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DEUTSCHLAND

Operating Manual

Mini Cooling Display

Art.-Nr. 00-70431N, 00-90454N, 00-90456N, 00-90457N

www.neumaerker.de

Read this instruction manual 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 instruction manual.

1.1 Safety instructions

- The device can be used by children **8 years and up**, as well as by people with disabilities and those with limited experience/knowledge as long as they are under supervision or have been instructed on proper use of the device and its possible dangers. **Children** should not play with the device. Cleaning and **maintenance cannot be performed by children** younger than 8 years old and must be done under supervision. **Children under the age of 8 years old** must be kept away from the device and its power cord.
- **Never** leave the device unattended when in use.
- Only use the device indoors.
- The device is not adapted for use with an external timer or remote control.

- Prevent access of children to the package materials like plastic bags and foamed polystyrene elements. **Suffocation hazard!**
- This device may only be operated in technically proper and safe condition.
- 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 appliance, the power cord and the power plug in water or other liquids; do not put it under running water and clean any parts of the appliance in the in the dishwasher.
- 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.
- Remove the plug from its socket:
    - when the device is not used,
    - in case of anomalies during operation,
    - before cleaning.

WARNING! Fire or explosion hazard!

Follow the safety instructions listed in order to avoid the hazard:

- Do not store the flammable or explosive substances in the device, like ether, kerosene, or glues.
- 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.
- When a fire arises unplug the power cord from the socket before you initiate appropriate measures for fire-fighting. Provide sufficient supply of fresh air.

  Caution: Never extinguish the fire with water when the power plug is connected to the socket. **Electric shock hazard**!

1.2 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.

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.

1.3 Proper use

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 mini refrigerated display is intended **only** for **cooling** food and beverages.
Do not use the **mini refrigerated display** for:

- storing flammable or explosive materials such as ether, petrol or glue;
- storing pharmaceutical products or conserved 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.

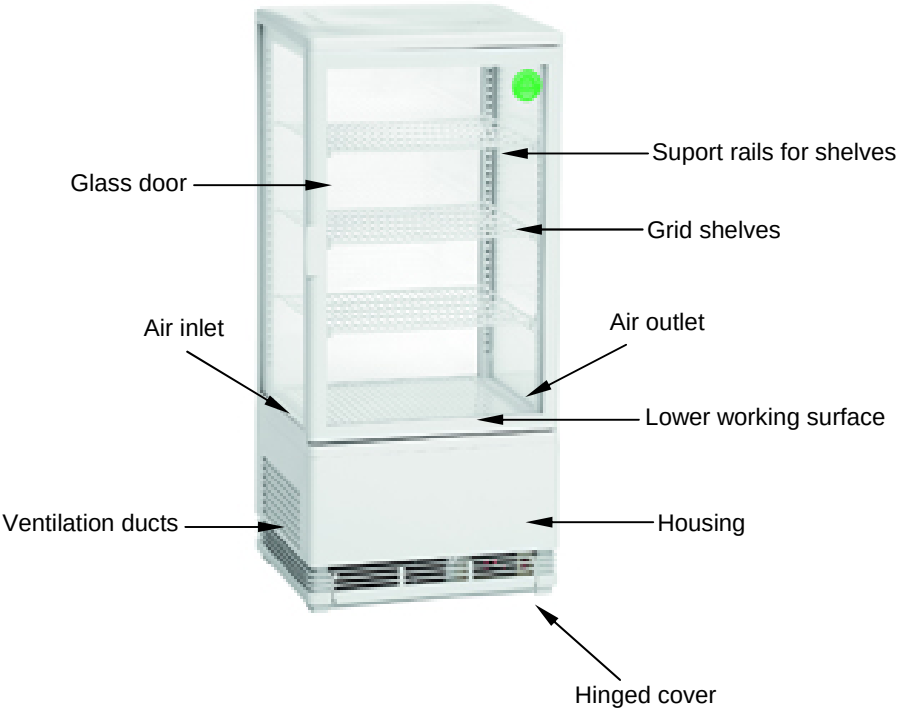
3.3 Storage

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
4.1 Overview of parts



Height-adjustable shelves

Shelves may be placed at any height, which facilitates storing of objects of diverse height. Follow the instructions below:

1. Remove shelves.
2. Place brackets for individual shelves in the selected places of support rails.
3. Place the shelves on the brackets.

Air inlet

Air intake into the cooling system. Do not cover the air inlet.

Air outlet

It releases the air from the cooling system. Never block the air outlet.

