

AVID POWER ACAP322 DUAL POWER INFLATOR/DEFLATOR



AVID POWER ACAP322 DUAL POWER INFLATOR/DEFLATOR User Manual

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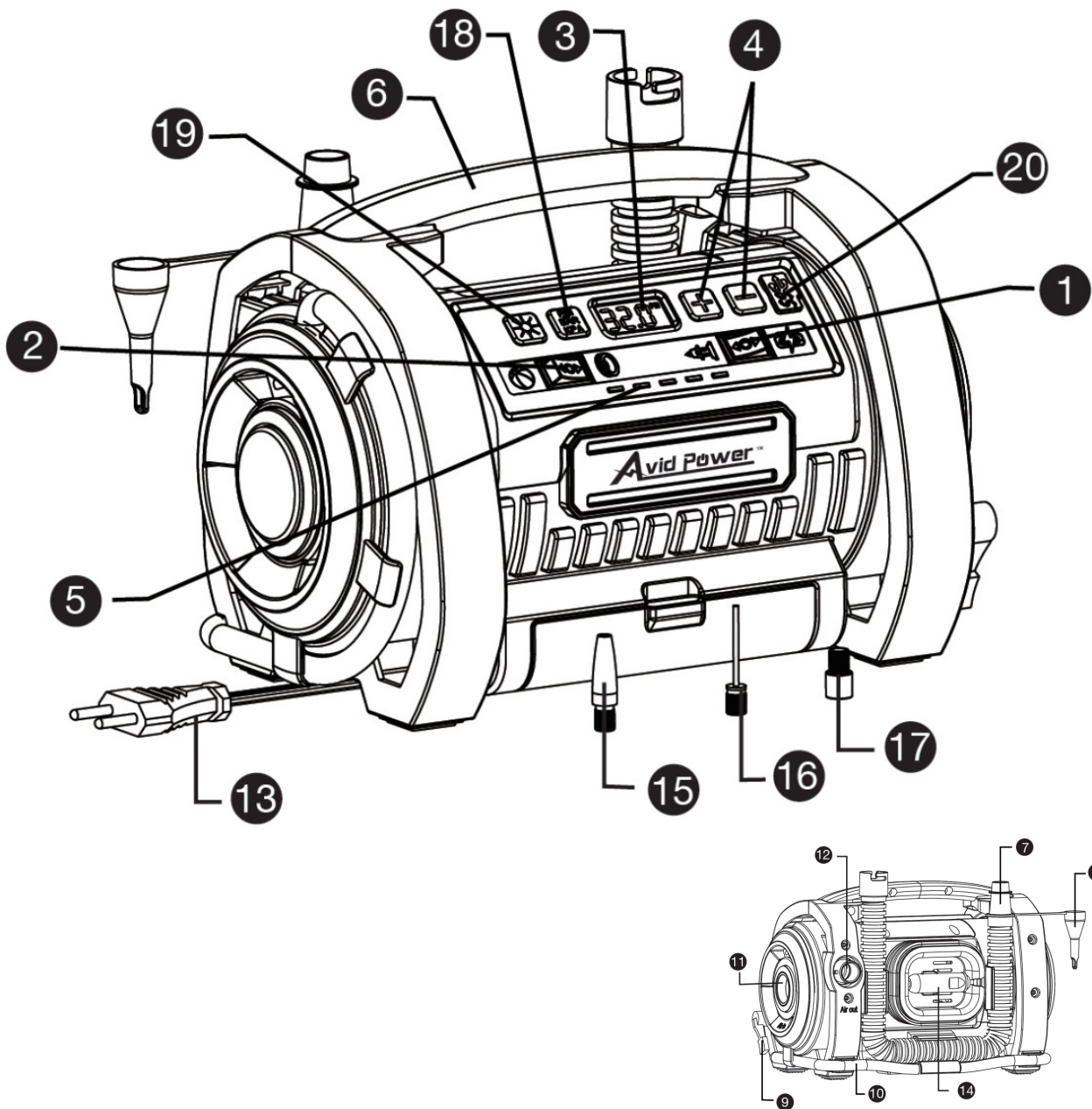


