

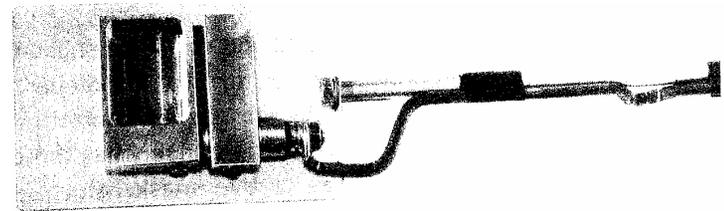
The JB 200 electric is the fastest vaporizer available and was developed for beekeepers who care for large numbers of hives. With this system, it is possible to connect several vaporizers "inline" to treat more than one colony at the time.

The JB 200 is powered by a 12-Volt car battery.

The treatment takes approx 60 seconds, but depends on the power of each individual battery, therefore we recommend that you perform an initial test, outside the hive, to establish the evaporation time for your particular battery. Accurate calculation of the evaporation time will save time and also protect the bees from exposure to excessive heat.

The JB 200 comes with heat protection for the acid tray to prevent scorching.

Oxalic Acid Vaporizer JB 200 Electric



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How to use the JB 200 Oxalic Acid Vaporizer

Preparation: Preparing Vaporizer and your Battery

Preparing protective mask, glasses and suitable acid-resistance rubber gloves

Cutting foam material strips for sealing the entrance

Caution: Oxalic acid is not dangerous if precautions are taken
Vaporized oxalic acid - Safety precautions for the apiarist

Pure oxalic acid is an unhealthy, toxic and corrosive substance. Therefore, special safety precautions for the beekeeper are necessary, as with other products for Varroa control. With every handling of oxalic acid there is the danger that the dust of the acid is breathed in. A protective mask, gloves and protective glasses should be worn. The low amount of oxalic acid that can eventually escape from the hive though gaps can easily be avoided.

During the treatment the beekeeper pays close attention to the wind direction. Colonies in a bee house - the house must be well ventilated during and after the treatment.

The amount of oxalic acid that escapes is, in any event, only a fraction of the amount that surrounds the beekeeper when spraying with oxalic acid. Spray treatment with a 3% solution of oxalic acid is recommended in certain countries.

Therefore when vaporizing with oxalic acid a special protective mask (FFP 3 S/L) for solid (=S) and liquid (=L) acidic aerosols should be worn.

Start:

1. Make sure the Oxalic tray is attached to the heating element and has no contact with the sheet metal.
2. Fill the Vaporizer with the required amount of Oxalic Acid (up to 3 grams). **OXALIC ACID CRYSTALS ONLY NOT LIQUID ACID**
3. Place the Vaporizer inside the hive and seal the hive with foam to prevent leakage of Oxalic Acid vapor during treatment.
4. Connect the Vaporizer to your battery. Positive (+) mounts to the wire and negative (-) to the handle.
After **60** seconds the oxalic acid should be vaporized.
Disconnect the Vaporizer from your battery immediately.
Do not overheat the Vaporizer as this can destroy the tray and the heat element.
5. The hive should remain locked for 10 minutes to enable the vapor to penetrate.
6. Prior to the next treatment cool the Vaporizer with a wet sponge. This will prevent early evaporation of the next fill.
7. After all treatments clean your Vaporizer to remove the acid residue.

