

# 1400T1S2



**110900**

**ENGLISH**

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**Read these instructions before using and keep them available at all times!**

This instruction manual contains information about the installation, operation and maintenance of the device and should be consulted as an important source of information and reference guide.

Awareness of the safety instructions and instructions for use in this manual will ensure the safe and correct use of the device.

In addition to the information given here, you should comply with any local Health and safety Controls and generally applicable safety regulations.

The instruction manual forms part of the product and should be kept near the device and easily accessible for anyone carrying out the installation, servicing, maintenance or cleaning.

Please keep these instructions and give them to future owners of the device.

## 1. Safety

This device is designed in accordance with the presently applicable technological standards. However, the device can pose a danger if handled improperly and inappropriately.

All persons using the device must follow the recommendations and instructions in this manual.

### 1.1 Key to symbols

In this manual, symbols are used to highlight important safety instructions and any advice relating to the device. The instructions should be followed very carefully to avoid any risk of accident, personal injury or material damage.



**WARNING!**

This symbol highlights hazards which could lead to injury.



**WARNING!**

This symbol highlights dangerous situations which could lead to injury or death.



**HOT SURFACE!**

This symbol is a warning that the device surface is hot when in use. Ignoring this warning may result in burns!



### CAUTION!

This symbol highlights dangerous situations which could lead to light injuries, or damage, malfunction, and/or destruction of the device.



### NOTE!

This symbol highlights recommendations and information aimed for effective and trouble-free device operation.

## 1.2 Safety instructions

- The device is not intended for use by individuals (including children) with physical or mental disabilities, insufficient experience, and/or insufficient knowledge unless such persons are under the care of a person responsible for their safety or have received instructions regarding appropriate use of the device.
- Children should be observed to ensure that they are not playing with the device.
- **Do not** move or tilt the device when in operation.
- Only use the device indoors.
- This device may only be operated in technically proper and safe condition.
- Prevent access of children to the package materials like plastic bags and foamed polystyrene elements. **Suffocation hazard!**
- Only a qualified technician and using original spare parts and accessories should carry out repairs and maintenance of the device. **Do not attempt to repair the device yourself.**

- Do not use any accessory or spare parts that have not been recommended by the manufacturer. These can be dangerous for the user or lead to damages of the device or personal injury, and further, the warranty expires.
- To prevent hazards and to ensure optimum efficiency, no modifications or alterations to the device that are not explicitly approved by the manufacturer may be undertaken.



## **DANGER! Electric shock hazard!**

To avoid the hazard results please follow the safety instructions below.

- Never allow the power cable to come into contact with heat sources or sharp edges. The power cable should not hang over the side of the working surface. Ensure that no one can step on or trip over the cable.
- The power cable must not be folded, bent or tangled, and must always remain fully unrolled. Never place the device or other objects on the power cable.
- Do not lay the power cable over carpets or other inflammable materials. Do not cover the cable. Keep away the cable from operating range and do not immerse it into water.
- 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.
- The supply cable must be disconnected from the socket only by pulling the plug.
- Never carry or lift the device by the supply cable.

- In any case do not open the device housing. In case of electrical or mechanical modifications the **electric shock hazard** will occur.
- Never immerse the power cord or plug in water or other liquids.
- Do not use any acid agents and make sure no water ingresses the device.
- **Never** operate the device with moist hands or standing on wet floor.
- Disconnect the device from the electric power supply:
  - when the device is not used,
  - in case of anomalies during operation,
  - before cleaning.



**HOT SURFACE! Burn hazard!**

To avoid the hazard results please follow the safety instructions below.

- During normal use, the condenser and compressor surfaces may be hot. To avoid burning your palm or hands, do not touch them with your bare hands. Wear protective gloves!



**WARNING! Fire or explosion hazard!**

To avoid the hazard results please follow the safety instructions below.

- Do not store the flammable or explosive substances in the device, like ether, kerosene, or glues.
- Do not clean the device with use of flammable liquids. The released vapours may cause fire or explosion.

- Do not store gasoline or other flammable substances in the vicinity of the device. The vapours may cause fire or explosion.
- Do not store the explosive objects in the device, like cans with explosive work substances.
- Do not allow for the cooling circuit damages.

## 1.3 Proper use



### CAUTION!

**The device has been designed and constructed only for commercial use and should be operated by qualified personnel of restaurants, cafeterias and similar facilities.**

The operational safety of the device is assured only in case of proper use, according to the operation manual.