AVID POWER ACAP322 DUAL POWER INFLATOR/DEFLATOR



PACKAGE CONTENTS

Part	Description	Quantity
1	AC/DC power switch	1
2	Mode power switch	1
3	LCD	1
4	Pressure Setting button	1
5	PSI Level light	1
6	Handle	1
7	High-volume hose	1
8	Tapered nozzle	1
9	Universal valve adapter	1
10	High-pressure hose	1
11	High-volume pump deflate connection	1
12	High-volume pump inflator connection	1
13	120V AC cord	1
14	Cigarette plug	1
15	Tapered nozzle	1
16	Inflator needle valve	1
17	Brass coupler adapter	1
18	Unit change button	1
19	LED Light	1
20	USB (5V/1A)	1



IMPORTANT SAFETY INSTRUCTIONS

READ AND UNDERSTAND ALL INSTRUCTIONS. Failure to follow all instructions listed below, may result in electric shock, fire and/or serious personal injury.

A hen using electric appliances, basic precautions should always wa be followed, including the following.
SAVE THESE INSTRUCTIONS WORK AREA

1. Keep your work area clean and well lit. Cluttered benches and dark areas invite accidents. Keep bystanders, children, and visitors away while operating an inflator. Distractions can cause you to lose control.
2. Operate inflator in an open area at least 18 in. away from any wall or object that could restrict the flow of fresh air to ventilation openings.

ELECTRICAL SAFETY

1. To reduce the risk of electrical shock, do not put inflator in water or other liquid. Do not place or store appliance where it can fall or be pulled into a tub or sink.
2. Use this product only with batteries and chargers.

PERSONAL SAFETY

1. Stay alert, watch what you are doing and use common sense when operating an inflator. Do not use inflator while tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating inflator may result in serious personal injury.
2. Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing, and gloves away from moving parts. Loose clothes, jewelry, or long hair can be caught in moving parts.
3. Do not overreach. Keep proper footing and balance at all times. Proper footing and balance enable better control of the inflator in unexpected situations.
4. Use safety equipment. Always wear eye protection. Dust mask, non-skid safety shoes, hard hat, or hearing protection must be used for appropriate conditions
5. Eye protection is required to guard against flying fasteners and debris which could cause severe eye injury.
6. Do not wear loose clothing or jewelry. Contain long hair. Loose clothes, jewelry, or long hair can be drawn into air vents.
7. Do not use on a ladder or unstable support. Stable footing on a solid surface enables better control of the inflator in unexpected situations.
8. Do not disassemble the inflator.
9. Do not operate inflator near flammable liquids or in gaseous or explosive atmospheres. Internal sparks may ignite fumes.
10. Do not store your inflator in a damp or wet location. Do not store in locations where the temperature is less than 50°F or more than 100°F. Do not store in outside sheds or in vehicles.

INFLATOR USE AND CARE

1. Check hoses for weak or worn condition before each use, making certain all connections are secure. Do not use if defect is found. Purchase a new hose or notify an authorized service center for examination or repair.
2. Release all pressures within the system slowly. Dust and debris may be harmful.
3. Do not use inflator if switch does not turn it on or off. An inflator that cannot be controlled with the switch is dangerous and must be repaired.
4. Place the switch off position before making any adjustments, hanging accessories, or storing the inflator. Such preventive safety measures reduce the risk of starting the inflator accidentally.
5. Store idle inflators out of reach of children and other untrained persons. Inflators are dangerous in the hands of untrained users.
6. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the inflator's operation. If damaged, have the inflator serviced before using. Many accidents are caused by poorly maintained tools.
7. Use only accessories that are recommended by the manufacturer for your model. Accessories that may be suitable for one inflator may create a risk of injury when used on another inflator.
8. Keep the inflator and its handle dry, clean and free from oil and grease. Always use a clean cloth when cleaning. Never use brake fluids, gasoline, petroleum-based products, or any strong solvents to clean your inflator. Following this rule will reduce the risk of loss of control and deterioration of the enclosure plastic.
9. Never point any inflator toward yourself or others.
10. Keep the exterior of the inflator dry, clean, and free from oil and grease. Always use a clean cloth when cleaning. Never use brake fluids, gasoline, petroleum-based products, or any strong solvents to clean the unit.




