

Instruction manual

Gildewerk Combi

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GW1003HL-01

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Read this instruction manual carefully before using the equipment. If you have any questions, please contact Gildewerk.

The Gildewerk Combi is available in the following configurations:

- **DMC-00020 - Combi 2 basic**
- **DMC-0002A – Combi 2A with 2 dipping canisters ***
- **DMC-0002B – Combi 2B with 1 dipping canister and 4 colour canisters***
- **DMC-0002C – Combi 2C with 8 colour canisters**
- **DMC-00030 – Combi 3 basic**
- **DMC-0003A – Combi 3A with 3 dipping canisters***
- **DMC-0003B – Combi 3B with 2 dipping canisters and 4 colour canisters***
- **DMC-0003C – Combi 3C with 1 dipping canister and 8 colour canisters***
- **DMC-0003D – Combi 3D with 12 colour canisters**

This manual applies to all the above configurations.

* Also available with extended dipping canister.

Product description

Combi stands for 'combine' or 'combination'. The Combi is an urn intended for the professional dipping and colouring of candles. A combination of dipping wax- and colour wax canisters fit into the double-sided heating trays. You can arrange the basic configuration of this urn as you wish. In addition, Gildewerk supplies the Combi 2 and the extra-large Combi 3 in various standard configurations.

Gildewerk Combi's consist of the following components:

- Base tray with heating element, thermostat, safety cut-out and cord
- 4 wheels
- 0, 1, 2 or 3 hanging plates with 1 or 4 holes, depending on the model in question
- 0, 1, 2 or 3 dipping canisters and/or 0, 4, 8 or 12 colour canisters, depending on the model in question
- 2 dabbing plates

The standard dipping canisters are 50 cm in length. An extended dipping canister is 70 cm in length. You can heat a larger amount of dipping wax and keep it at the correct temperature in an extended dipping canister. You can then dispense the wax into the regular canisters from the extended canister. You would also require an extended dipping canister in order to make extra-long dipped candles (max 45 cm).

Most components are available separately.

The stainless steel Combi has a 2000 Watt/220-230 Volt heating element. The thermostat dial is used to set the temperature. Heating takes place according to the safe 'au bain marie' method, which uses water. As a result, the paraffin or beeswax never exceeds a temperature of 100 °C.

A boil-dry protection switch will turn off the Combi if all the water in the heating tray evaporates. Once you've filled the tray, you can then turn the Combi back on by resetting the cut-out. The Combi is fitted with two indicator lights. The orange light indicates that the machine is turned on. When the Combi uses electricity for heating, the red light illuminates.

The Combi is designed to run constantly. It is therefore not necessary to turn it off at the end of a week. Do ensure that you check the water level every week.

Installation

- 1 Upon delivery, the exterior of the Combi and the hanging plates, amongst others, are covered in a protective plastic layer. Remove this.
- 2 Screw the supplied wheels to the bottom of the Combi.
- 3 Place the Combi in the desired position and set the thermostat to zero. The area in which it is placed must flat and level and the brakes should be applied.
- 4 Remove the loose canisters and hanging plates. Fill the heating tray with hot or cold water until there is a layer of approximately 25 cm.
- 5 Sprinkle some paraffin on the water. This helps prevent evaporation. Now insert the plug into an earthed socket with a voltage of at least 230/240 V and a capacity of at least 10A.

Usage

- 1 Place the centring plates on the heating tray. Then place the full canisters in the centring plate holes. Make sure that the water level is just below the securing plates. If necessary, add water to the heating tray.
- 2 Fill the dipping canister(s) to the brim with paraffin granules and/or fill the colour canisters with paraffin granules and colour tablets. Write the colour code with a felt-tipped pen on the exterior of the canister and on the lid (on a sticker if desired).
- 3 The Combi 2 and Combi 3 are supplied along with two dabbing plates. Attach these between the securing plates and the side of the heating tray.
- 4 Set the thermostat to 70 °C if you are only dipping, and to 75°C if you are dipping with colour canisters too.

