BRAYER BR6301 Ice Generator Instruction Manual

Contents

BRAYER BR6301 Ice Generator

Specifications

- Model: BR6301
- Usage: Household ice generator
- Features: Automatic ice making, control panel, water filter

Product Description

The Ice generator BR6301 is a household device designed for quick ice making. It consists of various components including a body, lid, control panel, ventilation grid, evaporator, ice tray, ice shovel, water tank, infrared diode, water filter, drain plug, and more.

Safety Measures and Operation Recommendations:

It is important to read the instruction manual carefully before using the ice generator. Keep it for future reference. Do not allow children to play with polyethylene bags or packaging film to avoid the danger of suffocation.

Brief Description of Operating Principle:

The ice generator operates similarly to a refrigerator but with specific changes. It includes a compressor, evaporator, condenser, and water pump. The compressor pumps refrigerant that cools to below zero temperature, freezing water on the evaporator surface to form ice. Hot steam is then used to separate the ice for collection in the basket. The unit operates automatically without the need for manual control.

FAQ

Q: Can I use this ice generator for commercial purposes?

A: No, the unit is intended for household use only. Commercial or laboratory use is prohibited.

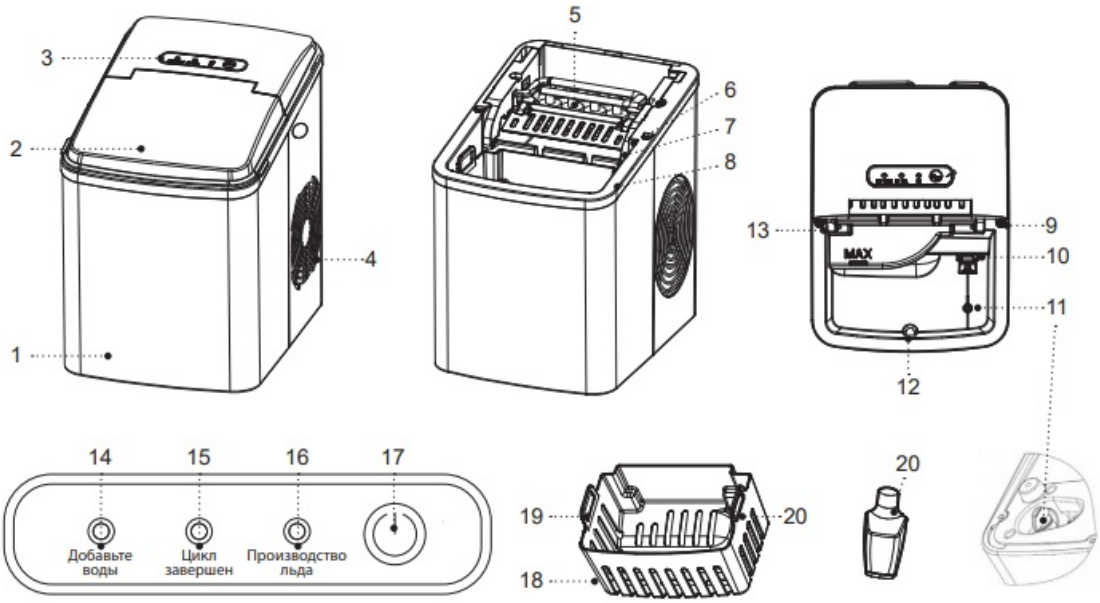
Q: How long does it take to make a batch of ice?

A: The time taken to freeze water and form ice typically ranges from 7 to 15 minutes depending on ambient temperature and water temperature in the tank.

Ice generator is a household device for quick making ice.

DESCRIPTION

1. Body
2. Lid
3. Control/indication panel
4. Ventilation grid
5. Evaporator
6. Ice tray
7. Ice shovel
8. Water tank
9. Infrared diode
10. Water filter
11. Drain plug
12. Maximum water level mark “MAX”
13. Photodetector
14. Indicator of the end of water in the tank “Add water”
15. Ice basket full indicator “Basket full”
16. Operating/standby indicator “Ice”
17. Ice generator On/Off button “On/Off”
18. Ice basket
19. Basket handles
20. Ice scoop



ATTENTION!
For additional protection it is reasonable to install a residual current device (RCD) with nominal operation current

not exceeding 30 mA into the mains. To install RCD, contact a specialist.

