

Instructions manual

Honey separator



LYSON

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The manual covers following devices (codes):

W4850

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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 device is designed for separating wax from honey.
2. Before the first use, the separator should be thoroughly washed with hot water and a small amount of detergents approved for washing food equipment.



1.2. Electrical safety

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. Connect the device to a socket with voltage specified on the rating plate of the product.
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 device during operation.
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 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.



Never carry out any repairs during operation



Do not remove covers during operation



NOTE!!!

Do not clean using products containing ALCOHOL (causes cracks in plexiglass)

2. Product description

The bucket design honey separator is a device intended for cleaning honey from residues of wax after the uncapping process. The honey which is extracted in the honey extractor is fed to the separator through a funnel "1" installed on the side (Fig. 1), or, after the funnel is removed, through a hose connecting the honey extractor with the separator. The honey at the bottom of the device, with the use of a scoop installed on the axis of the basket, is transported to buckets where the wax residue collects on the surface, while clean honey flows into the upper gutter from which it flows down through the elbow "2" outside the separator to, for example, a settling tank. Diagram of the honey flow through the device below.

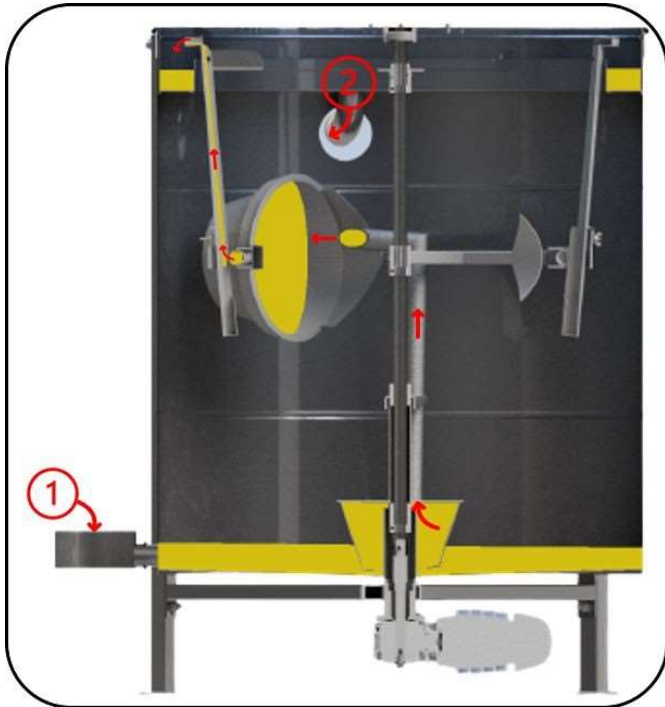


Fig. 1_Flow diagram

2.1. Design

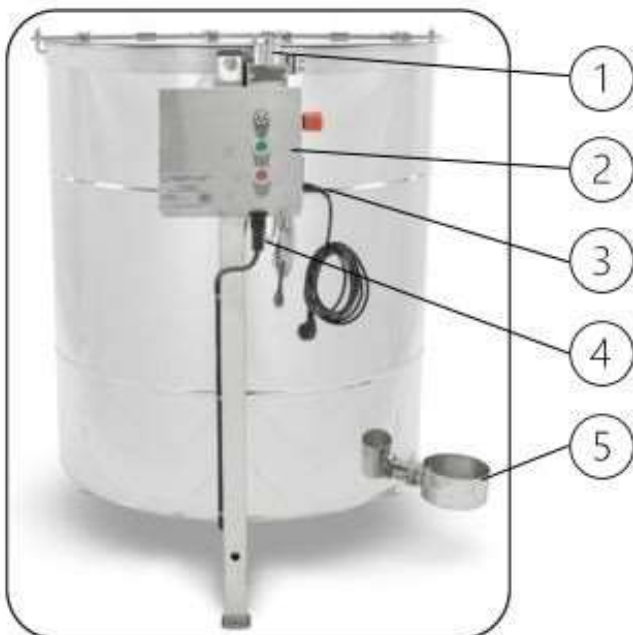


Fig. 2

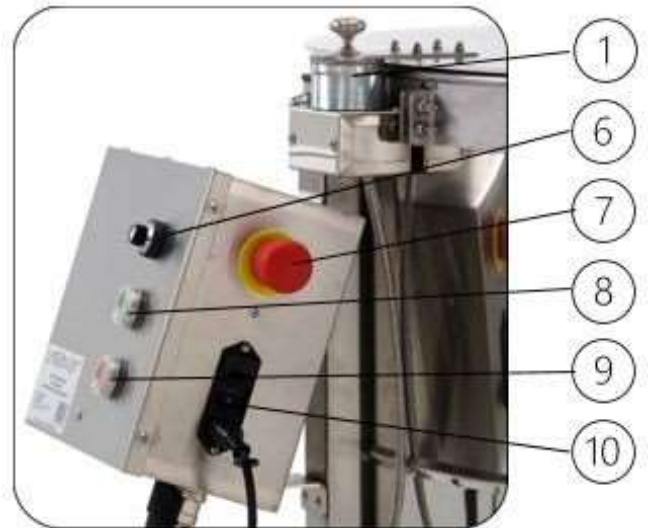


Fig. 3



Fig. 4 Honey intake funnel



Fig. 5 drain nozzle



Fig. 6 basket view

Elements:

1. Magnetic lock
2. Controller
3. 230VAC power cord
4. Motor's power supply cable
5. Intake funnel
6. Speed adjustment dial
7. Safety switch
8. START-button
9. STOP- button
10. Main switch

3. Instructions for use



WARNING!

Before starting the separator, check that the buckets are properly seated in the basket, and set potentiometer "6" fig.3 to MINIMUM!!!

3.1. General instructions – preparation for use

1. Set the device up in a designated, clean, dry and well lit room.
2. Fasten the device to the ground (recommended) to prevent it from moving during the operation.
3. The device has to be cleaned before the first use and after finishing work according to the instructions in the "Cleaning and Maintenance" section.

3.2. Operation instructions

Before start:

- check if funnel "5" (fig. 2) is positioned directly under the draining valve of the extractor
- check if buckets are well seated in the basket frame
- set the knob of the potentiometer "6" fig. 3 to MINIMUM
- put a settling container or a barrel under the drain valve
- connect supply plug "3" Fig. 2 to the supply socket
