

C26 - C50



104049 - 104050

Bartscher GmbH
Franz-Kleine-Str. 28
D-33154 Salzkotten
Germany

Phone: +49 5258 971-0

Fax: +49 5258 971-120

Technical Support Hotline: +49 5258 971-197

www.bartscher.com



Version: 1.0

Date of preparation: 2021-08-24

Original instruction manual

1	Safety	2
1.1	Explanation of Signal Words.....	2
1.2	Safety instructions.....	3
1.3	Intended Use	5
1.4	Unintended Use	5
2	General information	6
2.1	Liability and Warranty	6
2.2	Copyright Protection	6
2.3	Declaration of Conformity	6
3	Transport, Packaging and Storage	7
3.1	Delivery Check.....	7
3.2	Packaging	7
3.3	Storage	7
4	Technical Data.....	8
4.1	Technical Specifications	8
4.2	Functions of the Appliance.....	10
4.3	List of Components of the Appliance	11
5	Installation and operation	12
5.1	Installation.....	12
5.2	Operation	14
6	Cleaning	15
6.1	Safety Instructions for Cleaning	15
6.2	Cleaning.....	16
6.3	Descaling.....	17
7	Possible Malfunctions.....	18
8	Disposal.....	20



Read this instruction manual before using and keep it available at all times!

This instruction manual contains information about installation, operation and maintenance of the appliance and constitutes an important source of information and reference guide. The knowledge of all operational and safety instructions included in this manual is a prerequisite for safe and proper handling of the appliance. Additionally, accident prevention, occupational health and safety, and legal regulations in force in the area the appliance is used apply.

Before you start using the appliance, especially before turning it on, read this instruction manual in order to avoid personal injuries and property damages. Improper use may cause damage.

This instruction manual forms an integral part of the product and must be stored in an immediate vicinity of the appliance and be available at all times. The instruction manual should be transferred together with the appliance.

1 Safety

EN

This appliance has been manufactured in accordance with technical standards currently in force. However, the appliance may be a source of hazards if used improperly or contrary to its intended purpose. All persons using the appliance must consider information included in this instruction manual and observe safety instructions.

1.1 Explanation of Signal Words

Important safety instructions and warning information are indicated in this instruction manual with appropriate signal words. You must strictly follow the instructions, to prevent accidents, personal injuries and property damages.



DANGER!

The signal word **DANGER** warns against hazards that lead to severe injuries or death if the hazards are not avoided.



WARNING!

The signal word **WARNING** warns against hazards that may lead to moderate or severe injuries or death if the hazards are not avoided.



CAUTION!

The signal word **CAUTION** warns against hazards that may lead to light or moderate injuries if the hazards are not avoided.

IMPORTANT!

The signal word **IMPORTANT** indicates possible property damages, which may occur if safety instructions are not observed.

NOTE!

The symbol **NOTE** indicates subsequent information and guidelines for the user on usage of the appliance.

1.2 Safety instructions

Electrical Current

- Too high a mains voltage or incorrect installation may cause electric shock.
- The appliance may be connected only if data on the rating plate correspond with the mains voltage.
- To avoid short-circuit, the appliance should be kept dry.
- If there are malfunctions during operation, disconnect the appliance from the power supply.
- Do not touch the appliance's plug with wet hands.
- Never take hold of the appliance if it has fallen into water. Immediately disconnect the appliance from the power supply.
- Any repairs or housing opening may be carried out by professionals and relevant workshops only.
- Do not transport the appliance, holding it by the power cord.
- Do not allow the power cord to come into contact with heat sources or sharp edges.
- Do not bend, pinch nor knot the power cord.

- Always completely unwind the power cord.
- Never place the appliance or other objects on the power cord.
- Always take hold of the plug to disconnect the appliance from the power supply.
- Check the power cord regularly for damage. Do not use the appliance if the power cord is damaged. If this cable is damaged, it must be replaced by customer service or a qualified electrician in order to avoid dangers.

