The manual covers following devices (codes):

W4800

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The photos are for reference only and may occasionally differ from the actual appearance of the device.

1. General safety instructions

Before first use read the manual carefully and follow the instructions contained therein. The manufacturer is not liable for damage caused by equipment used inappropriately or by incorrect handling.

1.1. Intended use

1. The spinner is intended for separating honey and wax cappings.
2. Before first use the device must be thoroughly cleaned and dried.
Clean with hot water using detergents allowed in food industry using a soft cloth.



1.2. Bezpieczeństwo elektryczne

1. The electrical supply system must be fitted with a residual-current circuit breaker with rated tripping current not higher than 30mA. Performance of the circuit breaker should be checked periodically
2. Periodically check the condition of the power cord. Replace the power cord if damaged. Replacing the power cord can only be performed by the manufacturer or by qualified personnel.
Do not use the device if the power cord is damaged!
3. Make sure that the main switch is in „0” position before plugging the unit in..
4. Make sure that the nominal voltage of the device and power source are compatible. Connect to a grounded socket only.
5. Carefully connect the plug into the mains socket. Make sure your hands and the floor surface in the room are dry!
6. The cover must be closed during operation! Do not open the cover during dehydration process.
7. Do not move the spinner during operation.
It is recommended to fix the device permanently to the ground.
8. Do not pull the power cord.
Keep the power cord away from heat sources and sharp edges to ensure its good condition.



1.3. Operation safety

1. The device is not intended for use by persons (including children) with limited physical, sensory or mental abilities, or by inexperienced users, unless under supervision or with instructions given by an accountable party.
This device is not a toy, and shouldn't be used as one. Children should not to play with it.

2. In the event of damage to the device, to avoid any health and safety risks, repairs should be carried out only by qualified personnel.
3. Never carry out any maintenance or repairs during operation or if the device is plugged in!
4. All covers must be firmly attached to the device during operation
5. Do not use or store the device at the ambient temperature below freezing. If the device has been moved from a cold room to a room with a higher temperature, before switching on wait until it reaches room temperature.
6. To avoid excessive vibrations make sure to evenly distribute the load in the spinner's basket.



Never carry out any repairs during operation



Do not remove covers during operation

2. Instructions of use



2.1. General operation rules

1. Set the device up in a designated, clean, dry and well lit room.
2. Keep a free space around the device for better handling.
3. Fasten the device to the ground (recommended) to avoid it moving during operation.

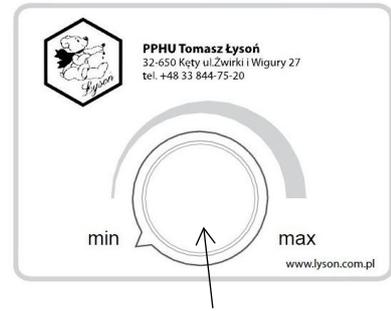
2.2. Preparation for use

1. The device has to be cleaned before the first use and after finishing work according to the instructions in the "Cleaning and Maintenance" section.
2. Before start:
 - place a container under the open drain valve "10" into which honey will flow
 - distribute the wax load evenly in the cylindrical sieve "8" (it is possible to put it directly into the stainless steel basket without using the cylindrical sieve)
 - close the cover "1" and secure it with the clamps "2" (on both sides of the device)
 - insert the plug into 230V socket and on the switch the main switch "5" from position "0" to "1", **do not start the process**

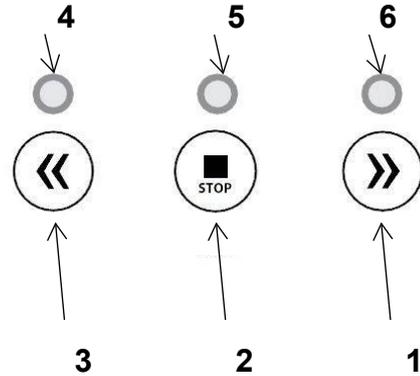


Main switch 0-1_ „5”

- start the controller as described in section 2.3.
- the spinning process should be started at a slow speed of the basket and gradually increased in order to avoid strong vibrations
- in the event of heavy soiling of the cylindrical sieve which may cause difficulties with separating honey and wax, the controller should be switched off, the sieve should be removed, cleaned and dried
- after cleaning replace the sieve in the basket and switch the controller on
- put another batch wax cappings in the basket and start the process again