SAFETY MEASURES AND OPERATION RECOMMENDATIONS

Please read the instruction manual carefully before using the ice generator and keep it for future reference.

- Use the ice generator only for its intended purpose as described in this manual.
- Mishandling the ice generator can lead to its breakage and cause harm to the user or damage to the user's property and is not covered under warranty.
- Use only the accessories included in the package.
- Do not store any foreign objects in the ice generator.
- Make sure that the operating voltage of the ice generator indicated on the label corresponds to the mains voltage.
- The power cord plug is equipped with a grounding contact; insert it into the mains socket with reliable grounding contact. In case of short circuit the grounding reduces the risk of electric shock.
- Contact an electrical technician if you are not sure that your sockets are installed properly and grounded.
- To prevent fire, do not use «adapters» designed to connect the power cord plug to the mains socket having no grounding contact.
- If you must use an electrical extension cord, use only a 3-wire electrical extension cord with the grounding contact on the power plug and the mains socket. The wire cross-section marking on the ice generator's power cord and the marking on the extension cord must match.
- In case of sparking in the mains socket and occurrence of smell of burning, unplug the unit and apply to the organization maintaining your home mains.
- If smoke appears from the body of the ice generator, unplug the unit and take measures to prevent fire spreading.
- Do not use the ice generator outdoors.
- It is not recommended to use the unit during lightning storms.
- Protect the unit from impacts, falling, vibrations and other mechanical stress.
- Do not run the ice generator without water.
- Do not fill the ice generator with water directly from the faucet; to fill the ice generator use a suitable bowl.
- Place the ice generator on a flat, stable surface with a minimum distance of 15-20 cm from the wall or furniture to the ice generator.
- Provide easy access to the power cord plug to quickly disconnect the ice generator.
- Do not install the unit at an angle of slope of more than 45 degrees.
- Do not overturn the ice generator; if the ice generator has been overturned, install it correctly and wait at least 2 hours before switching it on.
- Do not leave the ice generator plugged in unattended.
- Do not use the ice generator in proximity to the kitchen sink, in bathrooms, near swimming pools or other containers filled with water. If the unit has been dropped into water, unplug it immediately and only then you can take the unit out of water. Apply to the service center for testing or repairing the ice generator.
- The ice generator is designed to operate in an ambient temperature range of 10°C to 32°C and the tank water temperature should be between 8°C and 25°C.
- Do not use the ice generator near heating appliances, heat sources or open flame.
- Do not use the ice generator in places where aerosols are used or sprayed and close to inflammable liquids.

- Place the ice generator on a flat, stable surface; do not place it on the edge of a table. Do not let the power cord hang from the edge of the table and make sure it does not touch hot surfaces or sharp edges of furniture.
- Do not touch the power cord and the power plug with wet hands.
- Make sure that the water level in the ice generator is not above the maximum level.
- Unplug the ice generator before cleaning or when not in use. When unplugging the ice generator hold only the power cord plug and carefully remove it from the mains socket, do not pull the power cord – this can lead to damage of the power cord or the socket or cause short circuit.
- To avoid electric shock do not immerse the ice generator into water or any other liquids.
- For safety reasons, do not leave plastic bags used for packaging unkept or within the reach of children. **ATTENTION!** Do not allow children to play with polyethylene bags or packaging film. Danger of suffocation!
- The ice generator is not intended for use by children.
- Do not leave children unattended to prevent using the unit as a toy.
- Do not allow children to touch the unit and the power cord during the ice generator operation.
- Place the unit out of reach of children during the operation.
- The unit is not intended for usage by physically, sensory or mentally disabled persons (including children) or by persons lacking experience or knowledge if they are not under supervision of a person who is responsible for their safety or if they are not instructed by this person on the usage of the unit.
- Periodically check the condition of the power cord and power cord plug.
- If the power cord is damaged, it should be replaced by the manufacturer, a maintenance service or similar qualified personnel to avoid danger.
- Do not cover the ventilation grid on the unit body and keep it clean; this affects the efficiency of the ice generator operation.
- The presence of refrigerant creates a hazard for anyone other than service personnel when performing maintenance or repairs on this unit.
- Avoid damaging the cooling circuit. If a significant refrigerant leak is detected, immediately disconnect the ice generator from the electrical network by unplugging the power cord from the mains socket, open windows and doors to ventilate the room, do not smoke or use open flames, contact the service center.
- Do not repair the unit by yourself. Do not disassemble the unit by yourself, if any malfunction is detected, and after it was dropped, unplug the unit and apply to the service center.
- Transport the ice generator in its original packaging in an upright position.
- Store the unit upright and out of the reach of children and people with disabilities.