Fire hazard / flammable materials hazard / explosion hazard!

- Do not use any electric devices in the appliance.
- Do not store nor use petrol or other flammable liquids and gases in the vicinity of this or any other appliance. Those gases may cause fire or explosion hazard.
- Do not put into the appliance any explosive materials, like sprays filled with flammable propellants. Contents of containers filled with flammable gases and liquids may leak in low temperatures, and the contents may catch fire from sparks generated by an electric appliance. Explosion hazard!
- In the case of coolant leakage, pull the plug from the socket. Remove all sources of ignition in the vicinity, ventilate room and contact technical service. Avoid coolant getting in contact with eyes, as it may cause serious eye damage.
- Never use any flammable liquids for cleaning the appliance or its parts. Gases released may cause fire or explosion hazard.
- In the case of fire, disconnect the appliance from the power supply before attempting adequate fire-extinguishing actions.
- Never attempt to extinguish fire with water if the appliance is connected to the power supply. Following extinction of fire, ensure sufficient fresh air inflow.
- Defrosting process may not be sped up with mechanical means or heat energy sources (candles or heaters) nor with any other means. Vapour produced may cause short-circuit and too high temperatures may damage the appliance.
- All ventilation slots should not be obstructed during operation.
- Never attempt to damage cooling installation of the appliance.

Operating personnel

- This appliance is not intended to be used by persons (including children) with limited physical, sensory or mental capabilities, nor by persons with limited experience and/or limited knowledge.
- Children should be supervised to ensure that they are not playing with or switching the appliance on.

Improper Use

Safety

- Unintended or prohibited use may cause damage to the appliance.
- The appliance may only be used when its technical condition is flawless and allows for safe operation.
- The appliance may only be used when all connections are executed according to rules of law in force.
- The appliance may only be used when it is clean.
- Use only original spare parts. Never attempt to repair the appliance on your own.
- Do not introduce any changes in the appliance nor modify it.

1.3 Intended Use

As described below, every use of the appliance for a purpose differing and/or diverging from its intended standard use, is prohibited and considered to be an unintended use.

The following is an intended use:

- Ice cubes preparation.

1.4 Unintended Use

An unintended use may lead to personal injuries or property damages caused by hazardous voltage, fire or high temperature. The appliance may only be used to perform tasks described in this instruction manual.

2 General information

2.1 Liability and Warranty

All information and instructions in this instruction manual account for legal regulations in force, current level of technical engineering knowledge as well as our expertise and experience, developed over the years. If special models or additional options are ordered, or state-of-the-art technical solutions were implemented, the actual scope of delivery of the appliance may, in some circumstances, differ from descriptions and numerous drawings in this instruction manual.

The manufacturer is not liable for any damages nor faults stemming from:

- failure to observe instructions,
- unintended use,
- technical alterations introduced by the user,
- usage of unapproved spare parts.

We reserve the right to introduce technical modifications to the product, intended for improvement of the appliance and its performance.

EN

2.2 Copyright Protection

This instruction manual, and texts, drawings and images included in it, as well as its other components are copyright protected. It is prohibited to reproduce this instruction manual (including its excerpts), in any form and by any means, and to use and/or transfer its content to third parties without manufacturer's written permission. Violation of the above results in obligation to pay compensation. We reserve the right to claim further damages.

2.3 Declaration of Conformity

The appliance meets the currently applicable standards and guidelines of the European Union. We confirm the above in the EC Declaration of Conformity. We may provide relevant Declaration of Conformity upon request.

3 Transport, Packaging and Storage

3.1 Delivery Check

Immediately upon reception, check the delivery for completeness and possible shipping damage. In the case of visible transport damage refuse to accept the appliance or accept it conditionally. Mark and note the scope of damage in shipping documents/consignment list of the shipping company and lodge a complaint.