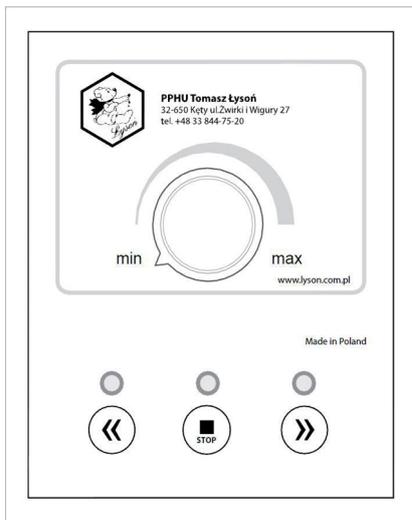
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2.3.1. Functions and buttons

No.	Function
1	START button RIGHT. Press the button to start the spinner in continuous operation mode. Pressing the STOP button (2) to stop the process
2	STOP button. Press the button button stop the process and enter the stand-by mode.
3	START button LEFT. Press the button to start the spinner in continuous operation mode. Pressing the STOP button (2) to stop the process
4	LED indicating the “left” spinning direction
5	LED indicating the stand-by mode of the device. Flashing diode indicates that the safety loop is engaged.
6	LED indicating the “right” spinning direction
7	Speed adjustment knob (range 0 - max). Setting the speed to 0 does not switch off the device

2.3. Controller



Operation of the controller is limited to switching the motor on with the button 1 (clockwise) or 3 (counter-clockwise) with user-defined rotation speed set by the knob 7.

2.3.2. Controller settings

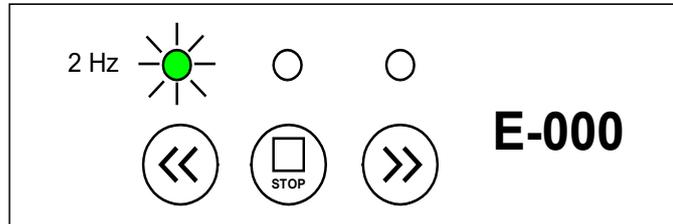
After switching the power on, the controller performs a start-up sequence – conducting several basic diagnostic tests to confirm the correct operation of the device. Detection of errors is indicated by the flashing LED 4 and an appropriate combination of LEDs 5 and 6 lighting up. If no errors are detected the controller enters the stand-by mode – waiting for the user's input. Operate the device by starting the process using button 1 or 3. To stop the process press the STOP button. The cycle starts again after button 1 or 3 is pressed. Detection of the safety loop engagement (i.e. emergency STOP button) causes immediate switching off of the motor. Release the safety loop (turn the emergency STOP button to the right) to return to the operational state.

2.3.3. Error codes

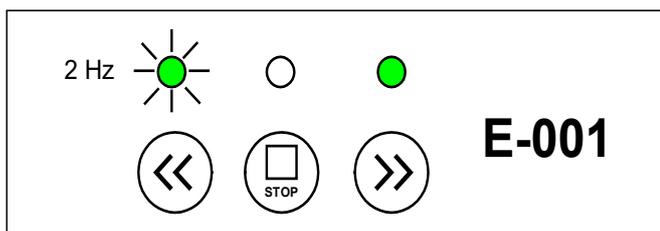
The controller is equipped with diagnostic procedures – increasing safety and comfort of working with the device.

Error indication

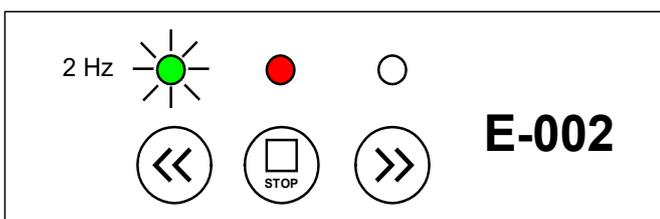
- errors are indicated by the appropriate combination of 4, 5, 6 LEDs
- detection of error causes immediate stopping of the device
- to restart the controller: switch off the power supply, remove the error source and switch on the power supply again
- switching off the power supply clears the error memory