All technical activities like installation and maintenance must be performed by the qualified service personnel only.

**The refrigerated counter as substructure is designed only for cooling, preparation, and sale of salads, fruits, vegetables, and cold food.**

**The refrigerated counter as substructure should not be used for:**

- storing of the flammable or explosive materials or fluids, like ether, alcohol, kerosene, or glues;
- storing of pharmaceutical products or preserved blood.



### CAUTION!

**Any use going beyond the intended purpose and/or any different use of the device is forbidden and is not considered as conventional.**

**Any claims against the manufacturer or his authorized representative as a consequence of experiencing damages resulting from unconventional use are impossible.**

**The operator is liable for all damages resulting from inappropriate use.**

## 2. General information

### 2.1 Liability and Warrantees

All the information and instructions in this manual take into account standard safety regulations, current levels of technical engineering as well as the expertise and experience we have developed over the years.

The instruction manual was translated with all due care and attention. However, we do not accept liability for any translation errors. The German version of this instruction manual is definitive.

If the delivery consists of a special model, the actual scope of delivery may differ from the descriptions and illustrations in this manual. This is also the case for special orders or when the device has been modified in line with new technology.



#### **CAUTION!**

**Read this manual carefully and thoroughly before any operation of the device, and especially before turning it on!**

Manufacturer **is not liable** for any damages or faults caused by:

- violation of advice concerning operation and cleaning;
- use other than designed;
- alterations made by user;
- use of inadequate spare parts.

We reserve the right to make technical changes for purposes of developing and improving the useful properties.

### 2.2 Copyright protection

The instruction manual including any texts, drawings, images or other illustrations is copyright. No part of this publication may be reproduced, transmitted or used in any form or by any means without permission in writing from the manufacturer. Any person who commits any unauthorized act in relation to this publication shall be liable to claims for damages. All rights reserved.



#### **NOTE!**

**The contents, texts, drawings, pictures and any other illustrations are copyright and subject to other protection rights. Any person unlawfully using this publication is liable to criminal prosecution.**

### 2.3 Declaration of conformity



The device complies with the current standards and directives of the EU. We certify this in the EC declaration of conformity. If required we will be glad to send you the according declaration of conformity.



## 3. Transport, packaging and storage

### 3.1 Delivery check

Please check the delivery upon completeness and transport damage immediately after receipt. In case of visible damage do not accept or accept the delivery with reservation only.

Note the extent of damage on the carrier's bill of delivery. Trigger off the complaint.

Hidden damages should be reclaimed immediately after notice, as claims for damages can only be asserted within the effective period for complaints.

### 3.2 Packaging

Please do not throw away the covering carton of your device as it might be useful for storage purposes, when moving or, in case of damages, when the device must be sent back to a repair center. The outer and inner packing material should be removed completely from the device before installation.



#### **NOTE!**

**If you liked to dispose the packing, consider the regulations applicable in your country. Supply re-usable packing materials to the recycling.**

Please inspect the device upon completeness. In case any part is missing please contact our customer service center immediately.

### 3.3 Storage

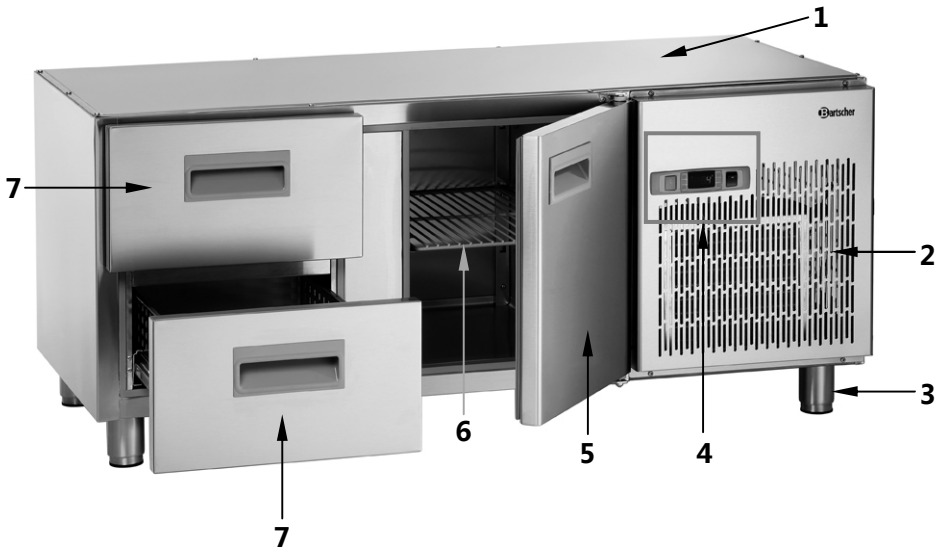
Keep the package closed until installation and under consideration of the outside indicated positioning- and storage markings.