Following this rule will reduce the risk of deterioration of the enclosure plastic.








11. Do not exceed the pressure rating of any component in the system.
12. Protect material lines and air lines from damage or puncture. Keep hose and power cord away from sharp objects, chemical spills, oil, solvents, and wet floors.

SERVICE

1. Inflator service must be performed only by qualified repair personnel. Service or maintenance performed by unqualified personnel may result in a risk of injury.
2. When servicing an inflator, use only identical replacement parts. Follow instructions in the Maintenance section of this manual. Use of unauthorized parts or failure to follow Maintenance instructions may create a risk of shock or injury.

SYMBOLS

Symbol	Signal	Meaning
	DANGER	Indicates a hazardous situation, which, if not avoided, will result in death or serious injury.
	WARNING	Indicates a hazardous situation, which, if not avoided, could result in death or serious injury.
	CAUTION	Indicates a hazardous situation, which, if not avoided, may result in minor or moderate injury.
	NOTICE	Indicates a situation that may result in property damage.

Symbol	Name	Designation/Explanation
	Safety Alert	Indicates a potential personal injury hazard.
	Read Operator's Manual	To reduce the risk of injury, the user must read and understand the operator's manual before using this product.
	Eye Protection	Always wear eye protection with side shields marked to comply with ANSI Z87.1.
	Wet Conditions Alert	Do not expose to rain or use in damp locations.
	Recycle Symbols	This product uses lithium-ion or nickel-cadmium batteries. Local, state, or federal laws may prohibit disposal of batteries in ordinary trash. Consult your local waste authority for information regarding available recycling and/or disposal options.
	Hot Surface	To reduce the risk of injury or damage, avoid contact with any hot surface.
V	Volts	Voltage
min	Minutes	Time
	Direct Current	Type or a characteristic of current
no	No Load Speed	Rotational speed, at no load
.../min	Per Minute	Revolutions, strokes, surface speed, orbits etc., per minute

ASSEMBLY

UNPACKING

This product has been shipped completely assembled.

- Carefully remove the product and any accessories from the box. Make sure that all items listed in the packing list are included.

WARNING

Do not use this product if it is not completely assembled or if any parts appear to be missing or damaged. Use of a product that is not properly and completely assembled could result in serious personal injury.

- Inspect the product carefully to make sure no breakage or damage occurred during shipping.
- Do not discard the packing material until you have carefully inspected and satisfactorily operated the product.

PACKING LIST

- 1*12V/120V Inflator/Deflator

- 1* Tapered Nozzle
- 1* Ball Needle Valve
- 1* Bike Valve Adapter
- 1* High Volume Hose
- 1* User Manual

NOTE:

If any parts are damaged or missing, do not operate this product until the parts are replaced. Use of this product with damaged or missing parts could result in serious personal injury.

FEATURES

PRODUCT SPECIFICATIONS

- **Motor**.....**12V DC/120V AC**
- **High-Pressure Hose Length**71cm
- **High Volume Hose Length**49cm
- **Gauges**.....**Digital** Readout
- **Maximum Pressure**125PSI

NOTE:

For different objects, the max PSI that this unit can be achieved is different.

- **Car tires:** 80 PSI
- **Motorcycle tires:** 80 PSI
- **Bicycle tires:** 100 PSI
- **Other inflatable objects:** 125 PSI

KNOW YOUR INFLATOR/DEFLATOR

For safe use, please understand the key information on this inflator and in this operator manual. Be familiar with all operating features and safety rules before using this product.

ACCESSORIES STORAGE

Accessories provided with the inflator can be placed in the storage area located on the right side of the tool.