THE UNIT IS INTENDED FOR HOUSEHOLD USE ONLY; USING THE UNIT FOR COMMERCIAL OR LABORATORY PURPOSES IS PROHIBITED.

BRIEF DESCRIPTION OF THE ICE GENERATOR'S OPERATING PRINCIPLE

- The operating principle of the ice generator is similar to the operation of a refrigerator, but with some changes.
- The main parts and components of the ice generator include: compressor, evaporator (5), condenser, water pump.
- The compressor pumps refrigerant, which is cooled by the radiator and fan to ambient temperature, and then, leaving the capillary channel, it expands and its temperature drops below zero.
- Water is pumped into the evaporator (5) using a pump; as a result of cooling, the water freezes on the surface of the evaporator (5) within 7-15 minutes forming ice. The time it takes for water to freeze depends on the

ambient temperature and the temperature of the water in the ice generator tank.

- As soon as the ice freezes, the ice tray (6) tilts back and the remaining water from the tray is drained back into the tank (8). To separate the ice from the evaporator, hot steam is directed at it; as a result, the ice is easily separated from the evaporator and falls into the basket.
- After this, the ice tray (6) automatically returns to its position under the evaporator (5) and the next ice freezing cycle begins.
- To prevent the ice basket from overflowing, the unit has an infrared sensor for filling the basket; if you take a certain amount of ready-made ice from the basket, the ice generator starts a cycle of preparing a new portion of ice until the basket is filled with ice again. The ice generator operates fully automatically; you do not need to control its operation.

BEFORE USING THE ICE GENERATOR

After transporting or storing the unit at low temperatures, it must be kept at room temperature for at least 3 hours.

- Unpack the ice generator and remove all packaging materials.
- Keep the original package.
- Read the safety measures and operating recommendations.
- Check the delivery set.
- Examine the ice generator for damages; if it is damaged, do not plug it into the mains.
- Make sure that the supply voltage specified on the label matches that of the mains.
- Wipe the ice generator body (1) and the inner surface with a damp cloth, then wipe it dry.
- Open the lid (2), remove the ice basket (18) by holding the handles (19), wash the ice basket (18) and ice scoop (20) with warm water and neutral detergent, rinse and dry.
- Place the carrying handle (4) in place (Fig. 1). Slightly unclench the handle (4) and insert it at an angle into the holes on the body (1), make sure that the handle is installed correctly.
- Make sure that the drain plug (11) is in place (Fig. 1).

TIPS
For reasons of hygiene, it is not recommended to use ice from the first preparation cycle.

- Do not use the ice generator at a temperature below 5°C.
- The ice generator is designed to operate in ambient temperatures between 10°C and 32°C.
- Fill the tank with water at a temperature between 8°C and 25°C.
- Place the ice generator on a flat, stable surface with a minimum distance of 15-20 cm from the wall or furniture to the ice generator.
- Provide easy access to the power cord plug to quickly disconnect the ice generator.
- Do not install the unit at an angle of slope of more than 45 degrees.
- Do not overturn the ice generator; if the ice generator has been overturned, install it correctly and wait at least 2 hours before switching it on.
- Fill the tank with water at room temperature that has been purified by household
- water filters. Do not pour hot water into the tank as this may damage the ice generator.
- Due to rapid freezing, the ice may have a «milky» color due to the air contained in the water, but this does not affect the quality of the ice.