- 5 Paraffin has greater volume in tablet form than in molten form. Due to this, you should refill the canisters to just below the ribbing under the lid. When doing this the first time, the heating and refilling will take around 24 hours. Never try to accelerate this by turning up the thermostat temperature! There is no point in doing this and it increases the risk of boil-drying.

- 6 Use a thermometer to ensure that the temperature corresponds to the thermostat reading. You might have to adjust the thermostat to just above or just below 70 °C. Example: if the paraffin's actual temperature is 65 °C, set the thermostat to 75 °C. Check the temperature again after an hour. Generally, adjusting the thermostat by a single measure is sufficient.

- 7 Stir the melted colour wax evenly. Just before use, the wax must be stirred well. To do this, use an up-and-down pumping motion to prevent a foam layer from forming on top of the colour wax. Here, the Gildewerk Combi mixing stick is a useful aid. If foam still forms on the colour wax, wait for it to subside before you colour candles.

- 8 While you work, wax will spill into the water in the heating tray. Don't remove this wax layer. It slows down the evaporation process.
- 9 The double-sided, thermally insulated heating tray limits the Gildewerk Combi's energy consumption. Even if you only use the Combi once or twice a week, you can still keep it on constantly.

- 10 Stir the dipping wax regularly because the heavier ingredients in the paraffin gradually sink to the bottom of the canister. After time, a kind of 'layer' will form in the dipping canister because of this. Stirring will delay this process. However, you should still replace the dipping wax three to four times per year.

- 11 After use, place the lids on the canisters. The notches in the edge of the lid must be in line with the nuts on the inside of the canister. Give the lid a turn and it will be safely sealed.

- 12 Check the heating tray water level on a weekly basis. If necessary, add water to a level just below the securing plates.

- 13 In your logbook, note all maintenance-, monitoring- and cleaning activities mentioning the type, by whom they were performed on which date, the results and further action to be taken.

Please note!

- Only connect the machine to an earthed 220-230 Volt socket with a capacity of at least 10 A.
- Never turn on an empty urn. Fill with water even when testing. la fiche de la prise de courant. Ne modifiez pas la position du thermostat !
- Turn off the urn by removing the plug from the socket. Don't turn it off by changing the thermostat setting!
- When cleaning, do not immerse the Combi in water!
- When done for the first time, the heating and filling of paraffin takes approximately 8 hours. Never try to speed up this process by turning up the thermostat!
- Check the heating tray water level every week and add water if necessary.
- Keep a logbook.
- Change the water in the heating tray every three months and remove the wax layer at the same time. This will prevent odours in the candle-making area.
- Don't allow any metal objects (needles, nails, paper clips, etc.) to drop into the water in the heating tray. If a metal object does drop into the water, remove it as quickly as possible to prevent rust forming. Over time, such rust will affect the canisters and the sides of the tray. Rust marks are easily removed using a scrubbing sponge.
- The heating time indicated applies to candle paraffin. Longer heating periods apply to beeswax.

Maintenance

Cleaning a Combi dipping canister

- 1 Remove the hot, wax-filled dipping canister from the urn.
- 2 Empty the dipping canister, but leave behind a layer (1 cm) of residue and sediment.
- 3 Use a filling knife to remove the remaining warm, partly set layer of wax.
- 4 Place the empty dipping canister back into the hot urn.
- 5 Clean the inside of the dipping canister with absorbent paper towel.
- 6 You could deep-clean the dipping canister with paper towel and turpentine, using soap and water to remove the turpentine residue.
- 7 Now the dipping canister can be refilled with paraffin granules.
8. Note all maintenance- and cleaning activities in your logbook.

