



## G21 Compressor Freezer User Manual

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**G21 Compressor Freezer**



## Product Information

- The COMPRESSOR FREEZER G21 is a versatile cooling and freezing device available in three sizes: C&F 40 l, C&F 50 l, and C&F 60 l. It is designed for both domestic and marine use, making it suitable for boats and caravans. The freezer can be powered by a 12V or 24V DC supply from a vehicle's onboard socket or a 220-240V AC mains supply.
- The device features an operating panel with various control and display elements. It has a latch for the lid, an ON/OFF switch, a POWER button, an ERROR indicator, a SET button, a DISPLAY screen, an UP+ button to increase values, and a DOWN- button to decrease values. The LED lights provide status indications such as compressor on/off and low battery voltage.
- The cooler also includes connection sockets for AC and DC voltage supply, as well as an emergency switch located below the control panel. The emergency switch allows for normal operation or emergency override mode in case of electronic control failure.

## Product Usage Instructions

1. Before using the COMPRESSOR FREEZER G21 for the first time, clean it inside and outside with a damp cloth for hygiene purposes.
2. **Connecting the cooler:**
  - If using a battery (vehicle or boat), ensure the cooler is connected to a 12V or 24V DC power source.
  - **Caution:** Avoid starting the device repeatedly or operating it without sufficient charging if the battery is not fully charged. Recharge the battery to avoid damage.
  - If using a 220-240V AC mains supply, connect the cooler to the appropriate socket.
  - **Warning:** Exercise caution to avoid electric shock when connecting to the AC mains supply.
3. The display shows the temperature in the middle of the large interior compartment.
4. If operating with a battery, the display will automatically switch off when the battery voltage is low. The LED will flash orange to indicate this.
5. **Using the emergency switch:**

- The emergency switch is located below the control panel.
- In normal use, keep the switch in the NORMAL USE position.
- If an electronic control failure occurs, slide the switch to the EMERGENCY OVERRIDE position. This will activate full cooling capacity for emergency situations.

For more detailed information on safety instructions, operating and display elements, and battery monitor modes, please refer to the user manual provided in multiple languages (EN, DE, CZ, SK, HU, PL, HR, SLO).

**Thank you for purchasing our product.**

Before using this unit, please read this manual in order to avoid improper handling and use of the device.

## **Safety instructions**

### **General safety**

**Danger:** On boats: If the appliance is powered by the mains, ensure that the power supply has a residual current device.

### **Warning:**

- Do not operate the device if it is visibly damaged.
- This device may only be repaired by qualified personnel.
- Improper repairs can lead to considerable hazards.
- Persons(including children) whose physical, sensor or mental capacities or whose lack of experience or knowledge prevents them from using this product safely should not operate it without the supervision or instruction of a responsible person.
- Electrical devices are not toys.
- Always keep and use the device out of the reach of children.
- Children must be supervised to ensure that they do not play with the device.
- If this device's power cable is damaged, it must be replaced by the manufacturer, customer service or similarly qualified person in order to prevent safety hazards.
- Do not store any explosive substances such as spray cans with propellants in the device.

### **Caution:**

- Disconnect the device from the mains
  - before cleaning and maintenance
  - after use
- Food may only be stored in its original packaging or in suitable containers.

### **Notice:**

- Only connect the device as follows:
  - With the DC cable to a DC plug socket in the vehicle(e.g. cigarette lighter)
  - Or with the 230 V connection cable to the 230 V AC mains supply
- Check that the voltage specification on the type plate corresponds to that of the energy supply.

- The cooling device is not suitable for transporting caustic materials or materials containing solvents.
- Never pull the plug out of the socket by the cable.
- If the freezer is connected to the DC socket: Disconnect the cooler and other power consuming devices from the battery before connecting the quick charging device.
- If the freezer is connected to the DC socket: Disconnect the cooler or switch it off when you turn off the engine. Otherwise you may discharge the battery.

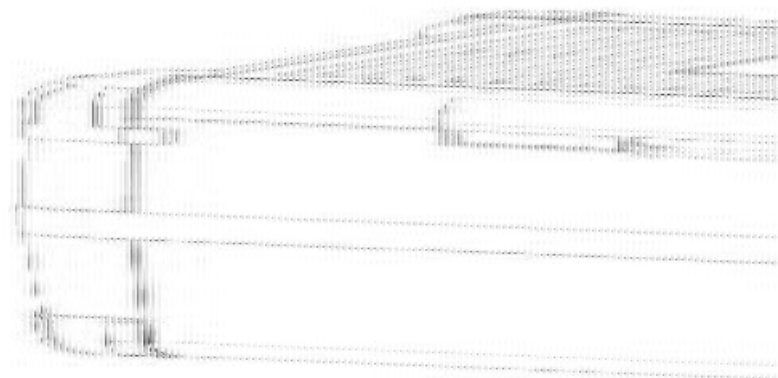
## Operating the device safely

- **Danger:** Do not touch exposed cables with your bare hands. This especially applies when operating the device with an AC mains power supply.
- **Caution:** Before starting the device, ensure that the power cable and the plug are unimpaired.