4.2 Technical specification

Name	**Mini cooling display**		
Code-No.:	**00-70431N (white)**	**00-90457N (black)** **00-90456N (white)**	**00-90454N (white)**
Construction:	▪ ON/OFF switch ▪ interior lighting ▪ ventilated air cooling ▪ automatic defrost function		
Capacity:	98 liters	78 liters	58 liters
Coolant:	R600a		
Working temperature:	2 °C – 12 °C		
Power	0,18 kW / 230 V~ 50 Hz		
Dimensions width x depth x height (mm):	425 x 380 x 1100	435 x 385 x 960	425 x 380 x 805
Weight:	37,5 kg	32,5 kg	28,5 kg
Accessories:	4 grid shelves placed at different height	3 grid shelves placed at different height	2 grid shelves placed at different height

We reserve the right to make technical changes!

5. Installation and operation
5.1 Installation

Positioning

- Before the operation unpack the device and remove all package material and protective foil from the device and equipment.

CAUTION!

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

- Position the device in safe place of load capacity sufficient for weight of the device with full content.
- **Never** place the device on the flammable surfaces.
- In order to avoid the compressor damages do not tilt the device during positioning or transport by more than 45°.
- **Do not** place the device in the vicinity of open fire, electric ovens, heating furnaces, or other heat sources like direct sunlight. High temperature may damage the device surface and may impact the cooling capacity and energy consumption.
- When placing the device, make sure that the ambient temperature is in the range from 10 ℃ to 32 ℃.
- Place device so that there is sufficient air circulation around the device. Keep a distance of at least 10 cm from the walls and other objects.
- **Never** cover or block ventilation ducts or air inlet and outlet.
- **Do not** place the device in the area with high humidity. Relative humidity at the location of the device shall not exceed 70 %. Excessive humidity may affect the cooling power of the device.
- Do not drill any holes and do not mount any other objects in the device or on the device.
- Do not place heavy objects on the device.
- Place the device so that the plug is easily accessible in order to quickly disconnect the device from the power source if necessary.

Connection

DANGER! Electric shock hazard!

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.

- Before the first use, the mini refrigerated display should be installed and left standing for at least 2 hours before it is connected to the power supply.
- After a power failure or removal of the plug, do not reconnect the device 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.

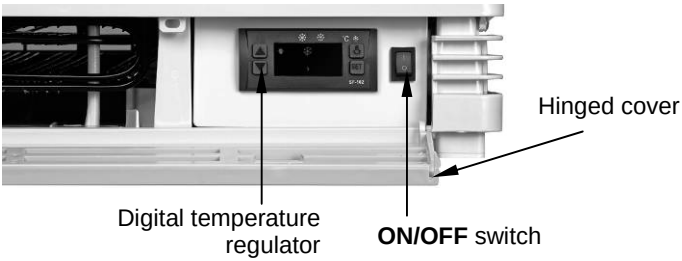
5.2 Operation

Preparation

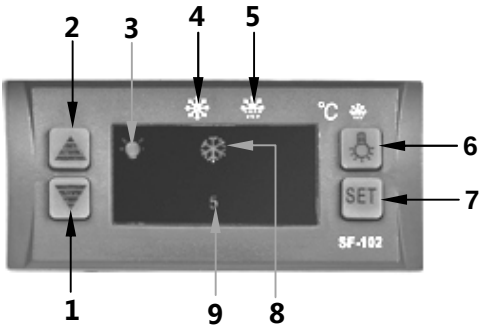
- Before the first use, clean the device thoroughly following the instructions in **section 6 „Cleaning“**.
- Connect the device to a single grounded socket.
- Switch the device on with **ON/OFF** switch (located beind the removable cover). The device will start cooling until the set default temperature is reached.
- Place the food and beverages in the refrigerated display only when the sufficient cooling capacity has been stabilized in the device.

Control elements, button functions, indicators

ON/OFF switch and **digital temperature regulator** are located behind hinged cover at the bottom on the front of the device. To switch the device on or change settings, or to check the current temperature open the cover.



Digital temperature regulator



1. Temperate **decrease** button
2. Temperate **increase** button
3. LCD lighting indicator
4. Cooling indicator symbol
5. Defrost indicator symbol
6. Backlight button
7. **„SET“** function button
8. LCD indicator – cooling or defrost mode
9. Temperature level indicator

LCD indicators

LCD cooling indicator:

This indicator **comes on** during the cooling process, remains **off** when the cooling temperature is stable and **flashes** during the activation delay mode.

LCD defrost indicator:

This indicator **comes on** during the defrosting process, **goes off** when the defrosting process is finished and **flashes** during the defrost delay mode.

Setting the desired temperature

- The current temperature of the device can be read from the temperature display of the digital temperature regulator.
- The temperature may be changed only within the range from 2 ℃ to 12 ℃.
- The desired temperature can be set with the button ▲ or ▼.
- The table below indicates possible temperature ranges

Level	Temperature range
2	2 ℃ – 6 ℃
3	3 ℃ – 7 ℃
4	4 ℃ – 8 ℃
5	5 ℃ – 9 ℃
6	6 ℃ – 10 ℃
7	7 ℃ – 11 ℃
8	8 ℃ – 12 ℃

- The set temperature level (2 – 8) is shown on the display.
- Flashing digit on the display is the actual temperate range in the refrigerated display.