Concealed damage must be reported immediately upon its discovery, as compensation claims may only be filed within applicable time limits.

If you find that parts or accessories missing, please contact our Customer Service Department.

3.2 Packaging

Do not dispose of the appliance cardboard box. It may be used to store the appliance when relocating or when shipping the appliance to our service point in the case of any damages.

The packaging and its elements are made of recyclable materials. Particularly, these are: plastic films and bags, cardboard box.

When disposing of the packaging, observe applicable domestic regulations. Recyclable packaging materials should be recycled.

EN

3.3 Storage

Leave the packaging closed until installation of the appliance; observe external indications concerning method of placing and storage. Store the packaging in the following conditions only:

- in closed rooms;
- in dry and dust-free surrounding;
- away from aggressive agents;
- in a location protected against sunlight;
- in a location protected against mechanical shocks.

In the case of extended storage (over three months), make sure you check the condition of the packaging and the parts regularly. If needed, replace the packaging with a new one.

4 Technical Data

4.1 Technical Specifications

Name:	Ice-cube maker C26
Art. No.:	104049
Material:	stainless steel
Number of ice cube sizes:	1
Ice cube size (W x H), in mm:	28 x 40
Ice cube weight, in g:	18 - 20
Ice cubes output / work cycle:	16
Max. output, in kg / h:	25 / 24
Storage container capacity, in kg:	7
Coolant, amount in kg:	R290 / 0,048
Climate class:	ST
Water connection:	3/4"
Water outlet, Ø in mm:	Ø 21
Connected load:	0,24 kW 230 V 50 Hz
Dimensions (W x D x H), in mm:	398 x 542 x 682
Weight, in kg:	30,0

EN

We reserve the right to implement technical modifications.

Technical Data

Name:	Ice-cube maker C50
Art. No.:	104050
Material:	stainless steel
Number of ice cube sizes:	1
Ice cube size (W x H), in mm:	29 x 40
Ice cube weight, in g:	19 - 21
Ice cubes output / work cycle:	24
Max. output, in kg / h:	50 / 24
Storage container capacity, in kg:	13
Coolant, amount in kg:	R290 / 0,055
Climate class:	ST
Water connection:	3/4"
Water outlet, Ø in mm:	Ø 25
Connected load:	0,38 kW 230 V 50 Hz
Dimensions (W x D x H), in mm:	548 x 611 x 823
Weight, in kg:	47,0

We reserve the right to implement technical modifications.

Version / Design

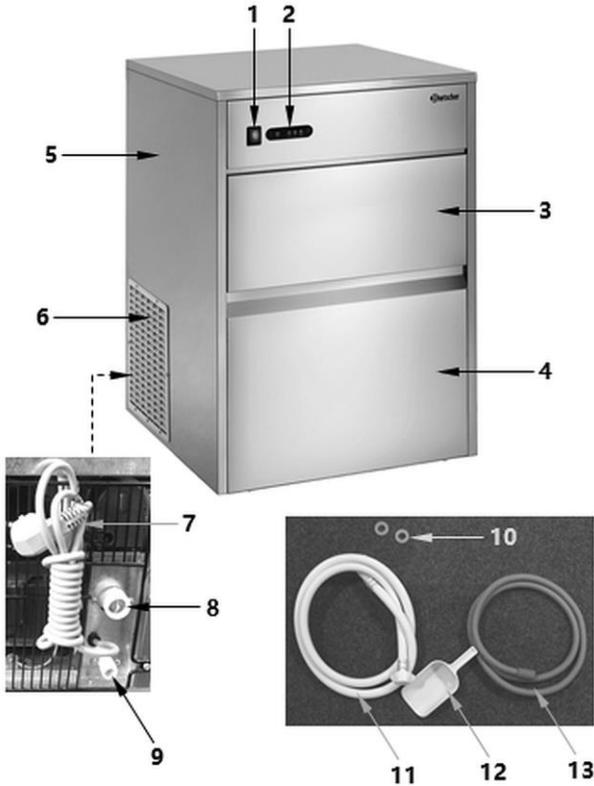
- Ice cube design: cone-shaped (hollow cone)
- Cooling: air-cooled
- Fill level sensor
- Production by means of pumping system
- Cooling: compressor
- Control: key
- ON/OFF switch
- Indicator light
- The set includes:
 - 1 water supply tube
 - 1 water drain tube
 - 1 ice cube shovel