- If you need pure ice, use boiled, pre-cooled drinking water.
- It is recommended to change the water in the tank every 24 hours, otherwise sediment may form in the water and the ice will become cloudy.
- Clean the ice generator at least once a week.

USING THE ICE GENERATOR

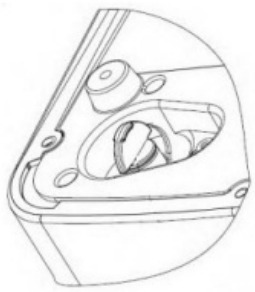
- Open the lid (2) of the ice generator and pull out the basket (18) by holding the handles (19).
- Pour water into the tank (8), without exceeding the maximum water level (12) «MAX».
- Place the basket (18) into place, close the lid (2).
- Plug the power cord into the mains socket; the ice generator will go into standby mode and the «Ice» indicator (18) will flash.
- Switch the ice generator on by pressing the On/Off button «On/Off» (17), the ice generator will go into ice freezing mode and the «Ice» indicator (18) will glow continuously.
- The ice freezing cycle lasts approximately 7-15 minutes depending on the temperature of the water and the environment.
  Note: when the ice generator is switched on, the compressor is switched on, so the operation of the ice generator is accompanied by a certain noise (by analogy with a household refrigerator).
- To stop the ice generator, press the On/Off button «On/Off» (17) again, the «Ice» indicator (18) will flash.
- When the basket (18) is filled with ice, the ice generator will stop operating and the «Basket Full» indicator (15) will light up in red. Open the lid (2) of the ice generator and pull out the basket (18) by holding the handles (19), use the scoop (20) to empty the ice from the basket (18) and place the basket (18) into place.
  Note: the infrared diode (9) and photodetector (13) monitor the filling process of the basket (18), so the diode (9) and photodetector (13) must always be kept clean.
- If the «Basket is full» indicator (15) lights up red, you can open the lid (2), remove the basket (18) and shake it slightly; if there is free space in it, put the basket (18) into place, close the lid (2), the ice generator will be switched on and the basket (18) will be filled with ice.
- When the water in the tank (8) runs out, the «Add water» indicator (16) will light up red.
- Before pouring water into the tank (8), switch off the ice generator by pressing the On/Off button «On/Off» (17), unplug the power cord from the mains socket, open the lid (2), pull out the basket (18) by holding the handles (19), pour water into the tank (8), without exceeding the maximum water level (12) «MAX», put the basket (18) into place, close the lid (2). Plug the power cord into the mains socket and switch on the ice generator by pressing the On/Off button «On/Off» (17).
  Note: Unless you unplug the power cord from the mains socket and switch the ice generator on again, the ice generator will begin making ice after 5 minutes.
- When the ice generator has finished operating, switch it off by pressing the On/Off button «On/Off» (17) and unplug the power cord from the mains socket.

CLEANING AND CARE

IMPORTANT!

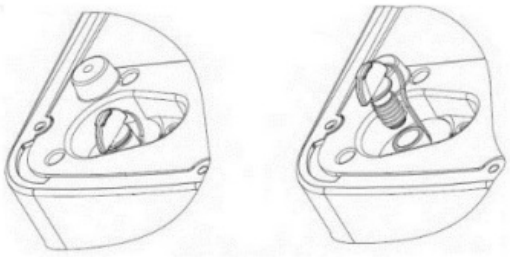
Clean the ice generator at least once a week.
After cleaning, make sure the inner surfaces of the ice generator are dry, otherwise mold may form.

- Before cleaning the ice generator, switch it off by pressing the On/Off button «On/Off» (17) and unplug the power cord from the mains socket.
- Allow the ice generator to warm up to room temperature.
- Do not immerse the ice generator, the power cord or the power plug into water or any other liquids.
- If there is any water left in the tank, pour it out. To do this, pull out the unit to a distance of 60 mm from the table (Fig. 2), place a suitable container to collect water and pull out the drain plug (11) (Fig. 3).
- Open the lid (2) of the ice generator and pull out the basket (18) by holding the handles (19).
- Wipe the inner surface of the ice generator with a soft cloth soaked in a 1:1 solution of table vinegar. After this, rinse the inner surface with clean water and drain all water.