DIGITAL GAUGE

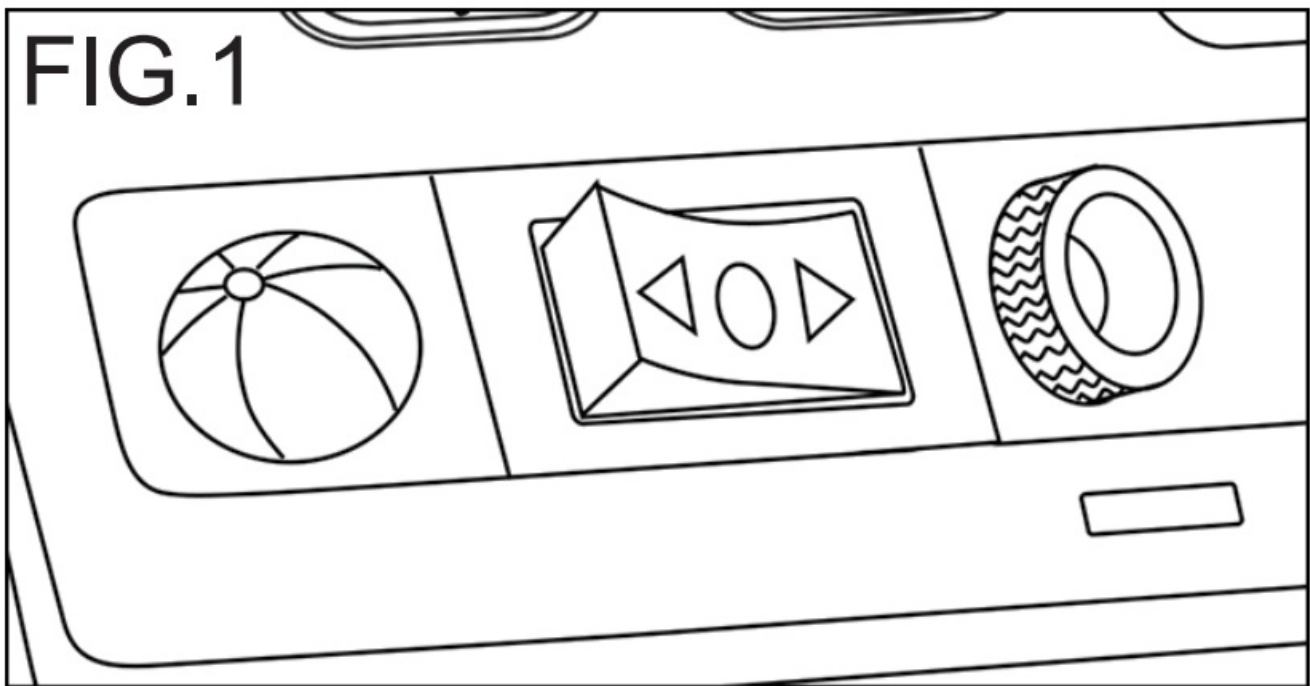
The digital gauge measures and displays the air pressure, monitors pressure output.

HOSE STORAGE

The high-volume hose can easily inflate or deflate items such as air mattresses, rafts, floats, and other low pressure items requiring large quantities of air.