## Notice:

- Do not use electrical devices inside the cooler unless they are recommended by the manufacturer for the purpose.
- Do not place the device near open fire or other heat sources (heaters, direct sunlight, gas ovens etc.).
- Danger of overheating!
- Always ensure that there is sufficient ventilation so that the heat that arises during operating does not increase. Make sure that the device is in the sufficient distance from walls and other objects so that the air can circulate.
- Ensure that the ventilation slots are not covered.
- Do not fill the inner container with ice or fluid.
- Never immerse the device in water.
- Protect the device and the cable against heat and moisture.

## Scope of delivery



1. Cooler
2. Connection cable for 12/24 V—connection
3. Connection cable for 220-240 V ~connection

### Intended use

The Freezer is suitable for cooling and freezing foods. The device is also suitable for use on boats. The device is designed to be operated from a 12 V—or 24 V—on-board supply socket of a vehicle (e.g. cigarette lighter), or from 220-240 V AC mains on boat or in a caravan..

### Function description

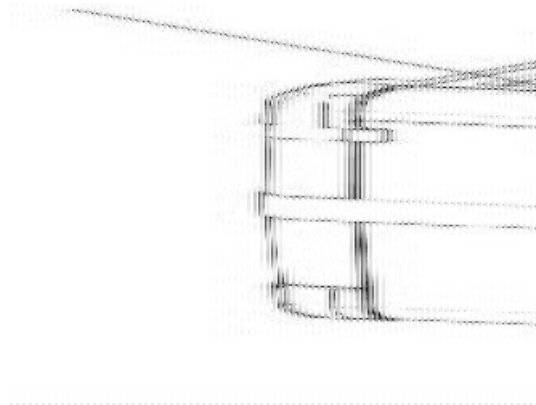
- The Freezer can chill products, keep them cool as well as freeze them. A low maintenance refrigerant circuit with compressor provides the cooling. The generous insulation and powerful compressor ensure efficient and fast cooling.
- The freezer is portable.
- The freezer can withstand a constant tilt (inclination) of 30°, for example when used on boats.

### Scope of functions

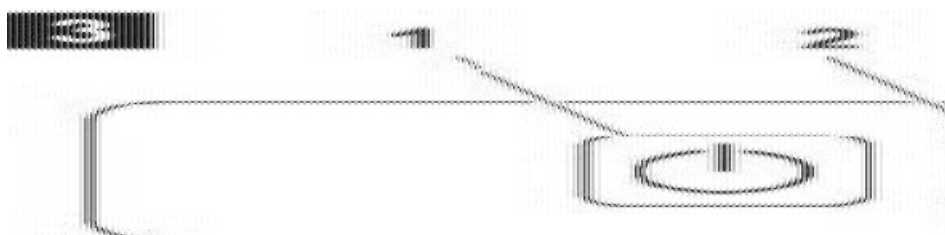
- Power supply with primary circuit for connecting to the AC mains
- Three-level battery monitor to protect the vehicle battery
- Display with temperature gauge in °C and °F
- It switches off automatically at low battery voltage
- Temperature setting: two buttons – one for °C, second for °F
- Folding handles
- Emergency switch (where fitted)
- Removable wire basket

### Operating and display elements

1. Latch for lid

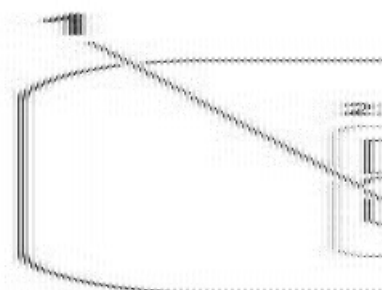


### Operating panel



Item	Description	Explanation
1	<b>ON/OFF</b>	Switches the cooler on or off when the button is pressed for one to two seconds
2	<b>POWER</b>	<b>Status indication</b> <ul style="list-style-type: none"> <li>• LED lights up green: Compressor is on</li> <li>• LED lights up orange: Compressor is off</li> <li>• LED flashes orange: display switched off automatically due to low battery voltage</li> </ul>
3	<b>ERROR</b>	LED flashes red: Device is switched on but not ready for operation
4	<b>SET</b>	<b>Selects the input mode</b> <ul style="list-style-type: none"> <li>• Temperature setting</li> <li>• Celsius or Fahrenheit display</li> <li>• Set battery monitor</li> </ul>
5	<b>DISPLAY</b>	Display, shows information
6	<b>UP +</b>	Press once to increase the value
7	<b>DOWN –</b>	Press once to decrease the value