4.2 Functions of the Appliance

EN

The ice-cube maker is designed for production of cone-shaped ice cubes (hollow cone). It may output up to 25 kg or 50 kg of ice cubes within 24 hours.

4.3 List of Components of the Appliance



EN

- 1. ON/OFF switch
- 3. Storage container lid
- 5. Housing
- 7. Power cord with mains plug
- 9. Drain port
- 11. Water supply tube
- 13. Drain tube

- 2. Messages
- 4. Compressor cover
- 6. Ventilation openings
- 8. Water connection
- 10. Gaskets
- 12. Ice cube shovel

Fig. 1

5 Installation and operation

5.1 Installation

Unpacking / Positioning

- Unpack the appliance, remove all external and internal packaging elements and shipment safeguards.



CAUTION!

Choking hazard!

Prevent children from accessing package materials, for instance: plastic bags and EPS.

- If the appliance is covered with a protective film, remove it. Remove the film slowly, so no glue residues are left. Remove any glue residues with the use of a suitable solvent.
- Be careful not to damage the rating plate and warning labels fixed on the appliance.
- **Never** place the appliance in humid or wet environment.
- Place the appliance in a way making the connections easily accessible, so that they may be quickly disconnected if such a need arises.
- The appliance should be placed on surfaces that are:
 - even, with sufficient bearing capacity, resistant to water, dry and resistant to high temperatures;
 - sufficiently large, and thus enabling usage of the appliance with no problems;
 - easily accessible;
 - well ventilated.
- Do not position the appliance in high humidity locations. Air relative humidity should not exceed 70%.
- Do not place the appliance in direct sunlight or in the vicinity of heat sources (cooker, radiator, heating devices, etc.). Heat sources may negatively affect power consumption, and restrict functions of the appliance, too.
- In order to avoid damage to the compressor, do not tilt the appliance more than 45° when positioning or transporting it.
- Maintain minimum clearance from walls and objects: 10 cm at both sides and 20 cm at the rear.

Installation and operation

- The appliance should be installed only in rooms, in which ambient temperature falls in the range of 10–32°C.

Water Connection

1. Install the appliance near a water connection.

ATTENTION!

Connect the appliance only to a supply connection of potable water. Otherwise install a water purification appliance.

2. Connect water supply tube to a tap.
3. Connect the other end of the tube to the water connection at the back of the appliance.
4. Insert gasket rings.

NOTE!

The hydraulic pressure should amount to 2–3 bar. With higher pressure install a pressure reducer.

Water Drain

1. Connect one end of the drain tube with a rubber sleeve to drain connection at the back of the appliance.
2. Fit the other end of the drain hose to a sewerage pipe or a water container.
3. Make sure the sewerage pipe or a water container are below the level of ice-cube maker's drain port, so that water could flow easily.

EN

Power supply connection

- Verify if technical data of the appliance (see rating plate) correspond with the local electric power grid specification.
- Connect the appliance to a single, properly grounded mains socket with protective contact. Do not connect the appliance to a multi-socket.
- The power cord should be laid in a way preventing anyone from threading on it or tripping against it.

- If in winter the ice-cube maker is brought from the outside to a room, leave it for a few hours to heat up and reach the room temperature before switching it on.
- Before connecting the appliance to the power supply, wait 1 hour for the coolant to stabilize.
- After a power failure or when the plug is removed from the socket, reconnect the appliance to the power supply after 5 minutes at the earliest.

