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Koolatron P20 AZ

Koolatron P20 AZ 12V Iceless Cooler & Warmer Instruction Manual

Model: P20 AZ

1. INTRODUCTION

The Koolatron P20 AZ 12V Iceless Cooler & Warmer is a versatile portable appliance designed to keep food and beverages cool or warm. Utilizing thermoelectric technology, it operates without ice, making it convenient for use in cars, trucks, campers, and boats. This manual provides essential information for the safe and efficient operation of your unit.

2. SAFETY INFORMATION

- **California Proposition 65 Warning:** This product may contain materials cautioned by California Proposition 65.
- For effective operation, ensure the fan is not blocked. Blocked airflow can lead to overheating and reduced performance.
- Minimize opening and closing the lid to maintain the internal temperature. Ensure the lid is closed properly after each use.
- To avoid draining your vehicle's battery when using 12V mode, only operate the cooler when the engine is running.
- Do not immerse the unit in water or expose it to excessive moisture.
- Keep out of reach of children.

3. PACKAGE CONTENTS

Your Koolatron P20 AZ package should include the following:

- Koolatron P20 AZ 12V Iceless Cooler & Warmer Unit
- 12V DC Power Plug (attached)

Note: An optional AC adapter for household use is sold separately and is not included.

4. PRODUCT FEATURES

- **Dual Functionality:** Efficiently cools items to approximately 22°C (40°F) below the ambient temperature or warms them up to 57°C (140°F).

- **Iceless Thermoelectric Technology:** Eliminates the need for ice, providing more usable space and preventing leaks.
- **Compact & Space-Saving Design:** The slim profile allows it to fit conveniently in tight spaces, such as between the front seats of most minivans or behind car seats.
- **Generous Capacity:** 17-liter (18-quart) capacity, accommodating up to 23 standard 355ml (12 oz) soft drink cans.
- **Portable 12V DC Power:** Plugs directly into your vehicle's cigarette lighter outlet.
- **Grab & Go Convenience:** Features a flip-up lid for easy one-handed access and a sturdy fold-away carry handle for portability.
- **Durable Construction:** Injection-molded hard exterior protects contents, and the stain-resistant interior is easy to clean.



Image: The Koolatron P20 AZ cooler showcasing its internal capacity, thermoelectric cooling fan, sturdy carry handle, and slim, space-saving design.

5. SETUP

1. **Unpack:** Carefully remove the cooler from its packaging and ensure all components are present.
2. **Placement:** Position the cooler in a stable, well-ventilated location. Ensure that the fan vents on the side of the unit are not obstructed to allow for proper airflow.
3. **Power Connection:** Connect the attached 12V DC power plug into your vehicle's 12V accessory outlet (cigarette lighter). For indoor use, an optional AC adapter (sold separately) is required to convert household AC power to 12V DC.



**SPACIOUS
ENOUGH
TO STORE
SNACKS AND
DRINKS**

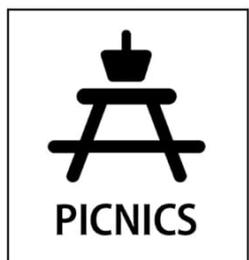


Image: Connecting the 12V DC power plug to a vehicle's power outlet.