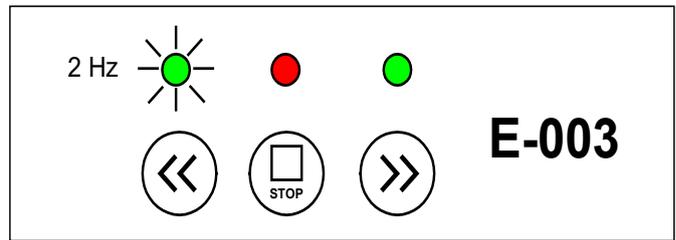
INTERNAL CONTROLLER FAULT



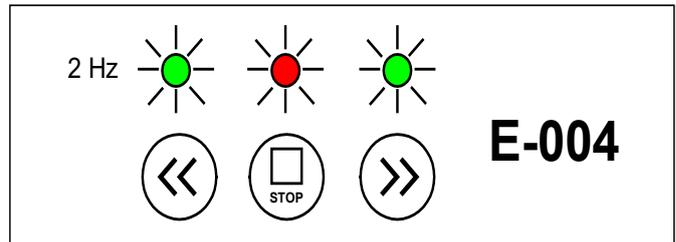
PRESSED/FAULTY „LEFT” BUTTON



PRESSED/FAULTY „STOP” BUTTON



PRESSED/FAULTY „RIGHT” BUTTON



SAFETY LOOP FAULT – ENGAGED EMERGENCY SWITCH

3. Product description

The spinner is a device intended for the recovery of honey that remains in wax cappings after frame uncapping process. The device's basket is made of perforated metal sheet with a 1 mm mesh. Two 400 mm in diameter cylindrical sieves are included in the set. Simple-to-operate controller allows for smooth adjustment of rotation speed. The device is equipped with vibration dampers that greatly limit vibrations generated during operation of the device. The cover of the spinner is fitted with 2 locking clamps and an emergency switch which triggers the safety loop in the event of opening the cover during operation.

3.1. Design

Elements:

1. cover
2. clamp (both sides)
3. spinner's drum
4. vibration damper
5. main switch 0-1
6. emergency switch
7. controller
8. perforated basket with sieves Ø400mm
9. cover's emergency switch
10. 2" drain valve

Fig.1

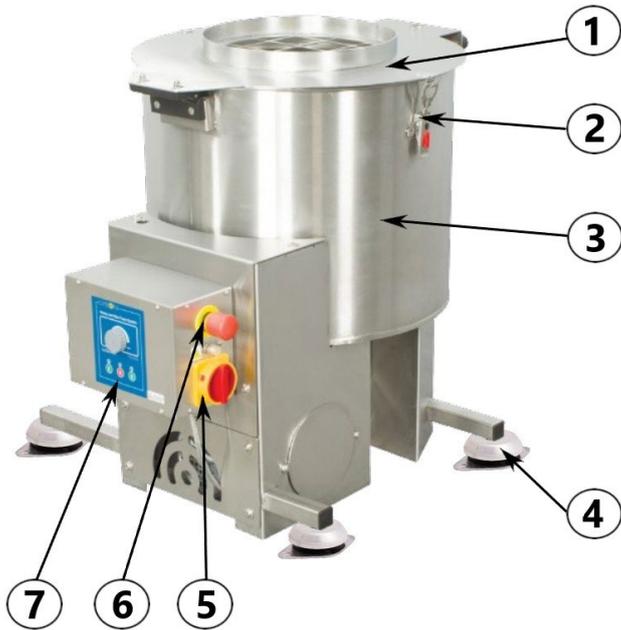


Fig.2



3.2. Technical specifications

Materials:

- 0H18N9 acid-resistant stainless steel
- perforated basket (1mm mesh)

Power supply:

Motor's power:

Valve:

Height:

Length:

Width:

2x Ø400mm cylindrical sieves included

Weight:

230V/50Hz

550W

flap 2"

710mm

820mm

600mm

Id.3166

45kg

4. Storage

Clean and dry the unit thoroughly after use.

If the device has been moved from a cold room to a room with a higher temperature, before switching on wait until it reaches the ambient temperature and all condensation water evaporates.

Store the device in a dry and frost-free room.

Do not use the device when the ambient temperature is below 5°C.

An additional technical check should be carried out periodically, and if any defects are found, please contact the manufacturer.

5. Cleaning and maintenance



Unplug the device before commencing any maintenance or cleaning procedures!

Before first use and after finishing work the equipment must be thoroughly cleaned and dried.

While cleaning ensure the safety of all electrical components like motors and controller panels (for the time of washing cover them with waterproof fabric or plastic film).

An additional technical check should be carried out before the start of the pollen harvesting season, and if any defects are found, please contact the manufacturer.

6. Waste disposal and environmental protection

The used product must be disposed in accordance with the local regulations. Return the device to a collection point from where it can be submitted for environmentally compatible recycling.

The consumer has the right to return used equipment directly to the manufacturer's distribution network, free of charge, while replacing it with a new unit as long as the used device is of the same kind and same application as the newly purchased device.

7. Warranty

The product purchased from the Lyson Company is covered by a manufacturer's warranty. The warranty period is 24 months from the date of purchase.

All purchased products come with receipts or VAT invoices.

Warranty details at:

www.lyson.com.pl