

# DANA api MELTER

## Technical Data

Capacity: 120 kg cappings

Length (inside): 99 cm

Width (inside): 49 cm

Height (inside): 34 cm (above tray)

Weight: 59 kg

Power supply: 2,65 kW /230V

Item#: 104400

Tariff code: 8436 9900



Before the machine is taken into use it is important to ensure that the machine is placed on a stable surface and the wheels are locked in order to keep it from rolling. The machine should be placed in a room with good lightning. This ensures safe and proper handling of the machine. The cord of the machine (230V) is to be placed so it minimises the chance for people stumbling over the cord during operation, cleaning and maintenance work etc. The machine is never to be left unattended during use.

-Never leave the machine unattended during use.

-Be aware of hot parts under and sometimes after operation.

- To prevent unexpected shock, please be sure to ground the device.

This device complies with the following directives:

EMC 2004/108/EC

MD 2006/42/EF

WEEE 2002/96/EF

RoHS 2011/65/EC

## General Description

The DANA api MELTER is a versatile machine usable for many different purposes. Initially developed for the gentle separation of honey and wax out of cappings wax, the machine is used for many other purposes today.

Examples for alternative usages are: melting crystalized honey out of honey combs, liquefying beeswax, liquefying honey in buckets and all other operations that need controlled and gentle heating.

The lid is built with a temperature controlled (30-110°C) heating element and a ventilator, which is managing an equal distribution of the heat through the entire melter. The bottom is built with two temperature controlled (30-80°C) heating elements (silicone heating cables).

The melter has been designed to melt approximately 100-120kg cappings per load.

**Top heater thermostat**

**Bottom heater thermostat**

## Operating instructions

To gently separate honey from wax you fill up to 120kg cappings onto the perforated tray inside the tank. Don't overfill the tank.

Set the temperature in the lid between 80-110°C and the bottom temperature to 40°C. The honey and wax will now liquefy and run to the bottom of the melter. The liquid wax will settle on top of the honey and protect it against overheating.

Depending on the primary temperature of the cappings and room temperature this will take from 3 to several hours. Once the honey and wax have been liquefied, the melter is shut off and the ball valve, at the bottom of the tank, is opened to let the honey flow out. Once you see that wax will mix with the honey, shut the ball valve, change buckets and drain off the liquid wax. The small amount of wax in the honey will cool-off quickly and crystalize and can then be taken out. This way you will have perfectly separated honey and beeswax from your cappings.

For other uses, it is recommended to follow the above scheme and adjust by experience. In most cases, you will quickly find the correct temperature settings.

We recommend to unplug the power for the top heater before opening the lid. This will stop the ventilator.

## Cleaning

To clean your DANA api MELTER we recommend using a light warm NaCl solution to wash propolis etc. from the walls.

## Maintenance

### Lid holder

The screws for the lid holder may not be tightened/loosened because it can prevent the lid holder to function correctly or in some case damage some part of the lid during opening/closing.

### Storage

Store the melter with the thermostat set to max temperature over winter.

Before use, control that there is no condensation inside the thermostat. This can specially happen after winter storage in a cold room. Open the thermostat box and dry eventually with a hair dryer.

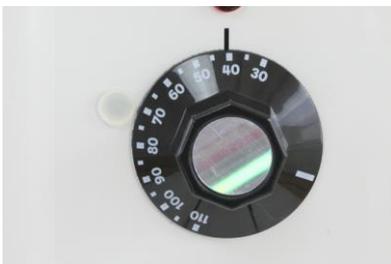
### Reset of thermostat

The Dana api Melter is equipped with a 3-fold contact set thermostat made by EGO, Germany. The thermostat includes an overheat protection, shutting down the melter should the inside temperature increase to over 130 °C. In case of this unlikely event, please check the electronics of the melter before continuing operation.

You can reset the security thermostat on the side of the thermostat box by inserting a sharp pin on the side of the box (red dot). After such an event, please monitor the melter carefully and make sure that the main thermostat is still working.



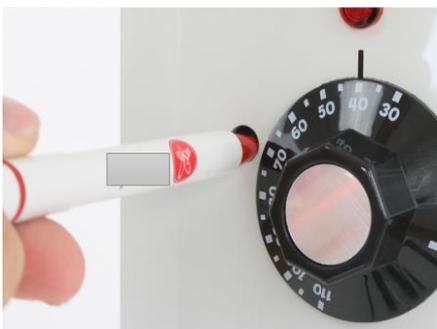
1. Let the device cool down!



2. Remove the small plastic cap by picking it out with your nail or a screwdriver or something similar.



3. Here the plastic cap has been removed.



4. Find a pen or similar, Push on the button until you here a click sound. You have to push pretty hard.