

MILK COOLER MC 2

OPERATION MANUAL



Read the instructions – especially the safety warnings – carefully before use. Disregarding the safety warnings can result in serious injuries.



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Our coffee solution for your business

1. SAFETY WARNINGS

1.1. Foreword

The purpose of this document is to provide important information regarding the installation, use and maintenance of the cooler. Before any operation, you should read carefully the information contained in this manual.

The manufacturer assumes no liability for parts or labour coverage for component failure or other damages resulting from improper usage, installation or failure to clean and/or maintain the product as set forth in these instructions.

1.2. Safety warnings



This appliance can be used by children aged 8 years and above and persons with reduced physical, sensory or mental capabilities or a lack of experience and knowledge if they have been given supervision or instruction concerning safe use of the appliance and understand the hazards involved. Children must not play with the appliance. Cleaning and user maintenance must not be carried out by children without supervision.

- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- Ensure the cooler is connected to the correct voltage prior to plugging it in; there is a description to identify the correct voltage on the rear of the cooler.
- The vent should not be blocked when the appliance is in operation.
- Avoid any water dropping or leaking into or onto the cooler. It could cause damage to the internal workings and is potentially dangerous.
- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
- **WARNING:** Keep all ventilation openings in the appliance housing and in the internal compartment clear of obstruction.
- **WARNING:** Do not use mechanical devices or other means to accelerate the defrosting process, other than those methods recommended by the manufacturer.
- **WARNING:** Do not use electrical appliances inside the milk box of the appliance, unless they are recommended by the manufacturer.
- **WARNING:** Do not damage the refrigerant circuit.

1.3. Instructions for safe use

- If you wish to refrigerate food other than milk, please check whether the cooling range and storage space meets the requirements of the food to be stored before placing them in the cooler.
- Attention: The cooler is not designed for external (outdoor) placement or environments that subject it to the actions of atmospheric agents (rain, direct sun light). The manufacturer is not responsible for damages resulting from the improper use of the product.
Place the cooler in a dry place; indoors or under cover. The cooler should not be used outdoors where it could be exposed to rain.
- The operating temperature of the cooler is 10 °C to 25 °C. The cooler should not be used outside of this temperature range.
NOTE: Direct sun may heat the body to a higher level than the apparent ambient temperature.
- Placement of the cooler should be well ventilated and at a distance of at least 10 centimetres away from wall.

1.4. Disposal information

1.4.1. Correct disposal of the product



This marking indicates that this product should not be disposed of with other household waste throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources.

To return your used appliance, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmentally safe recycling.

1.4.2. When the product is to be discarded

1. Pull the mains plug out of the socket.
2. Remove the power cable and dispose of it separately.
3. Products that are no longer in use must be disposed of in a professional and correct manner in accordance with local statutes and regulations.



CAUTION - risk of fire due to flammable materials

2. PRODUCT DESCRIPTION



3. TECHNICAL DATA

3.1. Materials and refrigerants

- Interior or exterior surfaces that come into contact with the products are made of galvanised steel, aluminium or non-toxic plastic materials.
- The refrigerant used is approved by government regulations.

3.2. Appliance data

Model number	MC2
Dimensions (W*D*H)	145*265*265 mm
Net volume (W*D*H)	100*135*221.5 mm
Net weight	2.85 kg
Power supply	220-240 V ~ 50/60 Hz 0.5 A
Power consumption	max. 1.0 kWh
Power	55 W
Protection class	II
Sound pressure level	≥ 36dB(A)re 1 pW and < 42dB(A)re 1 pW (Class C)
Operating temperature	10-25 °C
Insulation blowing agent	cyclopentane
Climate class	3, 4, 5

4. INSTALLATION

For safe, proper operation, follow the manufacturer's instructions provided in this section.

4.1. Ambient conditions

- The cooler must be placed in an adequately ventilated room. Keep away from heat sources, such as radiators or air conditioning pipes. Allow free air circulation to the refrigerator unit.
- The ambient temperature must not be higher than +25 °C.
- This appliance climate class is 3, 4, 5.

Test room climate class	Dry-bulb temperature °C	Relative humidity %	Dew point °C	Water weight in dry air g/kg
0	20	50	9.3	7.3
1	16	80	12.6	9.1
2	22	65	15.2	10.8
3	25	60	16.7	12.0
4	30	55	20.0	14.8
5	40	40	23.9	18.8
6	27	70	21.0	15.8
7	35	75	30.0	27.3

4.1.1. Cooler levelling

- To provide the best performance the cooler must remain level.

