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> AstroAI 20 PSI Electric SUP Air Pump User Manual

AstroAI ACAC36OR-DE

AstroAI 20 PSI Electric SUP Air Pump

Model: ACAC36OR-DE

INTRODUCTION

The AstroAI 20 PSI Electric SUP Air Pump is designed for efficient and convenient inflation of various inflatables, including Stand-Up Paddleboards (SUPs), inflatable boats, yoga balls, and air mattresses. Featuring a durable metal cylinder and smart two-stage inflation, this pump ensures quick and reliable performance. Its large 7.5-inch LED screen provides real-time pressure monitoring, and the automatic shut-off function prevents over-inflation, making it safe and easy to use.

SAFETY INFORMATION

- Read all instructions carefully before operating the pump.
- This pump is designed for 12V DC power sources only (car cigarette lighter). Do not attempt to connect to other power sources.
- Do not operate the pump continuously for more than 20 minutes. Allow it to rest for at least 2 minutes after every 20 minutes of use to prevent overheating and prolong its lifespan.
- Keep both the air inlet and air outlet open during use to ensure proper ventilation.
- Do not block the air inlet or outlet during operation.
- Keep out of reach of children.
- Do not expose the pump to rain or wet conditions.
- Ensure the correct pressure setting for your inflatable to avoid damage.

PACKAGE CONTENTS

EASY STORAGE WITH THE PARTITIONED BAG



Image: The AstroAI Electric SUP Air Pump shown with all included accessories, such as the pump unit, power cables, air hose, storage bag, and a selection of different inflation nozzles.

- AstroAI Electric SUP Air Pump
- 12V DC Car Power Cable
- Battery Terminal Clamps

- Air Hose
- Storage Bag
- 6 x Nozzles (various types for different inflatables)
- Spare Fuse
- User Manual

PRODUCT OVERVIEW



Image: A detailed view of the AstroAI Electric SUP Air Pump, highlighting its digital display, control panel, and the array of included nozzles.

- **7.5" LED Display:** Shows preset and real-time pressure values.
- **Control Buttons:** For setting pressure, changing units, and starting/stopping inflation.
- **Inflation Port:** Where the air hose connects for inflation.
- **Deflation Port:** Where the air hose connects for deflation.
- **Power Input:** For connecting the 12V DC power cable.

- **Integrated Handle:** For easy portability.
- **Metal Cylinder:** Enhances durability and allows for continuous operation.

SETUP

1. **Connect Power:** Plug the 12V DC car power cable into your vehicle's cigarette lighter socket. Alternatively, use the battery terminal clamps to connect directly to a 12V battery.
2. **Attach Air Hose:** Connect one end of the air hose to the inflation port on the pump. Ensure it is securely twisted into place.
3. **Select Nozzle:** Choose the appropriate nozzle for your inflatable and attach it to the other end of the air hose.
4. **Connect to Inflatable:** Securely connect the nozzle to the valve of your inflatable item.

OPERATING INSTRUCTIONS

Inflation

AUTOMATIC, HANDS-FREE INFLATION

Never Worry About Overinflating Your SUP; the Smart Pump
Makes Inflation Safe And Easy



Image: The AstroAI pump in action, automatically inflating a SUP board in an outdoor setting, showcasing its hands-free operation.

1. Ensure the pump is powered and the hose with the correct nozzle is connected to your inflatable.
2. Turn on the pump. The 7.5" LED display will illuminate.
3. Use the **SET** button to select your desired pressure unit (PSI or BAR).
4. Use the **+** and **-** buttons to set the target pressure. The preset value will be displayed.

5. Press the **START/STOP** button to begin inflation.
6. The pump will operate in two stages:
 - **Low Pressure Mode (360 L/min)**: Rapidly inflates the item to a lower pressure.
 - **High Pressure Mode (80 L/min)**: Automatically switches to high pressure for precise inflation to the target PSI.
7. The pump will automatically shut off once the preset pressure is reached.
8. Disconnect the hose from the inflatable and the pump.

