

# User Manual

## Wax Melting Centrifuge



### Specifications

#### Electronic wax melters

- voltage: 230V AC
- power: 3250W
- diameter: 520mm / 640mm
- height: 1100mm
- weight: 55kg / 65kg
- basket filling capacity: Broken and cut wax for approx. 35 / 45 great frames
- water tank: 25 / 30 litre

#### Gas operated wax melters

- capacity: 250W
- diameter: 520mm / 640mm
- height: 1100mm
  - weight: ca. 55 / 65kg
- basket filing capacity: Broken and cut wax for approx. 35 / 45 great frames
- water tank: 25 / 30 litre

#### Main parts of the machine

1. equalizer-filling tank
2. inner basket
3. skirt
4. centrifugal motor
5. connection box
6. outlet pipe
7. lid



### Commissioning

Operate the unit using safety gloves from an earthed network provided with a

Fi relay!

Top up the water level to approx. 25-29 litre via the equalizer tank placed near the centrifuge. When the water volume reaches the level necessary for the operation, the water level switch located in the small tank closes the circuit. Then connect the main plug and switch on the machine with the "heating" switch.

### Operation

The water in the tank heats up to the operating temperature within 15 to 45 minutes after the heating is switched on. This period depends on the temperature of the filled water. Check visually if the operating temperature is reached. It is when the steam starts to eject intensively from the centrifuge tank via the outlet pipe.

The continuous operation is indicated by the green signal lamp. If the lamp turns off, then the steam generation has stopped for some reason. This must be restored immediately to avoid cooling down of the device!

It is recommended to place the uncapped wax or the wax cut out from the wax into the baskets of the so-called closed centrifuges with bearings also on the top. Whole frames may be placed also into the baskets of the so-called open centrifuges without bearing on the top.

Fill up and place the basket (without extremely compacting it to allow gas to pass through it) into the headspace in accordance with its drive. Place the top of the headspace onto the axis by means of a guide roller, then fasten it with three retaining nuts. Do not over-tighten the nuts, otherwise the tank cannot be pressurised due to the open system.

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**KÖNIGIN**

The molten wax appears together with the gas flowing out through the outlet pipe after a few minutes. Collect it with a method suitable for you. Turn on the centrifuge to accelerate precipitation, however, the simultaneous loss of steam/temperature is expected which can be counterbalanced only turning off the rotation again. Operate the centrifuge only until the molten wax intensively flows out. If this process slows down, turn off the rotation of the machine until the steam re-intensifies the outflow of the wax. Repeat the process as long as this intensive dripping is achieved.

The necessary wax volume can be molten within approx. 15 to 30 minutes. The efficiency of the wax extraction largely depends on wax quality and the fed energy. After a certain period, more energy is used for the extraction than the volume of wax obtained, and then it is not worth continuing the wax melting.

- second inner basket - optional, it accelerates the process

Secondary function:

It is possible to centrifuge the honey from the frame broken or cut from the wax placed in the centrifuge basket and covered before the steam generation, and thereby part of the honey trapped in the wax can be collected via the outlet pipe. It is important to thoroughly clean the machine before use.



### **Maintenance, cleaning, troubleshooting**

Maintenance is a cleaning process, which can prevent the defects of the machine. It is essential to keep the level switch placed on the equaliser-filling tank free from obstacles and contamination also during continuous operation. Any contamination accumulated within the machines must be removed, possibly during each change of the filling. Fill up the machine, but not with hard water is possible, in order to avoid scaling (rainwater is the best).

If the machine does not rotate, then check the V-belt for its condition and the availability of the power supply. If heating does not start, then check the water level switch and whether the water column height reaches the level switch at the filling tank. If the water level is correct, and the necessary voltage is available, then the heating element might be damaged. A specialist must be requested to check it for its condition.

If you are not able to perform the troubleshooting process of the machine by yourself, contact us. We are glad to hear about your experiences regarding the operation of the machines. Your opinion is important to us, and we try to take it into consideration during our product development. Enjoy your work!