

AVID POWER ACAP328-O3

Avid Power Portable Tire Inflator

Model: ACAP328-O3

1. PRODUCT OVERVIEW

The Avid Power Portable Tire Inflator (Model ACAP328-O3) is a versatile air compressor designed for inflating various items, including vehicle tires, bicycle tires, sports balls, and other inflatables. It features a triple power supply system, allowing operation via 120V/110V AC, 12V DC, or a 20V rechargeable battery. The unit includes both high-pressure and high-volume inflation modes, as well as a deflation mode for convenience. Dual powerful motors ensure efficient inflation, and an automatic shut-off function prevents over-inflation.

3 Power Supply Modes



**20V Rechargeable
Battery**



120V (110V) AC
Cord Length 3.92ft



12V DC Adapter
Cord length 9.8ft



Image: The Avid Power Portable Tire Inflator, showcasing its compact design and orange and black color scheme.

2. SAFETY INFORMATION

- Read all instructions carefully before operating the device.
- Keep children and bystanders away from the operating area.
- Do not operate the inflator in wet conditions or near flammable liquids or gases.
- Always ensure the correct pressure setting for the item being inflated to avoid over-inflation and potential injury.
- Allow the unit to cool down after extended use to prevent overheating.
- Use only manufacturer-recommended accessories and attachments.
- Disconnect power when not in use or before performing maintenance.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- AVID POWER Cordless Air Compressor (ACAP328-O3)
- 20V Lithium-ion Battery
- Battery Charger
- 3 Nozzles (various sizes for different inflatables)
- High Volume Hose
- User Manual
- AC/DC Cord (120V/110V AC plug and 12V DC cigarette lighter adapter)



Image: The Avid Power inflator with its integrated storage for accessories, battery, and power cords.

4. SETUP

4.1 Power Supply Connection

The inflator offers three power options:

1. **20V Rechargeable Battery:** Insert the charged 20V Lithium-ion battery into the battery slot on the unit. Ensure it clicks into place securely.
2. **120V/110V AC Plug:** Connect the AC power cord to the designated AC input port on the inflator, then plug the other end into a standard wall outlet.
3. **12V DC Adapter:** Connect the 12V DC adapter to the designated DC input port on the inflator, then plug the other end into your vehicle's 12V cigarette lighter socket.

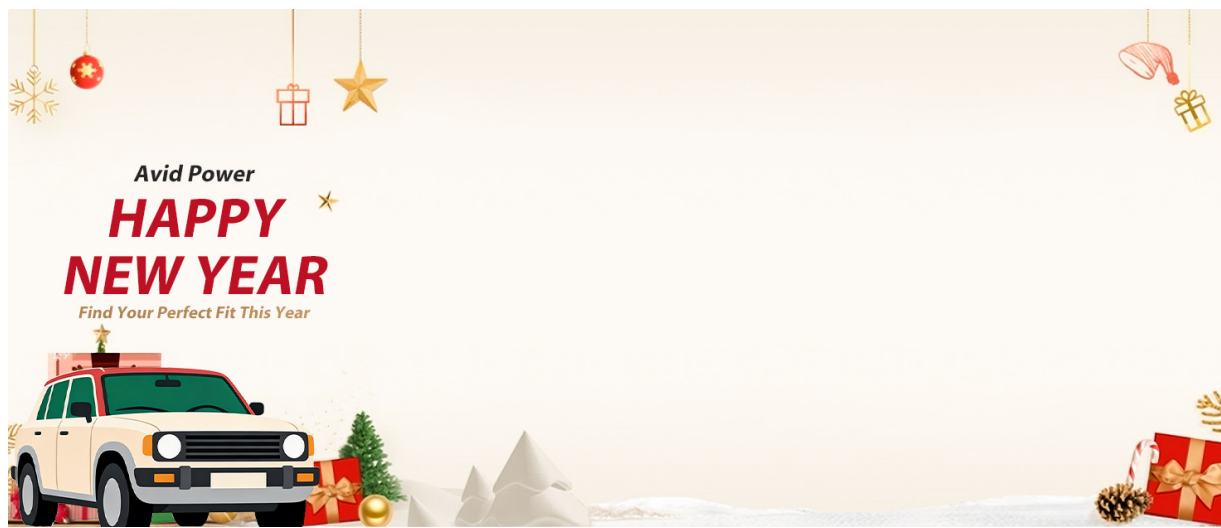


Image: Visual guide to connecting the 20V battery, 120V AC cord, and 12V DC adapter to the inflator.