FULL INFLATION IN 10 MINS

40% Faster Than Single-Stage Pumps

10 Mins
Full Inflation

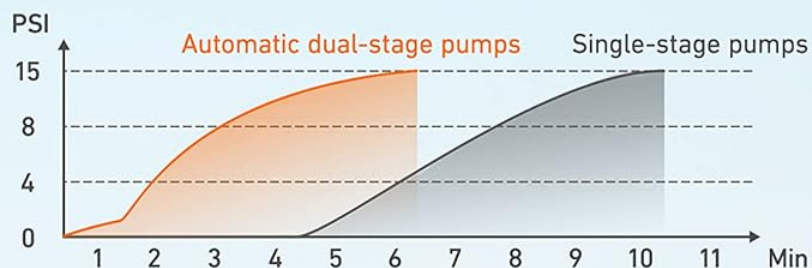


Image: A comparative graph illustrating how dual-stage pumps, like the AstroAI, achieve full inflation 40% faster than single-stage pumps.

7.5" ULTRA-LARGE MULTIFUNCTIONAL LED SCREEN

Monitor the Inflation in Real Time



Image: A detailed view of the pump's large 7.5-inch LED screen, clearly showing the preset pressure and the current real-time pressure during operation.

Deflation

The pump also features a deflation function to quickly remove air from your inflatables for easier packing and storage.

1. Connect one end of the air hose to the **deflation port** on the pump.

2. Attach the appropriate nozzle to the other end of the hose and connect it to your inflatable's valve.
3. Press the **DEFLATE** button to start the deflation process.
4. The pump will draw air out of the inflatable.
5. Once deflated, press the **START/STOP** button to stop the pump and disconnect the hose.

Versatile Nozzles

FOR ALL YOUR INFLATION NEEDS



Image: An illustration of the pump's wide compatibility, showing it can inflate various items like SUPs, yoga balls, and air mattresses using the provided nozzles.

The AstroAI pump comes with a comprehensive set of 6 nozzles to accommodate a wide range of inflatable items. Always select the nozzle that provides the best fit for the valve of your inflatable to ensure efficient and secure inflation/deflation.

MAINTENANCE

- **Cleaning:** Wipe the pump exterior with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** Store the pump and its accessories in the provided storage bag in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Hose Care:** Ensure the air hose is not kinked or bent sharply during storage to prevent damage.
- **Fuse Replacement:** If the pump stops working, check the fuse in the 12V DC power plug. Replace it with the provided spare fuse if necessary.
- **Ventilation:** Ensure the air inlet and outlet are free from dust and debris.

HIGHLY-EFFICIENT, DURABLE, METAL CYLINDER

Doubled Inflation Capacity, Readily Inflates 6 SUPs Back-to-Back



*** Keep both the air inlet and air outlet open during use**

Image: An exploded view of the pump's internal components, highlighting the robust metal cylinder and efficient cooling system designed for extended use.

Problem	Possible Cause	Solution
Pump does not turn on.	No power connection; Blown fuse in 12V plug; Vehicle's cigarette lighter socket is faulty.	Ensure power cable is securely connected. Check and replace fuse if necessary. Test the 12V socket with another device.
Pump inflates slowly or not to desired pressure.	Incorrect nozzle used; Air leak from hose/nozzle connection; Air inlet/outlet blocked.	Ensure correct nozzle is used and securely attached. Check all connections for leaks. Clear any obstructions from air inlet/outlet.
Pump overheats and shuts off.	Continuous operation for too long.	Allow the pump to cool down for at least 2 minutes after 20 minutes of continuous use. Ensure proper ventilation.
Display shows error or incorrect reading.	Sensor issue; Extreme temperature.	Turn off the pump, wait a few moments, and restart. Ensure operation within recommended temperature range.

SPECIFICATIONS

Feature	Detail
Model Number	ACAC36OR-DE
Brand	AstroAI
Power Source	12V DC (Car Cigarette Lighter)
Max Pressure	20 PSI
Low Pressure Flow Rate	360 L/min
High Pressure Flow Rate	80 L/min
Display	7.5" LED Digital Screen
Operating Mode	Automatic Two-Stage Inflation
Product Dimensions (L x W x H)	19.05 x 10.16 x 27.94 cm (approx. 7.5 x 4 x 11 inches)
Product Weight	1.87 kg (approx. 4.12 lbs)
Color	Orange

WARRANTY AND SUPPORT

AstroAI products come with a 1-year warranty from the date of purchase. For any questions, technical support, or warranty claims, please contact AstroAI customer service through their official website or the retailer where the product was purchased. Please have your model number (ACAC36OR-DE) and proof of purchase ready when contacting support. For more information, visit: www.astroai.com