- switch on the controller "2" Fig. 2 using the main switch "10" Fig. 3 from position "0" to "1"
- after switching on the controller it is still inactive (the potentiometer does not react to changes) until the START button "8" is pressed
- leaving the potentiometer at MINIMUM (the basket does not rotate), start extracting honey from the frames and when the honey starts flowing from the honey extractor to the separator, start it by turning the potentiometer until the basket reaches appropriate speed (buckets in the basket should be horizontal)
- during extracting of frames and continuous operation of the separator pay attention to the settling tank, barrel placed under the drain valve in order to prevent overflow
- depending on the amount of contamination with residues of wax in honey, control the level of wax in buckets from time to time, stop the separator by setting the potentiometer to MINIMUM and pressing the STOP button "9" Fig.3
- if necessary remove and empty the buckets of wax residue, put them back in the basket, close the separator cover, press START and turn the potentiometer until the basket rotates properly
- after extracting all the frames and completing the separator's work set the potentiometer to MINIMUM, press the STOP button and switch off the controller with the main switch "10"-Fig. 3
- take out the buckets from the basket and wash them
- pour off the remainder of honey on the separator's bottom with the stub pipe to which the honey funnel is attached with a clamp
- wash the separator with warm water with the addition of agents having food contact certification and wipe the device dry with a soft cloth
- when cleaning, remember that the controller and the magnetic lock must be protected from water



NOTE!!!

During the operation of the separator, it is necessary to pay attention to the amount of debris and wax collecting in the buckets.

3.3. Technical specifications

- Material: OH18N9 (1.4301) acid resistant stainless steel
- Tank diameter – Ø900 mm
- Cover: PMMA, thickness 6mm
- Magnetic cover lock
- Power supply: 230VAC
- Drive motor power rating: 0.37kW
- Bottom mounted drive system
- Clutch for easy removal of the working unit (basket)
- Max rotation speed: 280 obr/min
- Adjustable speed
- Inlet nozzle: TC DN 40 (5/4") + tank
- Drain nozzle: TC DN 50 (6/4") + hose spigot 50 mm
- Dimensions: L1320, W1000, H1360 mm
- Weight: 90 kg

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).

No parts of the device require chemical conservation.

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.

IMPORTANT!!!

Wash the unit's covers with soap and water at 25°C.

NOTE!!!

Do not use cleaning agents containing ALCOHOL (causes cracks in plexiglass)



Fig. 7

The separator has the possibility of quick basket removal through the use of a clutch on its axis. After unscrewing two M8 cap nuts on the upper beam (marked with red circles), and one screw blocking the rear cover (marked with a red circle), the basket can be removed from the drum.

After the removal we have an easier access to wash the separator after the work is finished.

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