Packages should be stored under consideration of the following:

- do not store outdoors;
- keep it dry and dust-free;
- do not expose it to aggressive media;
- do not expose it to direct sunlight;
- avoid mechanical shocks and vibration;
- in case of longer storage (> 3 months) make sure you check the state of the packaging and the parts regularly, if required refresh or renew.

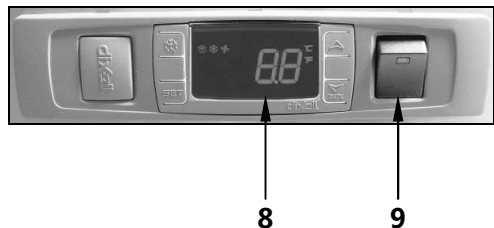
## 4. Technical data

### 4.2 Overview of parts



#### Control elements

- 1** Housing
- 2** Ventilation holes
- 3** Feet (4)
- 4** Control elements
- 5** Door
- 6** Grid 1/1 GN (1)
- 7** Drawers (2)
- 8** Digital temperature controller
- 9** ON / OFF switch with integrated lamp (green)



## 4.1 Technical specification

<b>Name</b>	<b>Refrigerated counter as substructure 1400T1S2</b>
Code-No.:	<b>110900</b>
Material	High-grade stainless steel
Realization	<ul style="list-style-type: none"><li>▪ <b>2 drawers</b>, cooled, internal dimensions of each drawer: W 305 x D 520 x H 145 mm</li><li>▪ <b>1 cabinet</b>, cooled, internal dimensions: W 388 x D 540 x H 454 mm 3 shelves with adjustable height, right door</li><li>▪ cooling with circulating air</li><li>▪ electronic control</li><li>▪ evaporation of condensed water</li><li>▪ thermostat</li><li>▪ <b>ON/OFF</b> switch</li><li>▪ digital display</li><li>▪ freon-free</li></ul>
Capacity:	120 litres
Power supply:	0.507 kW / 230 V 50 Hz
Temperature range:	0°C – 10 °C
Cooling medium:	R134a
Dimensions:	W 1400 x D 682 x H 625-660 mm
Weight:	86.0 kg
Includes:	1 grid 1/1 GN

Subject to technical changes!

## 5. Installation and operation

### 5.1 Installation



#### CAUTION!

All installation, assembly and maintenance work must be performed by specialists with relevant professional qualifications (approved by the manufacturer or seller) while observing the applicable law in the country in which the installation is performed as well as the regulations regarding the safety of the product and workplace.

#### Unpacking and positioning

- Remove external package (wooden crate and/or carton box) and dispose of them according to the valid regulations of a country where the device is installed.
- Remove all accessories, information materials, and plastic bags from the device.
- Check completeness of delivery.
- The refrigerated counter is designed for installation under the work surface.
- Place the device on a firm, dry, level and waterproof surface adapted to the impact of high temperatures and sufficient load-bearing capacity for the weight of the device including the entire contents.
- **Never** place the device on flammable surfaces.
- **Do not** place the device in the vicinity of an open flame, electric ovens, heating stoves or other heat sources, such as direct sunlight. High temperatures may adversely affect cooling performance and power consumption.
- Place the device in such a way as to ensure proper circulation of air. **Never** cover or block ventilation holes of the device.
- Do not place the device in places of high air humidity. The excessive humidity may damage the device. The device reaches its optimal operational conditions in environment temperature from 10°C to 30°C and relative air humidity from 30 to 55% in the installation place.
- Do not use doors, door handles and other protruding parts of the device as the support during transportation. Move the device only by lifting it with appropriate transport device (e.g. forklift), to avoid damaging feet or other components.
- After arranging the device at the desired place, tighten/loosen the adjustable feet until the device is standing straight.

- Before the first use, remove the protection foil from the device. Remove it slowly to ensure no glue residues remain. Remove possible glue residues with appropriate solvent.



## **CAUTION!**

**Never remove the rating plate and any warning signs from the device.**

- Place the device so that the plug is easily accessible so as to quickly disconnect the device if the need arises.