5.2 Operation

Control Elements / Displayed Messages

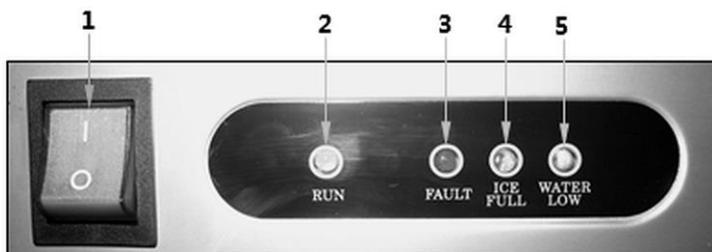


Fig. 2

1. ON/OFF switch with integrated power indicator light (red)
2. Operation indicator light (green)
3. **'Error/Fault'** message (red)
4. **'Ice Full'** message (red)
5. **'Water Low'** message (red)

EN

Before Use

1. Prior to first operation, clean the appliance and its equipment according to instructions in section **6 'Cleaning'**.
2. Then dry the appliance thoroughly.
3. Check all connections and make sure the water shut-off valve is open.
4. Plug the appliance into a suitable single socket.

Appliance Operation

1. Switch the ON/OFF switch on the operation panel to **'I'** position.

The red power indicator light in the ON/OFF switch lights up.

The green operation indicator light is lit and the ice cube production process is started.

The process consists of the following stages:

- water flows in;
- ice cubes are produced;
- ice cubes are ejected;

Cleaning

- the ready ice cubes are stored.

When the storage container is full, the **'Ice Full'** message on the operation panel is shown and the appliance automatically finishes the process.

2. Open the storage container lid and use the ice cube shovel to take the ready ice cubes out.

After taking out the ice cubes, the appliance re-starts production.

CAUTION!

Due to hygienic reasons, ice cubes produced during the first production process should be disposed of; do not use them to cool beverages nor food products.

If water supply is insufficient, the **'Water Low'** message is shown in the operation panel and the appliance switches off automatically.

3. Check water supply to ice-cube maker.

If an error occurs, the **'Error/Fault'** message is shown and the appliance switches off automatically.

EN

WARNING!

Instant switching on of the appliance following an automatic switch off may lead to compressor damage.

If the appliance switched automatically off (insufficient water supply, full ice cube storage container, power failure, etc.), do not switch it back on immediately. Wait 3–5 minutes, and then re-start the appliance.

4. When the appliance is no longer in use, switch it off using ON/OFF switch and disconnect from the power supply (pull the plug out).

NOTE!

If the appliance will not be used for a prolonged time, drain water from water tank, using drain screw at the rear wall of the appliance. Wipe the water tank with a dry cloth.

6 Cleaning

6.1 Safety Instructions for Cleaning

- Before cleaning, disconnect the appliance from the power supply.
- Leave the appliance to cool down completely.

- Make sure water does not enter the appliance. Do not immerse the appliance in water or other liquids during cleaning. Do not clean the appliance with a pressurized water jet.
- Do not use any sharp or pointed, nor metal implements (knife, fork, etc.). Sharp or pointed implements may damage the appliance, and when in contact with live parts, they may cause electric shock.
- For cleaning, do not use any scouring agents that contain solvents nor corrosive cleaning agents. They may damage the surface.

6.2 Cleaning

1. At the end of each working day, as well as after a long period without operating the appliance, clean the appliance thoroughly.
2. Clean the appliance inside and outside with warm water and a mild cleaning agent.
3. Rinse in fresh water.
4. After cleaning, dry and polish the surface with a soft and dry cloth.
5. Clean the condenser once in 2–3 months.

6.3 Descaling

Inappropriate water may lead to scale deposit in the water tank of the appliance. Such deposits negatively affect the operation of the appliance. For this reason, the appliance should be regularly descaled.

ATTENTION!

Only a service company may descale the appliance.