4.2. Electrical connection



WARNING - DO NOT USE EXTENSION CORDS

The cooler works on single-phase voltage (220-240V/50-60 Hz) power supply.

- Before you move your appliance to its final location, it is important to make sure you have the appropriate national electrical code and local codes and ordinances that are required. It is recommended to provide a separate circuit for use only by your appliance. For your personal safety, the appliance must be grounded.
- Only connect the product to a properly installed socket with protective contacts whose mains voltage corresponds to the technical data of the product (see type plate on the back of the appliance).
- When the cooler is operating, check that the supply voltage is not dropping or increasing more than 10% below/above the rated voltage (187-242 V).

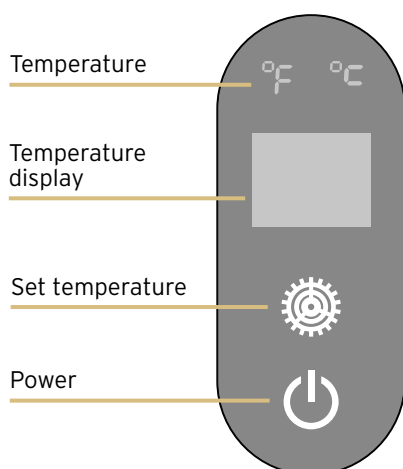
5. USE

The cooler is shipped ready for use.



The temperature control is factory-preset to +4 °C.

▷ To switch on the cooler, insert the plug into the outlet.



5.1. Operational panel



"Power" button

- ▷ In boot mode, hold down the  button for 3 seconds and the LED displays "OF" to turn off. After 5 seconds, the "OF" disappears from the screen.
- ▷ In shutdown mode, hold down the  button for 1 second and the LED displays the actual cabinet temperature to turn on.

"Settings" button

1. To set the cooler temperature, hold down  for approx. 5 seconds.
2. Then briefly press  repeatedly to click through a consecutive temperature cycle from 1 to 8 °C.



We don't recommend that customers adjust the setting, as the setting is too cold this can cause the products to freeze.

The best cooling performance is achieved if the appliance is optimally filled and the air circulation inside the appliance is unobstructed by the products inside the cooler.

6. CLEANING

- Unplug the appliance before cleaning.
- Wipe down with a damp soft cloth. Be sure to avoid water dripping into or on top of the cooler.
- For persistent marks isopropyl alcohol may also be used with a soft cloth.
- Use a dry cloth to dry the appliance after cleaning it.
- Clean it at regular intervals as required.
- Slightly open the top cover after cleaning to allow moisture to fully evaporate.
- Attention: the inner liner of cooler should be cleaned after 1 month's use. Cut off the power, get a clean cotton cloth to clean the bottom inner liner.
- Do not clean the cooler with direct or high pressure water jets.

7. DEFROSTING

7.1. Auto defrosting

This cooler is equipped with automatic defrosting.

7.2. Manual defrosting

We advise to finish a manual defrosting every three months to prevent excessive frost from affecting the cooling effect.

1. Unplug the power and remove the items inside the cooler.
2. Prepare a towel, a basin and a plastic scraper, and wait for the frost layer to melt naturally. You can also place a bowl of hot water inside or use a dryer (on low temperature) to speed up the defrosting process, but be careful to avoid water entering the electrical appliances.
3. When the frost layer begins to loosen, gently scrape it off with a plastic scraper to avoid damaging the inner liner due to excessive force. Use a towel to absorb the melted water to prevent it from flowing onto the ground or inside electrical appliances.