## Connection



## **DANGER! Risk of electric shock!**

**The device can cause injuries due to improper installation! Before installation and connecting the local power grid specification should be compared with that of the device (see rating plate). Connect the device only in case of compliance!**

**Connect the device only to properly installed single socket with protective terminal.**

- If the device was transported in vertical position, wait 2 hours before connecting the device to the power supply (embedded condenser).
- After a power failure or if the plug is removed, the device should not be connected to the power supply for at least 5 minutes.
- The electrical circuit in the socket must be secured to at least 16A. Only connect the device directly to the wall socket; do not use any extension cords or power strips.

## 5.2 Operation



### CAUTION!

Carefully read this operation manual as it contains instructions for safety and operation of the device.

Keep the manual for later use.

Improper installation, operation, maintenance and cleaning, as well as any modifications may cause incorrect operation, damages, and injuries.

### Before the first use




- Before use clean the device and accessories according to **section 6 „Cleaning and maintenance“**.
- Connect the device to the single grounded socket.
- Turn the device on by pressing **ON/OFF** switch located on the control panel, next to the temperature controller.
- Green lamp will come on. The digital display shows current temperature in the device.
- The device should reach the required temperature before filling with food products.

### Digital temperature controller

Basic settings of the temperature are pre-set and reflect the operating temperature in the range of 0 °C – 10 °C inside of the device. During normal operation of the device the digital display indicates the current temperature inside of the device.



#### Button Functions

- SET** Display a required value, select parameters in programming mode or save the procedure
-  Manual start of defrost
-  In programming mode, select a parameter code, increase the displayed value
-  In programming mode, select a parameter code, decrease the displayed value

## Combination of buttons

To activate or deactivate some of the functions you may need to press more than one button at the same time.



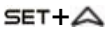
**Block or unblock the buttons:**

- to block, press both buttons and hold longer than 3 seconds, until you see **"OFF"** on the display;
- to unblock, press both buttons and hold longer than 3 seconds, until you see **"ON"** on the display.



**Switch to programming mode:**

- press both buttons and hold for 3 seconds, LED **°C** or **F** flashes, and you can start programming.



**Return to a previous indication:**

- press both buttons to leave the programming mode and return to a previous displayed value (temperature inside of the device).

## LED indicators

LED indicators on the digital display indicate the active function:



LED	Display	Meaning
	<b>illuminates</b>	compressor active
	<b>flashes</b>	delayed
	<b>illuminates</b>	defrost in progress
	<b>flashes</b>	defrost delayed
	<b>illuminates</b>	Indicated in °C
	<b>flashes</b>	in programming mode
	<b>illuminates</b>	Indicated in °F
	<b>flashes</b>	in programming mode

## Operation and settings

### Indication of required value

- shortly press button **SET** to show the required temperature;
- press button **SET** again or wait 5 seconds to return to the previous indication.

### Change of required value (required temperature)

- press and hold button **SET** for at least 3 seconds;
- the required value will be displayed and the diode **C** or **F** will flash on the display;
- use button  or  to decrease or increase the value until the display shows the required value;
- confirm new value with button **SET** or wait 10 seconds for the automatic storing of set value.



### NOTE!



**If you need other settings or parameters, please download the attached description of the temperature adjustment or leave this task to customer service employees.**

## Turning the device off

When the device is not used anymore, turn it off with **ON/OFF** switch and disconnect from the power supply (pull the plug!).

## Defrosting


### Automatic defrosting


The device is automatically defrosted four times within 24 hours. The clock starts upon first activation. If the automatic defrosting is to be carried out at other times, press  for more than 2 seconds. The digital display shows „“.

Defrosting will start right away, the next defrosting will take place after 6 hours.



## Defrosting manually

In addition to automatic defrosting, manually defrosting can be activated at any time, to do this, hold down the  for more than 2 seconds.

Manual defrosting commences. The digital display shows „“.



### NOTE!

**Condensed water is collected in the condensate container and evaporates automatically.**

## Tips for the user

- Fill the refrigerated counter with food products when required temperature appears on the display.
- Food prepared for serving should be placed in appropriate GN containers and then on the shelves or in the drawers.
- During the first filing or refilling of refrigerated counter always open and fill only one whelf to avoid tilting of the device.
- Do not put any warm food or liquids in the device, first cool the to the room temperature.
- Stored food products must be always covered or packed.
- While placing food products in the refrigerated counter keep in mind that sufficient space must be maintained between the internal walls of the device and stored food to assure free circulation of air in the device.
- The more items in the refrigerator and the longer the door is kept open, the greater the energy use.
- To limit loss of cold air minimize the opening time of door and drawers. Moreover door / drawers should not be opened too often.
- To avoid occurrence of unpleasant odour in the device follow the recommended storage periods and clean the device periodically.
- In case of power failure keep door and drawers closed to avoid losses of cold air from the device.