Pic. 1

Pic. 2



Pic. 3

Attention! To avoid damages, do not clean the evaporator (5).

- Reinstall the drain plug (11) (Fig. 1).
- Wash the ice basket (18) and ice scoop (20) with warm water and neutral detergent, rinse and dry them.
- If there is dirt on the infrared diode (9) and photodetector (13), wipe them with a dry cloth.
- Keep the ventilation grid (4) clean, you can clean it with a vacuum cleaner using a respective attachment.
- Wipe the ice generator body (1) with a damp cloth, then wipe dry. If necessary, use a neutral detergent.
- Do not allow liquid to enter the ice generator body (1).
- Do not use wire brushes, abrasive cleaners or solvents.

STORAGE

- Before taking the ice generator away for long storage, unplug it and allow the unit to warm up to room temperature.
- Clean the ice generator.
- Before storing the ice generator, make sure the inner surfaces are completely dry.
- Store the ice generator upright in a cool, dry place out of the reach of children and disabled people.

TROUBLES AND TROUBLESHOOTING

Malfunction	Possible reason	Solution
The ice generator is not switched on.	No electricity at the mains socket. The power cord is not fully inserted into the mains socket.	Plug a known working electrical device into the mains socket. Make sure the power cord is firmly inserted into the mains socket.

The «Add water» indicator is glowing.	Not enough water.	Add water without exceeding the max imum level mark, the ice generator wil l automatically resume operation. Or r estart the ice generator.
The «Basket full» indicator is glowing.	The ice basket is full.	Remove ice from the ice basket.
Ice cubes stick together.	The ice production cycle is too lon g. The water temperature in the wate r tank is too low.	Change the water in the water tank. F ill the tank with water which temperat ure should be between 8°C and 25°C.
The ice generator is working norm ally, but no ice is being produced.	The air or water temperature in the water tank is too high. Ice generator malfunction. Refrigerant leak.	The ice generator is designed to oper ate in ambient temperatures between 10°C and 32°C with water temperatur es between 8°C and 25°C. Contact a service center to have the i ce generator repaired.

DELIVERY SET

1. Ice generator – 1 pc.
2. Instruction manual – 1 pc.

TECHNICAL SPECIFICATIONS

- Power supply: 220-240 V ~ 50 Hz
- Rated input power: 120 W
- Climate class: ST/SN/N/T
- Refrigerant/refrigerant quantity: R600a/23g
- Size (L x W x H): 310*230*325 mm
- Net weight: 8.3 kg

RECYCLING

- To prevent possible damage to the environment or harm to the health of people by uncontrolled waste disposal, after expiration of the service life of the unit or the batteries (if included), do not discard them with usual household waste, take the unit and the batteries to specialized stations for further recycling.
- The waste generated during the disposal of products is subject to mandatory collection and consequent disposal in the prescribed manner.
- For further information about recycling of this product apply to a local municipal administration, a household waste disposal service or to the shop where you purchased this product.
- The manufacturer reserves the right to change the design, structure and specifications not affecting general operation principles of the unit, without prior notice.

- The unit operating life is 3 years
- The manufacturing date is specified in the serial number.
- In case of any malfunctions, it is necessary to apply promptly to the authorized service center.

Hergestellt für «Ruste GmbH», Berggasse 18/18, 1090 Wien, Osterreich
Produced for «Ruste GmbH», Berggasse 18/18, 1090 Vienna, Austria
т.: +7 (495) 297-50-20,
e-mail: info@brayer.su
Made in China

brayer.ru

Documents / Resources

	BRAYER BR6301 Ice Generator [pdf] Instruction Manual BR6301 Ice Generator, BR6301, Ice Generator, Generator

References

- BRAYER - официальный сайт австрийского бренда бытовой техники
- User Manual

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