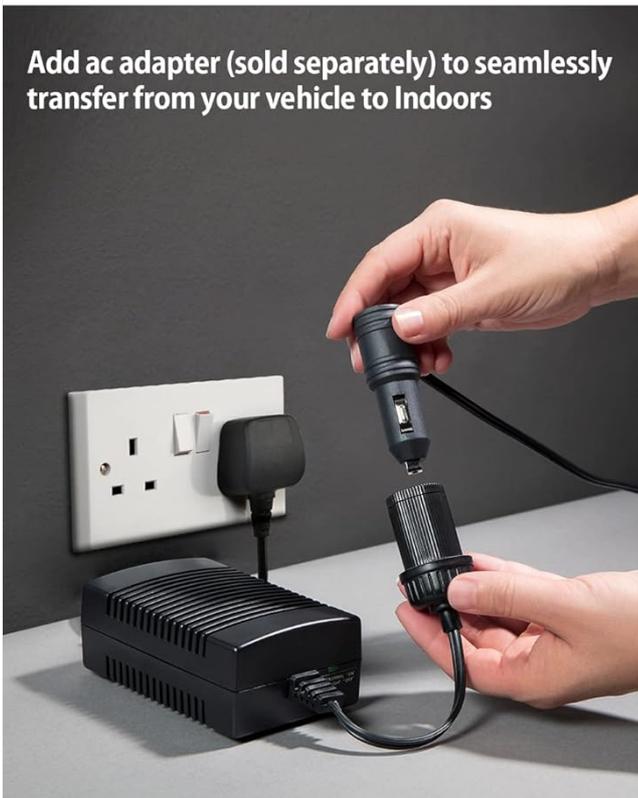


Image: Illustrates the connection of an optional AC adapter for use with a standard wall outlet.

6. OPERATING INSTRUCTIONS

6.1. Powering On

Once the 12V DC power plug is securely connected to your vehicle's outlet, the unit will begin operation. Remember to only run the cooler when the vehicle's engine is on to prevent battery drain.

6.2. Selecting Cooling or Warming Mode

The Koolatron P20 AZ features a reversible power cord connection to switch between cooling and warming functions:

- **Cooling Mode:** To keep items cool, align the arrow on the power cord connector with the **BLUE** dot on the unit's power input. The unit will cool to approximately 22°C (40°F) below the ambient temperature.
- **Warming Mode:** To keep items warm, align the arrow on the power cord connector with the **RED** dot on the unit's power input. The unit will warm items up to approximately 57°C (140°F).



Image: Demonstrates how to connect the power cord to select either warming (red dot) or cooling (blue dot) mode.

6.3. Tips for Best Use

- For quickest cooling, pre-chill items before placing them inside the cooler.
- Minimize opening and closing the lid to maintain the desired internal temperature.
- Ensure the lid is securely closed for optimal performance.
- The lowest possible temperature the unit can achieve depends on the surrounding ambient temperature.



Image: The slim design of the Koolatron P20 AZ allows it to fit easily between car seats.



Image: The cooler positioned in the back seat, providing convenient access to refreshments during travel.

7. MAINTENANCE

- **Cleaning:** The interior of the cooler is stain-resistant and easy to clean. Use a damp cloth and mild soap to wipe down surfaces. Do not use abrasive cleaners or immerse the unit in water.
- **Fan Vents:** Periodically check the fan vents on the side of the unit to ensure they are free from dust, debris, or obstructions. Clean gently with a soft brush or cloth if necessary to maintain optimal airflow.
- **Storage:** When not in use, ensure the cooler is clean and dry before storing it in a cool, dry place.