## Connection sockets



Item	Description
1	Connection socket AC voltage supply
2	Fuse holder
3	Connection socket DC voltage supply

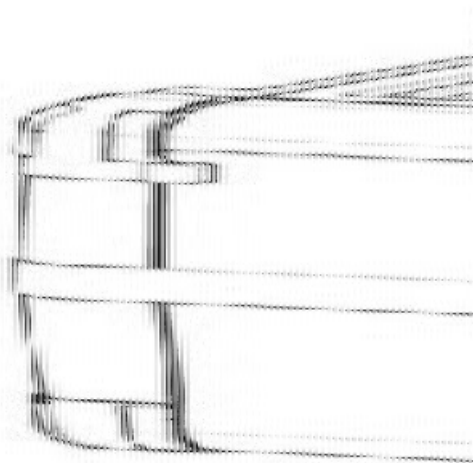
## Emergency switch



## Operation

### **Before initial use**

**Note:** Before using your new cooler for the first time, you should clean it inside and outside with a damp cloth for hygienic reasons (please also refer to the “cleaning and maintenance”).



The lid can be removed, or can be opened from both sides, 2 ways for opening – left or right.

### **Selecting the temperature units**

Temperature display units can be switched between Celsius and Fahrenheit as follows:

- Switch on the cooler.
- Press the “SET” button twice.
- Use the UP+ or DOWN – buttons to select Celsius or Fahrenheit.

The selected temperature units then appear on the display for a few seconds. The display flashes several times before it returns to the current temperature.

### **Energy saving tips**

- Choose a well ventilated installation location which is protected against direct sunlight.
- Allow warm food to cool down first before placing it in the device to keep cool.
- Do not open the cooling device more often than necessary.
- Do not leave the cooler unit open for longer than necessary.
- Defrost the cooler once a layer of ice forms.
- Avoid unnecessary low temperatures.

### **Connecting the cooler**

Connecting to a battery(Vehicle or boat) The cooler can be operated with 12 V or 24 V

**Notice:** Danger of damage!

- Disconnect the cooler and other consumer units from the battery before you connect the battery to a quick charging device.
- Overvoltage can damage the electronics of the device.
- For safety reasons the cooler is equipped with an electronic system to prevent the polarity reversal. This

protects the cooler against short-circuiting when connected to a battery.

- Plug the 12/24 V connection cable into the device DC voltage socket and also into a 12 V or 24 V cigarette lighter socket.

### Connecting to a 220-240 V AC mains

**Danger:** Danger of electric shock!

- Never handle plugs and switches with wet hands or if you are standing on a wet surface.
- If you are operating your cooler on board of a boat from a mains connection of 220-240 V~, you must install a residual current circuit breaker between the 220-240 V AC mains and the cooler.
- Seek advice from a trained technician.
- The cooler have an integrated multi-voltage power supply. The priority circuit automatically switches the cooler to mains operation, if the device is connected to a 220-240 V AC mains, even if the 12/24V connection cable is still attached.
- Plug the 220-240 V connection cable into the device AV voltage socket and connect it to the 220-240 V AC voltage mains

### Notice: Danger of damage!

- If the device is switched off by the battery control and the battery si not fully charged again, avoid starting the device repeatedly or operating it without sufficient charging. Ensure that the battery is recharged!
- In “**HIGH**” mode, the battery monitor responds faster than at the levels “**LOW**” and “**MED**”(see the following table).

Battery monitor mode	LOW	MED	HIGH
Switch-off voltage at 12 V	10.1 V	11.4 V	11.8 V
Restart voltage at 12 V	11.1 V	12.2 V	12.6 V
Switch-off voltage at 24 V	21.5 V	24.1 V	24.6 V
Restart voltage at 24 V	23.0 V	25.3 V	26.2 V

### The battery monitor mode can be selected as follows:

- Press the “**SET**” button three times
- Use the “**UP+**” or “**DOWN –**” buttons to select the battery monitor mode.
- **Digital display will be as follows:**
  - Lo(LOW), Md(MED), Hi(HIGH)
- The selected mode then appears on the display for a few seconds. The display flashes several times before it returns to the current temperature.