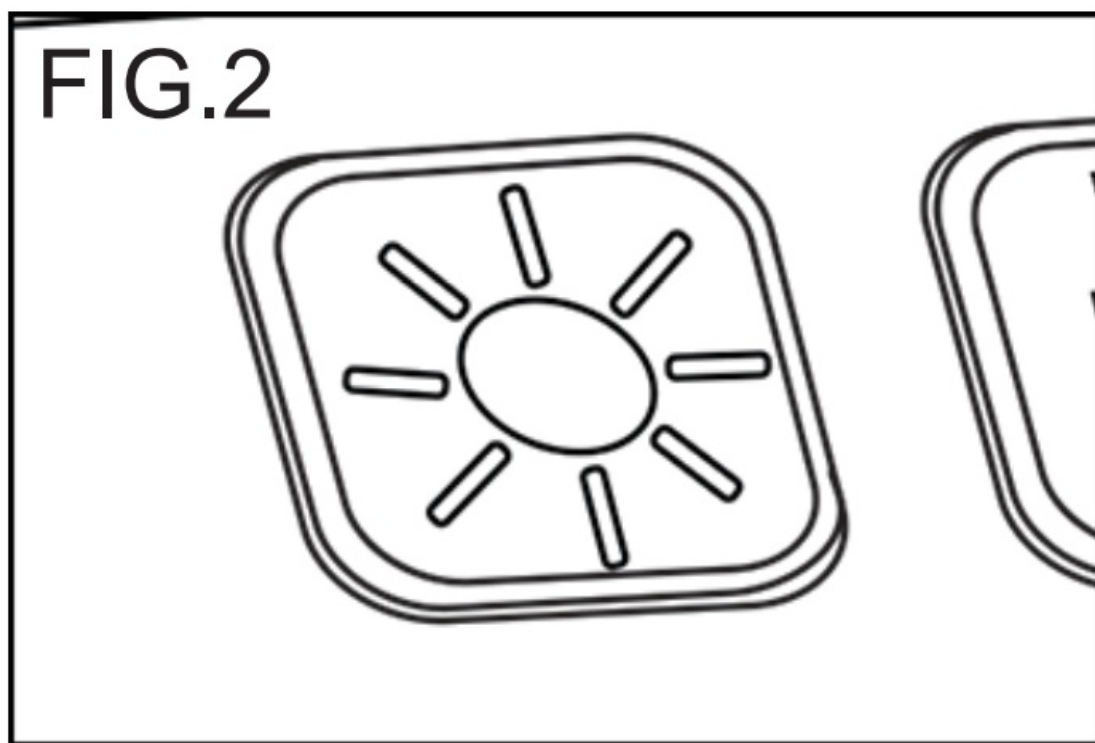
MODE POWER SWITCH(FIG. 1)

This three-position power switch operates the high-volume and high pressure hoses. When the switch is in the center position, all pump are off.



LED LIGHT(FIG. 2)

If you need led light, please press the led light button.



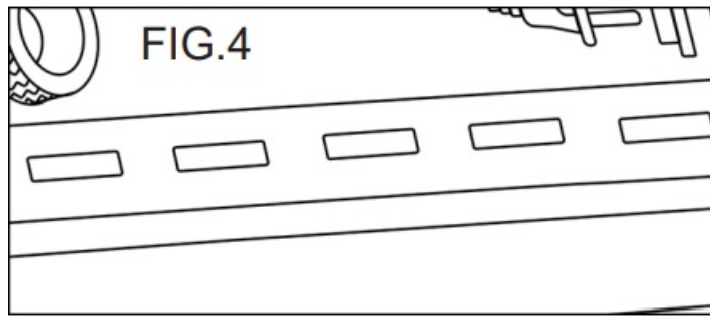
UNIT CHANGE(FIG. 3)

The inflator has three measure unit (PSI/BAR/KPA). You can press the button to adjust.