Cleaning a Combi colour canister

- 1 Remove the hot, wax-filled colour canister from the urn.
- 2 Empty the contents of the colour canister into plastic duo bowls.
- 3 Fill the colour canister with hot water and a splash of detergent and return it to the urn.
- 4 Clean inside of the hot, soap-filled colour canister using a toilet brush.
- 5 Empty the colour canister (not into a sink!) and rinse it with water.
- 6 You could deep-clean the colour canister with paper towel and turpentine, using soap and water to remove the turpentine residue.
- 7 Dry the inside of the colour canister thoroughly using absorbent paper towel.
- 8 Now the colour canister can be refilled with colour wax
- 9 Note all maintenance- and cleaning activities in your logbook.

Cleaning the Combi base (without colour- or dipping canisters)

- 1 Unplug the Combi and let it cool down completely.
- 2 Use a filling knife to remove the set wax layer from the urn. Be careful when cleaning around the element and the boil-dry protection switch.
- 3 Remove the water from the urn by scooping or pouring it out.

- 4 Don't pour the water from the urn into a sink. Wax residue can cause blockages.
- 5 Use a synthetic pot cleaner to clean the inside of the machine.
- 6 Make sure that there is no interior damage.
- 7 Install the urn as described under 'installation'.
- 8 Note all maintenance- and cleaning activities in your logbook.

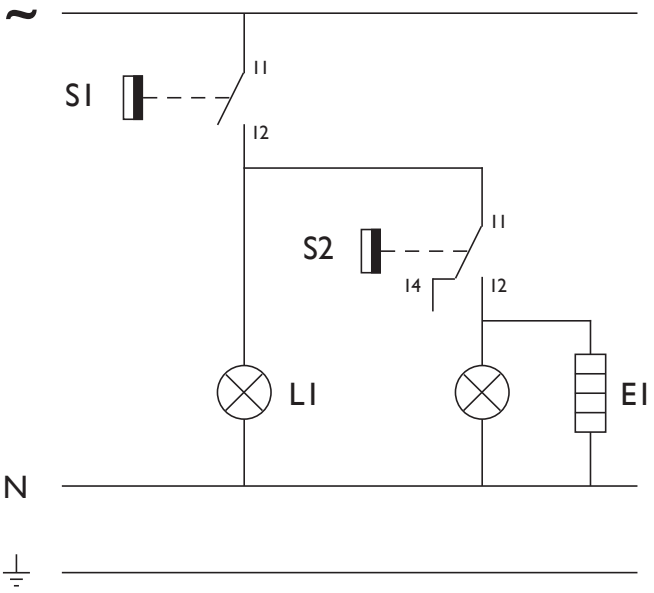
Handy hint

The old wax that remains after the wax has been changed can be used for making garden pot candles, garden torches or floating candles.

Electrical devices must be inspected regularly. Electrical devices with heating are subject to shrinking and stretching. Annual maintenance is therefore necessary

Combi 2 and Combi 3 circuit diagram

- S1 Overheating protection 710 V 145 °C
- S2 Temperature regulator 716 RU 0-95 °C
- L1 Power indicator lamp (orange)
- L2 Thermostat indicator lamp (red)
- E1 Heating element REF 230 V / 2000 W



EC Declaration of conformity



Manufacturer:
Gildewerk BV

Address:
**A. Hofmansweg 41
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Hereby declares that,

DMC-00020 Combi 2 basic
DMC-0002ACombi 2A
DMC-0002B Combi 2B
DMC-0002C Combi 2C
DMC-00030 Combi 3 basic
DMC-0003A Combi 3A
DMC-0003B Combi 3B
DMC-0003C Combi 3C
DMC-0003D Combi 3D

comply with the stipulations found in the following EC directives, these being the most recently amended:

- EMC-directive 89/336/CEE, 91/263/CEE, 92/31/CEE et 93/68/CEE
- Low voltage directive 73/23/EEC en 93/68/EEC

and that the following standards have been met:

- EN 55014 (1995)
- EN 55104 (1995)
- EN 61000-3-3 (1995)
- EN 60335

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M.L.J. Teunissen
Director