4.2 Attaching Nozzles and Hoses

Select the appropriate nozzle for the item you intend to inflate. The inflator comes with a high-pressure hose for tires and a high-volume hose for larger inflatables. Securely attach the chosen hose and nozzle to the corresponding output port on the inflator.

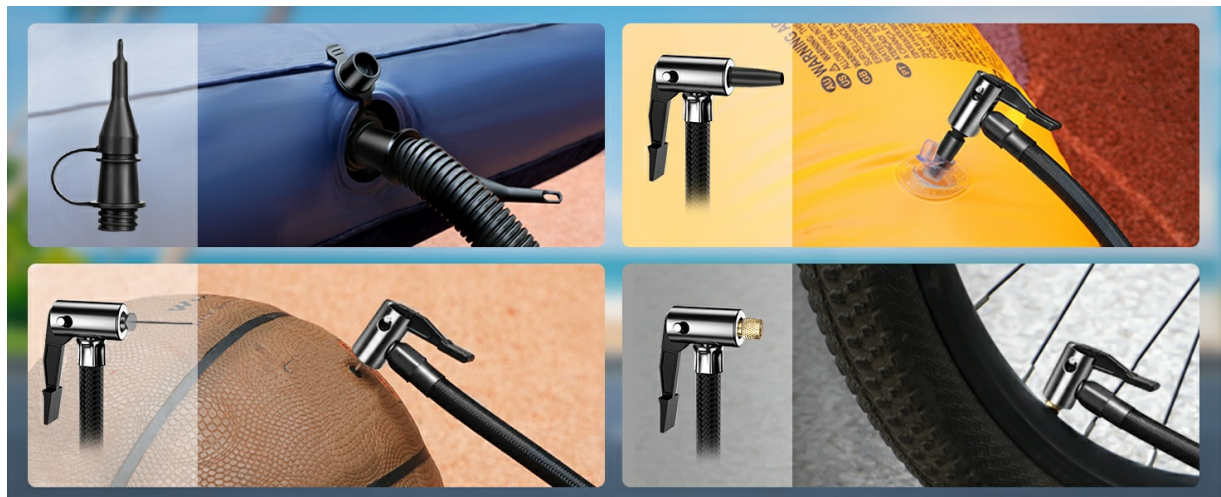


Image: Detailed view of various nozzles and their application for different inflation needs.

5. OPERATING INSTRUCTIONS

5.1 General Operation

1. Power on the unit using the main power button. The digital display will illuminate.
2. Use the '+' and '-' buttons to set the desired pressure (PSI, BAR, or KPA). Refer to the item's manufacturer recommendations for correct pressure.
3. Connect the appropriate hose and nozzle to the item to be inflated.
4. Press the start button to begin inflation. The unit will automatically shut off once the preset pressure is reached.
5. Disconnect the hose and nozzle from the item.



Image: The inflator's digital display showing real-time pressure and the auto shut-off function.

5.2 High Pressure Mode (Max 120 PSI)

This mode is suitable for items requiring high pressure, such as:

- Automobile tires (0-80 PSI)
- Motorcycle tires (0-80 PSI)
- Bicycle tires (0-120 PSI)
- Sport balls (0-16 PSI)

Note: This inflator is not compatible with large truck tires.



Image: The inflator in use for both high-pressure tire inflation and high-volume air mattress inflation.