8. TROUBLESHOOTING

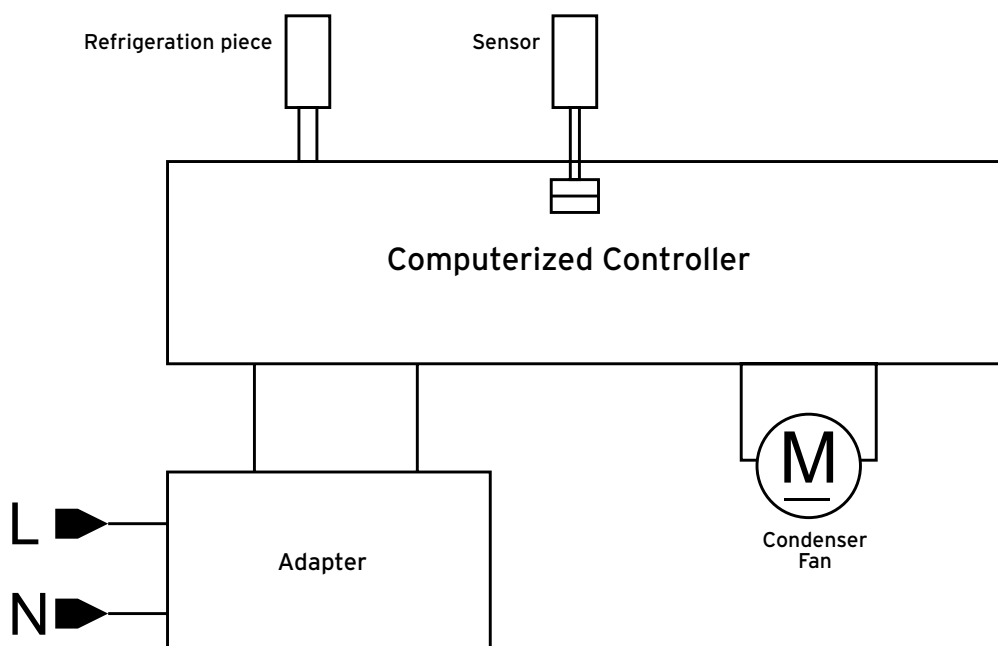
Often problems that occur during normal operation can be resolved without the assistance of a specialised technician, verify the following:

- Fault 1:** The appliance is not cooling and the fan has stopped.
- The connection may not be in place. If so, plug it in firmly.
 - The joint of power supply may have a poor connection. If so, use a non-metallic brush to clean the joint.
 - If none of the above solutions works the cooler should be sent to a professional maintenance depot for examination. At no stage should you open the casing of the appliance if you are not qualified to do so. To do so will void any warranty on the cooler.
- Fault 2:** The appliance is not cooling but the fan is running normally.
- The cooling element may be faulty. The cooler should be sent to a professional maintenance depot for examination. At no stage should you open the casing of the appliance if you are not qualified to do so. To do so will void any warranty on the cooler.
- Fault 3:** The cooler does not work under AC power.
- The transformer may be faulty. The cooler should be sent to a professional maintenance depot for examination. At no stage should you open the casing of the appliance if you are not qualified to do so. To do so will void any warranty on the cooler.
- Fault 4:** Show fault code
- **E0:** Temperature probe fault.
 - **E2:** Electronic refrigeration failure.
- When the above fault code occurs, the cooler should be sent to a professional maintenance depot for examination. At no stage should you open the casing of the appliance if you are not qualified to do so. To do so will void any warranty on the cooler.

Prepare to answer the following questions from the service agent:

- The type of problem (electrical, mechanical).
- The model, code and serial number of the cooler can be found on the manufacturer label attached to the interior wall of the cooler.

9. CIRCUIT DIAGRAM





Tchibo Coffee Service GmbH • Überseering 18 | D-22297 Hamburg
Service-Nummer: +49 800 1302268 • Fax: +49 800 1358230
info@tchibo-coffeeservice.de • tchibo-coffeeservice.de

Tchibo Coffee Service (Austria) GmbH • Gadnergasse 71 | A-1110 Wien
Service-Nummer: +43 800 408407
info@tchibo-coffeeservice.at • www.tchibo-coffeeservice.at

Matthew Algie and Company Ltd. • 16 Lawmoor Road | Glasgow, G5 0UL | UK
Customer service: 01372 736 200 • Technical Support: 0800 824 426
www.tchibo-coffee.co.uk • www.matthewalgie.com

Tchibo Coffee Service Czech Republic spol. s r.o. •
Toužimská 856 | Letňany, 199 00 Praha 9 | Česká republika
Customer service: (+420) 800 124 421 • Technical service: (+420) 720 061 080
www.tchibo-coffeeservice.cz

Tchibo Coffee Service Polska Sp. z o.o. • Al. Jerozolimskie | 172 02-486 Warszawa
Tel.: +48 22 307 23 23
tcsserwis@tchibo-coffeeservice-team.de • www.tchibo-coffeeservice.pl

Tchibo Coffee Service S.R.L. • Strada Piersicilor nr. 91 | Jilava, jud Ilfov | Romania
M: +4 0756077398 • callcenter@tchibo2go.ro

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