

60L-1F - 110L-2F



700806 - 700809

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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

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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.

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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.

- Do not drill hole in the appliance nor install any objects on it.
- Do not place any heavy objects on the appliance.

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:

- Cooling of bottled and canned beverages.

The appliance is intended for operation in maximum ambient temperature of 38°C.

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.

The following is an unintended use:

- Storing flammable or explosive objects and liquids, such as ether, petroleum or adhesives;
- Storing explosive materials, like sprays filled with flammable propellants;
- Storing pharmaceutical products or preserved blood;
- Storing live pets.

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.

The warranty period for this appliance is 24 months, counted from the purchase date.

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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.

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

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:	Impulse cooler 60L-1F
Art. No.:	700806
Material:	stainless steel, plexiglas, plastic
Display area material:	stainless steel
Display area dimensions (W x D), in mm:	600 x 340
Number of partitions:	1
Usable inner height:	450
Volume, in l:	60
Temperature range, min.–max., in °C:	2 - 8
Temperature control levels:	8
Coolant, amount in kg:	R290 / 0,060
Climate class:	ST
Swivel castors:	-
Connected load:	0,175 kW 220-240 V 50/60 Hz
Dimensions (W x D x H), in mm:	690 x 450 x 1010
Weight, in kg:	39,0

We reserve the right to implement technical modifications.

Name:	Impulse cooler 110L-2F
Art. No.:	700809
Material:	stainless steel, plexiglas, plastic
Display area material:	stainless steel
Display area dimensions (W x D), in mm:	600 x 340
Number of partitions:	2
Usable inner height:	350
Volume, in l:	110
Temperature range, min.–max., in °C:	2 - 8
Temperature control levels:	8
Coolant, amount in kg:	R290 / 0,065
Climate class:	ST
Swivel castors:	4 swivel casters, 2 with brake
Connected load:	0,185 kW 220-240 V 50/60 Hz
Dimensions (W x D x H), in mm:	547 x 753 x 1010
Weight, in kg:	43,0

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We reserve the right to implement technical modifications.

Version / Characteristics

- Cooling:
 - circulating air
 - compressor
- Thermostat
- Control: rotary control knob
- Digital display
- Indicator lights:
 - ON/OFF
 - Lighting
- Automatic defrost function
- Evaporation of condensed water
- Internal LED lighting
- Special features:
 - view of chilled products from 3 sides (700806)
 - all-round view of chilled products (700809)
 - small footprint

4.2 Functions of the Appliance

The impulse cooler is perfect for goods distribution areas at petrol stations, in supermarkets, kiosks or DIY stores. Suitable bottles and cans with beverages are introduced into the cooler from the top, and then they are chilled at the set temperature through the required period of time. Cooling with circulating air provides for even distribution of chilled air inside the appliance. The temperature range is 2–8°C.

4.3 List of Components of the Appliance

700806



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- | | |
|----------------------------|----------------------------------|
| 1. Temperature indicator | 2. Hinged lid |
| 3. Internal LED lighting | 4. Internal ventilation openings |
| 5. Rounded plexiglass pane | 6. Display area |
| 7. Housing | 8. Feet (3 pcs) |
| 9. Ventilation openings | 10. Back wall |
| 11. Control elements | |

Fig. 1

700809



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Fig. 2

- 1. Hinged lid (2 pcs)
- 2. Internal LED lighting
- 3. Partition — plexiglass wall
- 4. Internal ventilation openings
- 5. Display area (2 pcs)
- 6. Rounded plexiglass pane
- 7. Swivel castors, 4 pcs, 2 with brakes
- 8. Housing
- 9. Ventilation openings
- 10. Control elements

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.
- In order to avoid damage to the compressor, do not tilt the appliance more than 45° when positioning or transporting it.
- 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.
- Do not block nor cover the ventilation openings nor air inlet or air outlet of the appliance.
- Place the appliance so that sufficient air circulation is ensured. Do not block nor cover ventilation openings in the rear wall of the appliance.

Installation and operation

- Leave at least 10 cm clearance from walls and other objects.
- Lock the swivel castors with the parking brake when the **700809** appliance is set in a suitable location.
- Compensate for smaller unevennesses of flooring in the place of installation of **700806** appliance through screwing in and out of the height-adjustable feet.

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.
- Prior to first use, the appliance should be installed and left standing upright for at least 2 hours, before it is connected to power supply.
- After a power failure or when the plug is removed from the socket, do not reconnect the appliance to power supply for at least 5 minutes.

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5.2 Operation

Tips for the User

- Beverages in bottles or cans should be arranged on the display area so that proper distances between them allow for sufficient air circulation inside the appliance. Insufficient distances hinder the cooling effect.
- To limit the loss of cold air, minimize the opening time of hinged lid during operation.
- If possible, in the event of a sudden power failure, avoid opening the lid of the appliance in order to avoid loss of cool air.

Preparation of Appliance

1. Before the first use, clean the appliance thoroughly according to the instructions included in section 6. '**Cleaning**'.
2. Then dry the appliance well.
3. Close the appliance lid(s).
4. After cleaning and prior to connecting the appliance for power, wait for approx. 30 min.