5.3 High Volume Mode (Inflation & Deflation, Max 125 PSI)

Use this mode for quickly inflating or deflating larger items:

- Air mattresses
- Inflatable pools
- Other large inflatable objects (0-125 PSI)

To deflate, connect the high-volume hose to the deflation port and attach it to the item. Activate the deflation function.



Founded in 1998, our manufacturer has been specialized in the design and manufacture of power tools for more than 27 years.

We're committed to providing easy-to-use, accessible tools and equipments so that everyone can enjoy all of life's adventures to the fullest.

Image: Examples of items that can be inflated with the device, along with their typical pressure ranges.

5.4 LED Lights

The built-in LED lights provide illumination for working in dark conditions or during emergencies. Activate the lights using the dedicated button on the control panel.

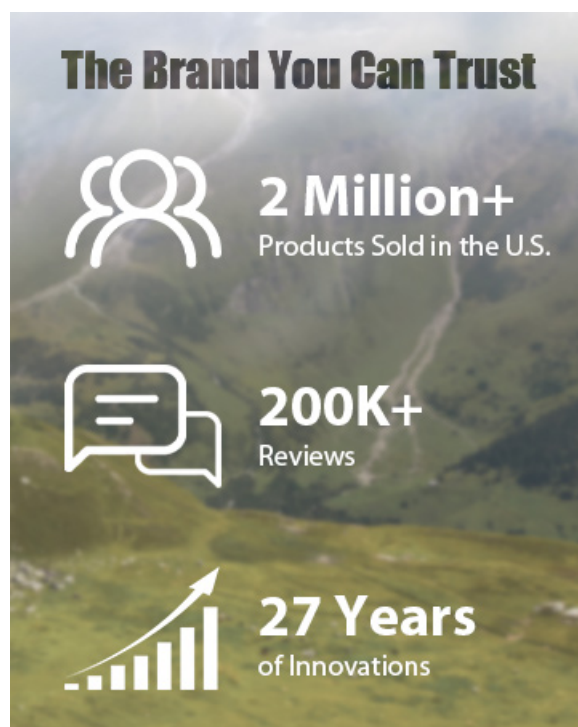


Image: The inflator's LED lights in operation, illuminating a tire during night-time use.

6. MAINTENANCE

- **Cleaning:** Wipe the unit with a damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure the unit is dry before storage.
- **Storage:** Store the inflator in a cool, dry place, away from direct sunlight and extreme temperatures. Ensure all hoses and accessories are neatly stored within the unit's integrated compartments.
- **Battery Care:** For optimal battery life, store the 20V Lithium-ion battery in a partially charged state if not used for extended periods. Recharge fully before use.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not power on.	No power supply connected; Battery discharged; Faulty power cord/adapter.	Ensure power source is properly connected. Charge battery. Check power cords for damage.
Inflator runs but no air comes out.	Hose/nozzle not securely attached; Blockage in hose/nozzle; Incorrect mode selected.	Check all connections. Clear any obstructions. Ensure correct inflation mode is active.
Unit stops before reaching preset pressure.	Overheating; Low battery.	Allow unit to cool down. Recharge or replace battery.
Inaccurate pressure reading.	Loose connection; Sensor issue.	Ensure hose is tightly connected. If problem persists, contact customer support.

8. SPECIFICATIONS

Model Name	ACAP328-O3
Brand	AVID POWER
Voltage	20 Volts (Battery)
Power Source	AC/DC/20V Battery
Maximum Operating Pressure	120 PSI
Noise Level	85 Decibels
Item Weight	6.92 Pounds
Product Dimensions	4.7"L x 3.1"W x 2.2"H

Special Features	AC & DC Adaptable, Automatic Shut-Off, Built-In Gauge, Cordless, Dual Motors, LED Lights
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9. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your product or visit the official AVID POWER website. Keep your purchase receipt as proof of purchase for any warranty claims.

AVID POWER Store: [Visit the Avid Power Store on Amazon](#)