  If the temperature in the refrigerated display is **higher or equal** to **level 8,** the digit **8** is flashing on the temperature level indicator.

NOTE!

Function button „SET" should be used only by the technical service personnel. If the button is pressed accidentally, request restoring of factory settings from the technical service.

Lighting

To switch on the LED lighting in the refrigerated display, press the button „☼" for 1 second. LCD lighting indicator will be illuminated on the display.

Press the button „☼" again to switch the lighting off.

Defrosting

Automatic defrost

The device's automatic defrost cycle runs 4 times every 24 hours.

Manual defrost

When the cooling capacity decreases, e.g. after opening the door for a long time, it is necessary to perform the manual defrosting. To start the defrosting, press the button **„** **“** and hold it pressed for 6 seconds.

The LCD defrost indicator **„** **“** will come on.

Tips for user

- To reduce energy loss during the cooling process, open the door for as short a time as possible and as rarely as possible. Do not open the door too often.
- Do not cover air inlet and outlet of the mini refrigerated display. The air must circulate freely to ensure proper cooling.
- The food stored inside the device must be kept at appropriate distance from one another. Cooling capacity is reduced when they are placed too close together.
- Adjust the height of shelves to the height of food containers or bottles.
- Allow warm dishes to reach room temperature before placing them inside the device.
- In the event of a sudden power failure, do not open the door unless necessary, to avoid loss of cool air inside the refrigerated display.
- After a power failure or removal of the plug, do not reconnect the device to the power supply for at least 5 minutes.
- If the device is to remain unused for a period of time, switch the device off via **ON/OFF** switch and disconnect it from the power supply (pull the plug out the socket!).

6. Cleaning

CAUTION!

Before cleaning, switch the device off via ON/OFF switch and disconnect it from the power supply (pull the plug out the socket!).

The device is not designed to be rinsed with running water.
Do not use a pressure washer to clean the device!
Be careful and do not let the water into the device.

CAUTION!

<u>Never</u> use <u>hot</u> water for cleaning the device!

Never use aggressive or coarse cleaning agents such as scouring powder, alcohol, solvents or other substances that could damage the device's surfaces.

- Remove the grid shelves and clean them with warm water with the addition of mild cleaning agent and soft cloth of sponge. Next rinse them thoroughly with clean water.
- Clean the interior and exterior of the refrigerated display using a wet soft cloth with the addition of mild cleaning agent. Polish the surface with a cloth with a clean water.
- Dry the cleaned surfaces thoroughly with a soft cloth.

<u>If the device is to remain unused for a longer period of time:</u>

- switch the device off via **ON/OFF** switch and disconnect it from the power supply (pull the plug out the socket);
- remove all food products and beverages from the mini refrigerated display;
- clean the interior and exterior of the mini refrigerated display. Remove water and mould;
- leave the door open, to allow the mini refrigerated display to dry thoroughly.

7. Possible Malfunctions

In case of malfunction, disconnect the device from its power source. Before contacting the service or sales agent, verify - based on the table below - whether it is possible to eliminate disruption in operation.

Malfunction	Cause	Solution
No cooling	• Loss of coolant. • Damaged temperature controller.	• Contact the sales agent. • Contact the sales agent.
Insufficient cooling capacity.	• Device is too close to source heat or direct sunlight. • Poor air circulation around the device. • Improperly closed door or the door was left open too long • Damaged or deformed door sealing. • Insufficient distances between the stored products or overfilled device. • Blocked air inlet and/or outlet.	• Ensure sufficient distance between the device and heat sources. • Ensure sufficient distance from walls and other objects. • Close the door and shorten the time of its opening • Contact the sales agent. • Ensure sufficient distance between products and remove excess food products. • Do not block air inlet and outlet.
Device emits loud sound.	• Device is placed on an uneven surface. • Device is touching the wall or other objects.	• Place the device on an even surface. • Ensure sufficient distance from the wall and other objects.
The compressor does not start automatically	• Overfilled device. • The door was opened too long.	• Remove excess food products. • Minimize the door opening time.

If you cannot remove the malfunctions:

- do not open the body,
- notify the customer service point or contact the sales agent, while providing the following information:
    - type of malfunction;
    - article and serial number (rating plate at the rear of the device).

The following conditions are not signs of malfunction:

1. The sound of flowing water. This sound is emitted during the normal use and it is the sound of coolant flowing in the device.
2. **Condensation gathering on glass sides is normal in the increased ambient humidity. Remove the condensation water suing a soft, dry cloth.**

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.