Control Elements

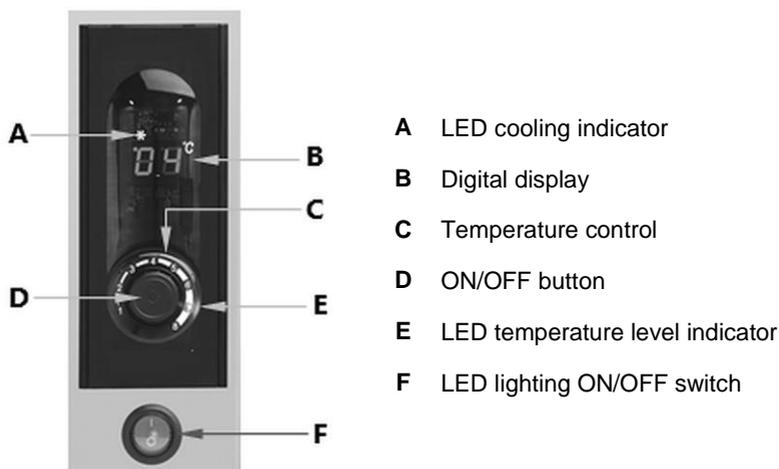


Fig. 3

Messages

1. The **LED cooling indicator**: this LED indicator is lit during cooling and blinks during delay.
2. The **LED temperature level indicator**: when the temperature level is set, appropriate LED indicator is lit.

Appliance Start-Up / Setting

1. Plug the appliance into a suitable single socket.
2. Press and hold the ON/OFF button in the middle of the temperature controller for at least 3 seconds to switch the appliance on.

The measured internal temperature will be shown in the digital display. The appliance starts up with a delay.

In the case of the **700806** appliance, the inner temperature is displayed in the temperature display at the back of the appliance (1, Fig. 1).

3. Rotate the temperature controller clockwise or counter-clockwise, until the required temperature level is reached (1–8).
4. Press the ON/OFF button once to save the setting.

The LED temperature level indicator lights up in red with the right temperature level setting.

The inner temperature is displayed in the digital display (temperature display).

If the ON/OFF button is not pressed, the inner temperature is displayed after 6 seconds.

NOTE!

Temperature level settings 1–8 do not represent the actual temperature inside the appliance.

The inner temperature is higher, when the digit is lower.

The inner temperature is lower, when the digit is higher.

5. Beverages in bottles or cans should be placed in the appliance only when it reaches the required temperature.

ATTENTION!

The appliance features cooling with circulating air, which is provided by ventilation openings in the display area (and partition).

During filling, in order not to deteriorate the cooling effect, pay attention not to obstruct nor block the ventilation openings.

6. If needed, the temperature may be altered with temperature controller.

Switching the LED Lighting On/Off

1. If needed, switch the LED lighting on, using the right ON/OFF switch, and setting it to 'I' position.

A red mains control light in the switch will light up.

2. In order to switch the lighting on, set the LED lighting ON/OFF switch to 'O' position.

Switching the Appliance Off

1. If the appliance is not to be used any more or is to be cleaned, press and hold the ON/OFF button in the middle of the temperature controller pressed for at least 3 seconds.

The appliance is being switched off.

The digital display shows '—'.

2. After use, disconnect the appliance from the mains power supply (pull the plug out).

6 Cleaning and Maintenance

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. Wash the appliance regularly.
2. Remove all objects from the appliance.
3. Clean the display area, plexiglass partition, plexiglass pane from the inside, as well as hinged lid(s) with a soft, damp cloth. Use a mild cleaning agent if required.
4. Clean the plexiglass pane and housing from the outside with a soft, damp cloth.
5. Wipe cleaned surfaces with a cloth moistened in fresh water.
6. Finally, thoroughly dry all cleaned surfaces with a soft cloth.
7. Leave the lid(s) open for the appliance to dry completely.

6.3 Maintenance

Let the appliance to be inspected by professional technician at least once a year or as required.

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.

Problem	Possible Cause	Solution
No cooling	The plug is not properly connected to the socket	Check the plug and insert it properly in a socket
	Electric power supply safety fuse damaged	Check the fuse, connect the appliance to another socket
	No power supply	Check the electric power supply
Insufficient cooling efficiency	Direct sunlight or heat sources in immediate vicinity	Move the appliance away from heat sources
	Poor air circulation around the appliance	Keep sufficient clearance from walls or other objects
	Ventilation openings obstructed or blocked	Keep ventilation openings free
	Hinged lid is not closed entirely, opened too frequently or its opening times period are too long	Close the hinged lid tightly; limit the lid opening times to minimum
	Too little clearance between objects inside the appliance or too many objects in the appliance	Provide for sufficient clearance between objects inside the appliance; remove the excess of objects

Possible Malfunctions

Problem	Possible Cause	Solution
Compressor operates too long	At the first start-up	This is normal and is not a malfunction
	Ambient temperature in summer is too high	This is normal and is not a malfunction

The following phenomena are not malfunctions:

- During normal operation, a sound of water flowing is heard. This is a sound of coolant flowing through the installation.
- Water vapour condensation on plexiglass panes in high air humidity conditions is a normal occurrence. Wipe the water vapour out with a soft, dry cloth.

8 Disposal

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.