1. Remove the top cover of the appliance.
2. Close the water supply.
3. For descaling, prepare a solution of warm water (1 litre) and 1 package of a commercially available descaling agent. Follow the instructions of the agent's manufacturer.
4. Fill the water bowl with the solution.
5. Leave the agent for a couple of minutes for it to act. The time needed may vary depending on the extent of scale deposits.
6. Switch the appliance on and let the solution flow until the water bowl is empty and rises.
7. Perform the process with the solution 3 times.
8. Using fresh water, conduct 2–3 output cycles, to remove all residues of descaling solution.

CAUTION!

After descaling, dispose of the produced ice cubes; do not use them for cooling beverages nor food products!

7 Possible Malfunctions

The table below contains descriptions of possible causes and solutions to malfunctions or errors during operation of the appliance. When malfunction cannot be removed, contact the technical service.

In such a case, provide article number, model name and serial number. These data may be found in the rating plate.

Error	Possible Cause	Solution
Appliance does not work, indicator lights and indicators do not light up	Interrupted power supply	Check the electric power supply
	The appliance is off	Switch the appliance on
Appliance does not work, only power supply indicator light in the ON/OFF switch light up	Incorrect supply voltage	Check the electric power supply
	Damaged PCB board	Contact the service company
Appliance does not work, 'Ice Full' indicator light is lit	Storage container is full	Remove ice cubes from the storage container
	Ambient temperature is below 6°C	Keep the ambient temperature above 7°C Restart the appliance
Appliance does not work, 'Ice Full' and 'Fault' indicator lights are lit	Damaged or not connected storage container sensor	Contact the service company
Appliance does not work, 'Fault' indicator light is lit	Damaged or not connected condenser sensor	Contact the service company

Possible Malfunctions

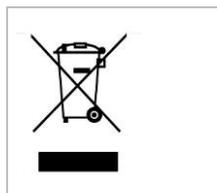
Error	Possible Cause	Solution
'Water Low' and 'Ice Full' indicator lights blink simultaneously or 'Fault' indicator light blinks fast	Coolant is leaking	Contact the service company
	Damaged compressor	Contact the service company
	Ambient temperature is below 6°C	Keep the ambient temperature above 7°C Restart the appliance
'Fault', 'Water Low' and 'Ice Full' indicator light blink simultaneously and slowly	Hall-effect sensor is not in a correct position or is damaged	Contact the service company
	Sensor does not respond	Check if the sensor condition is acceptable and if it is in its location
'Fault' indicator blinks fast	Motor stater damaged	Contact the service company
	Micro-switch does not work	Contact the service company
	Water tank obstructed by ice cubes	Remove ice cubes from the storage container
Appliance stops after approx. 2 minutes and the 'Water Low' indicator light blinks	No water supply Water supply valve closed	Check water supply Open water supply valve
	Water level sensor damaged or not in correct position	Contact the service company
'Water Low' indicator lights continuously	Appliance was without water supply for over 24 hours	Switching the appliance off After restoring the water supply, connect and restart the appliance

Error	Possible Cause	Solution
Ice cubes remain in water container	Solenoid valve does not work	Contact the service company
	Remains of ice cubes in water tank	Switch the appliance off Remove the remains of ice cubes
Ice cubes are not produced, no indicator lights are lit	Damaged solenoid valve	Contact the service company
	Compressor does not work	Contact the service company
Ice cubes feature uneven sizes	Coolant is leaking	Contact the service company
	Too high a temperature in water tank	Keep the ambient temperature above 7°C

8 Disposal

EN

Electrical Appliance



Electric appliances are marked with this symbol. Electrical appliances must be disposed of and recycled in a correct and environmentally friendly manner. You must not dispose of electric appliances with household waste. Disconnect the appliance from the power supply and remove power cord from the appliance.

Electrical appliances should be returned to designated collection points.

Coolant

The propellant used in the appliance is flammable. It should be utilised pursuant to national regulations in force.