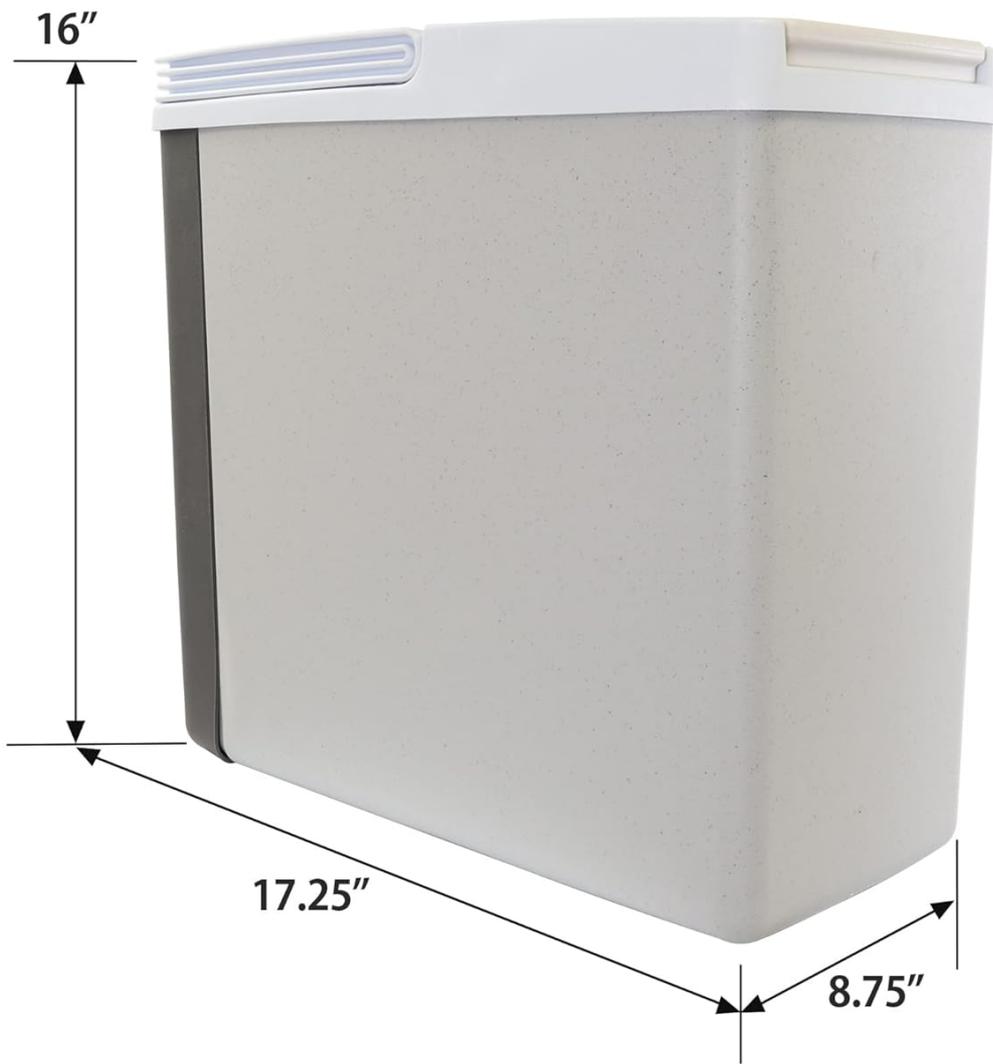
8. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Unit is not cooling/warming.	No power supply. Incorrect mode selected.	Check if the 12V DC plug is securely inserted and the vehicle's outlet is functional. Ensure the vehicle engine is running. Verify the power cord connector is aligned with the correct BLUE (cool) or RED (warm) dot.
Poor cooling/warming performance.	Fan vents blocked. Lid not properly closed. High ambient temperature. Items not pre-chilled.	Ensure fan vents are clear of obstructions. Close the lid securely. Pre-chill items before placing them in the cooler. Minimize lid openings. Note that performance is relative to ambient temperature.
Vehicle battery drains.	Unit operated with engine off.	Only operate the cooler when the vehicle's engine is running to prevent battery discharge.

9. SPECIFICATIONS

Specification	Detail
Brand	Koolatron
Model	P20 AZ
Capacity	17 Liters (18 Quarts)
Item Weight	9.6 pounds
Product Dimensions (D x W x H)	8.75 x 17.25 x 16 inches
Voltage	12 Volts (DC)
Wattage	48 watts
Defrost System	Manual Defrost
Material Type	Plastic
Color	Gray



18 Q
17 L
355ml
23 CANS

12V DC
PLUG INCLUDED

230V AC
COMPATIBLE
(NOT INCLUDED)

Image: Detailed dimensions and capacity information for the Koolatron P20 AZ.

10. OFFICIAL PRODUCT VIDEO

Video: Official product video demonstrating the features and use of the Koolatron P20 AZ 12V Iceless Cooler and Warmer. This video highlights its space-saving design, dual cooling/warming functions, and portability for various travel scenarios.

11. WARRANTY AND SUPPORT

The Koolatron P20 AZ 12V Iceless Cooler & Warmer comes with a **1-year warranty** from the date of purchase, ensuring peace of mind and reliable performance. This warranty covers manufacturing defects under normal use. For warranty claims, technical assistance, or any product-related inquiries, please contact Koolatron customer service. Refer to the product packaging or the official Koolatron website for the most current contact information.