### Using the freezer

### Notice! Danger of overheating!



- Always ensure that there is sufficient ventilation so that the heat generated during operation can dissipate. Ensure that the ventilation slots are not covered. Make sure that the device is sufficiently far away from walls and other objects so that the air can circulate.
- Place the Freezer on a firm foundation.
- Make sure that the ventilation slots are not covered and that the heated air can dissipate.
- **Note:** Place the freezer as recommended. If you operate the box in different positions it can be damaged.
- **Notice:** Danger from excessively low temperature!

Ensure that only the objects which are intended to be cooled are placed in the cooler at the selected temperature.

- Press the “ON/OFF” button for one to two seconds.
- The LED lights up
- The display switches on and shows the current cooling temperature.

**Note:** The display shows the temperature which is in the middle of the large interior compartment.

**Note:** When operating with the battery, the display switches off automatically if the battery voltage is low. The LED flashes orange.

### **Latching the cooler lid**

- Close the lid.
- Press the latch down, until it latches in place audibly.

### **Setting the temperature**

- Press the “SET” button once.
- Use the “UP + and “DOWN – buttons to select the cooling temperature.

The cooling temperature appears in the display for a few seconds. The display flashes several times then the current temperature is displayed again.

### **Using the emergency switch**

- The emergency switch is located below the control panel. For normal operation the switch is in the “NORMAL USE” position.
- If an electronic control failure occurs, slide the switch to “EMERGENCY OVERRIDE” position
- **Note:** If the switch is in the “EMERGENCY OVERRIDE” position, the cooler freezes with full cooling capacity.

### **Switching off the Freezer**

- Empty the Freezer.
- Switch the Freezer off.
- Pull out the connection cable.

If you do not want to use the freezer for a longer period of time: Leave the cover slightly open. This prevents odour build-up.

## Defrosting the cooler

- Humidity can form frost in the interior of the cooling device or on the evaporator. This reduces the cooling capacity. Defrost the device in time to avoid this.
- **Notice:** Danger of damage!
- Never use hard or pointed tools to remove ice or to loosen objects which are frozen to the device.

### To defrost the freezer, proceed as follows:

- Take out the contents from the cooling device.
- If necessary, place them in another cooling device to keep them cool.
- Switch off the device.
- Leave the lid open.
- Wipe off the defrosted water.

## Replacing the device fuse

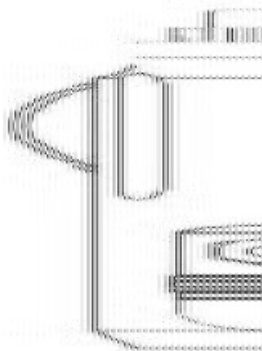
**Danger:** Danger of electric shock!

Disconnect the connection cable before you replace the device fuse.

- Pull off the connection cable.
- Pry out the fuse insert with a screwdriver.
- Replace the defective fuse with a new one that has the same rating.
- Press the fuse insert back into the housing.

## Replacing the plug fuse (12/24 V)

- Turn anticlockwise the cap to move it and pin from the plug.
- Press one end of defective fuse with a new one that has the same rating
- Re-assemble the plug in the reverse order.



## Cleaning and maintenance


**Warning:** Always disconnect the device from the mains before you clean and service it.

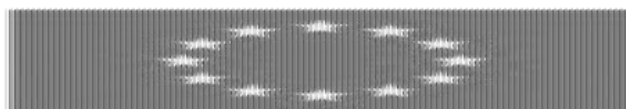
## Notice: Risk of damage

- Never clean the cooler under running water or in dish water.
- Do not use abrasive cleaning agents or hard objects during cleaning as these can damage the cooler.
- Occasionally clean the device interior and exterior with a damp cloth.