## 6. Cleaning and maintenance



### **WARNING!**

**Before cleaning disconnect the device from the power supply (pull the plug!).**

**Do not use pressurized water jet for cleaning the device!**

**Protect the device from the water penetration.**



### **CAUTION!**

**Never use aggressive cleaning agents, such as scouring powders, alcohol-based substances, or solvents which may damage the surfaces of the device.**

- Due to hygienic reasons the device must be cleaned regularly.
- Before cleaning remove the food products from the device and put them in the refrigerator to avoid decay.

### ***Equipment***

- Remove grid and GN containers and wash the thoroughly in warm water with neutral cleaning agent. Thoroughly rinse in clean water and dry.

### ***Refrigerated counter***

- Wash interior of refrigerated counter with food grade disinfectant and soft cloth. Wipe washed surfaced with clean water and thoroughly dry.
- Wipe external surfaces of refrigerated counter with moistened soft cloth. Use neutral cleaning agent when required.
- Finally dry and polish the surface with soft dry cloth.

## Condenser



### CAUTION!

**Contaminated condenser impairs the device operation and increases energy consumption!**

To maintain the device operation efficiency periodically (once a week) clean the condenser according to the instructions below.

- Before cleaning disconnect the device from the power supply (pull the plug!).
- Loosen 4 screws at the protective grid in front of the device and remove the grid. The condenser is now easily accessible.
- Clean the condenser, gently moving the vacuum cleaner suction nozzle or brush along the condenser ribs.
- After cleaning replace the protective grid.



### HOT SURFACE! Burn hazard!

**The condenser and compressor surfaces may become hot during normal operation. Do not touch them with bare hands to avoid burns. Use protective gloves!**

### When the device will not be used for a longer time:

- Disconnect the device from the socket (pull the plug!);
- Remove all food products from the device;
- Clean the device according to the instructions and dry it;
- Leave the door and drawers opened until the device is completely dry;
- Finally cover the device to protect it from dust and contamination.

## 7. Possible Malfunctions

In case of malfunction immediately disconnect the device from the power supply. Before contacting the customer service department or vendor check the troubleshooting table below.

Problem	Possible reason	Solution
<b>No cooling</b>	<ul style="list-style-type: none"> <li>• Plug improperly inserted into socket.</li> <li>• The device is turned off.</li> <li>• The current circuit fuse has tripped</li> <li>• Power supply failure.</li> <li>• Damaged temperature controller</li> </ul>	<ul style="list-style-type: none"> <li>• Remove the plug and insert it properly into the socket.</li> <li>• Turn the device on with use of <b>ON/OFF</b> switch</li> <li>• Check fuse, connect device to another socket</li> <li>• Check power supply</li> <li>• Contact the vendor.</li> </ul>
<b>Insufficient cooling efficiency</b>	<ul style="list-style-type: none"> <li>• Incorrect temperature setting.</li> <li>• The device is in defrosting phase.</li> <li>• There is heat source or direct sunlight in the device vicinity.</li> <li>• Poor air circulation in the device.</li> <li>• Stored food products are too hot.</li> <li>• The device is overfilled.</li> </ul>	<ul style="list-style-type: none"> <li>• Correct the temperature setting.</li> <li>• Wait until the device finishes defrosting, check cooling efficiency.</li> <li>• Assure sufficient distances to the heat sources.</li> <li>• Assure sufficient distances to the walls or other objects.</li> <li>• Cool food products before putting them in the device.</li> <li>• Alternatively remove some food products from the device.</li> </ul>

### When malfunction cannot be removed:

- **do not** open the housing,
- contact the customer service department or vendor and give the following information:
  - type of malfunction;
  - article number and serial number (see rating plate on the door shelf).

## 8. Waste disposal

### Discarding old devices

At the end of its service life the discarded device has to be disposed in accordance with the national regulations. It is advisable to contact a company which is specialized in waste disposal, or just contact the local disposal service in your community.



### **WARNING!**

**To exclude any abuse and the dangers involved make the waste device unfit for use before disposal.**

**For that purpose disconnect device from mains supply and remove mains connection cable from the device.**



### **CAUTION!**



**For the disposal of the device please consider and act according to the national and local rules and regulations.**