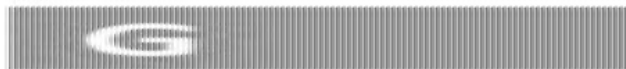
## Troubleshooting

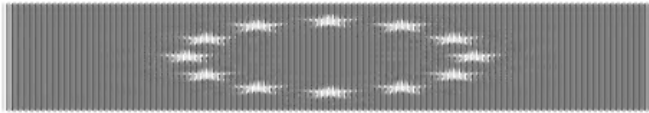
Fault	Possible cause	Suggested remed
Device does not function, LED does not light.	There is no voltage present in the 12/24 V socket (cigarette lighter) in your vehicle.	The ignition must be switched on in most vehicles to apply current to the cigarette lighter.
	No voltage present in the AC voltage socket.	Try using another plug socket.
	The device fuse is defective.	Replace the device fuse, see “Replacing the device fuse”.
	The integrated mains adapter is defective.	This can only be repaired by an authorized repair centre.
The device does not cool (plug is inserted, “POWER” LED is lit).	Defective compressor.	This can only be repaired by an authorized customer services unit.
The device does not cool (plug is inserted, “POWER” LED flashed orange, display is switched off).	Battery voltage is too low.	Test the battery and charge it as needed.
When operating from the 12/24-V socket (cigarette lighter): The ignition is on and the device is not working and the LED is not lit. Pull the plug out of the socket and make the following checks.	The cigarette lighter socket is dirty. This results in a poor electrical contact.	If the plug of your cooler becomes very warm in the cigarette lighter socket, either the lighter socket must be cleaned or the plug has not been assembled correctly.
	The fuse of the 12/24 V plug has blown.	Replace the fuse(10A) in the 12/24 V plug, see “Replacing the plug fuse(12/24 V)”.
	The Vehicle fuse has blown.	Replace the vehicle’s 12/24 V socket fuse(usually 15 A).
		Please refer your vehicle’s operating manual.
The display shows an error message(e.g. “Err1”) and the appliance does not cool.	The appliance has switched off due to an internal fault.	This can only be repaired by an authorized repair centre.

 <b>Technical data</b> Connection voltage:		<b>C&amp;F 40 I- C&amp;F 50 I -C&amp;F 60 I</b> DC 12/24 V +AC 100-240 V		
Max. Power consumption:	AC	96 W		
	DC	12 V – 50,4 W / 24 V – 52,8 W		
Cooling capacity:		-20°C to +10°C		
Category:		1		
Energy efficiency class:		D		
Gross volume:		40 l	50 l	60 l
Climate class:		N, T		
Ambient temperature:		+16°C to +43°C		
Noise emission:		49 dB(A)		
Dimensions(W*H*D)in mm:		714x453x423,5	714x453x468,5	714x453x523,5
Weight:		20 Kg	21,5 Kg	23 Kg



PENTA C2 S.





PENTA CZ S.

A

B

C

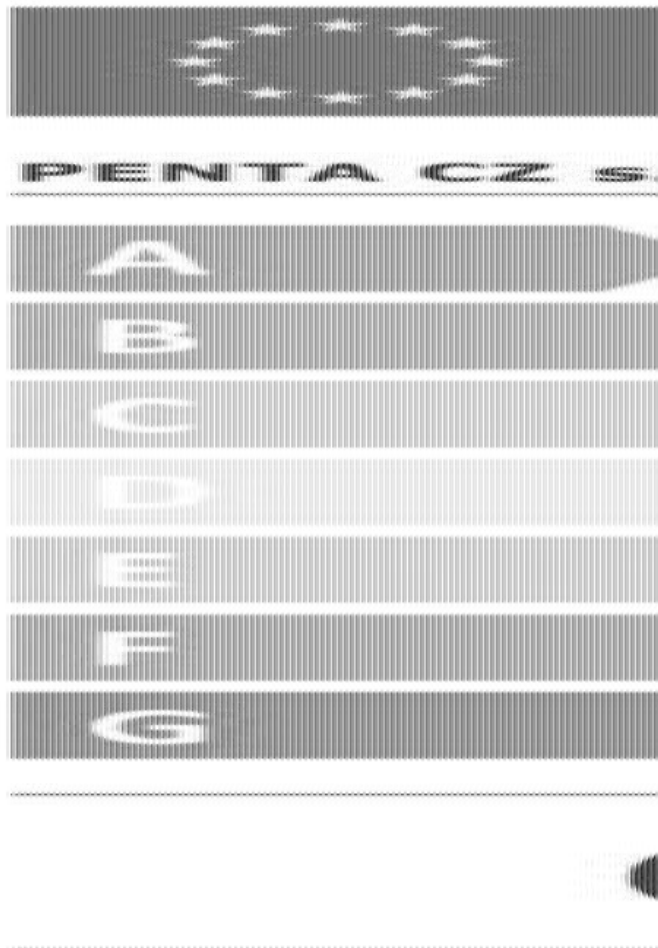
D

E

F



G

G



**Note:** If the ambient temperature is above +32°C (+90°F), the minium temperature cannot be attained.

## Documents / Resources

 <p>Manual COMPRESSOR FREEZER G21</p>  <p>0000000000</p>	<p><a href="#">G21 G21 Compressor Freezer</a> [pdf] User Manual G21 Compressor Freezer, G21, Compressor Freezer, Freezer</p>
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