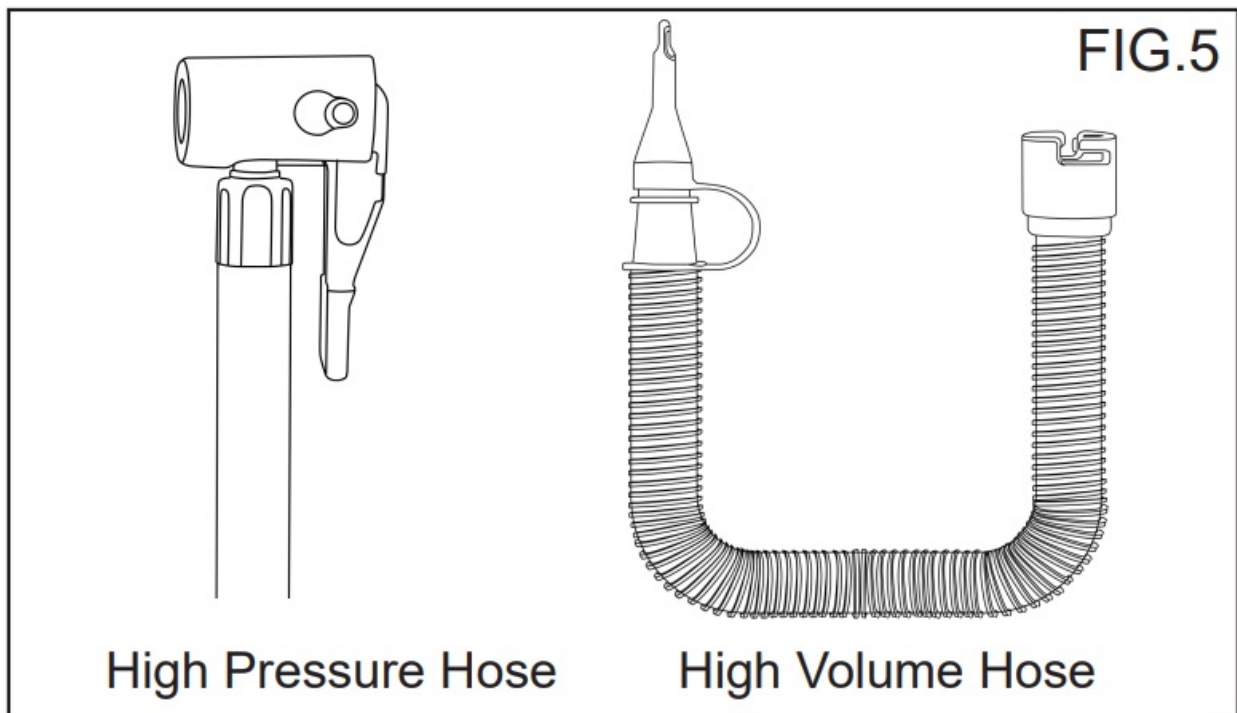
PSI LEVEL LIGHT (FIG. 4)

During working, the PSI level light will flash in sequence. The level light will start to flash and turn green light until it reaches the target psi



DUAL HOSES(FIG.5)

The inflator has two hoses for two types of inflation. The high-pressure hose is for inflating high-pressure items like tires and sports balls. The high-volume hose is designed for inflating or deflating low-pressure, high-volume items like air rafts, air mattresses, floats.



OPERATION INSTRUCTIONS

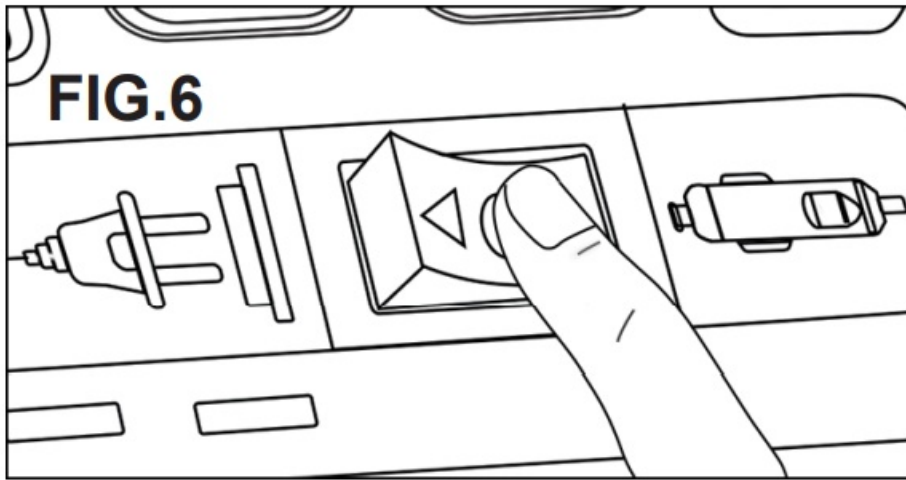
INFLATION OPERATION

Step 1: Choose the power supply

- **12V DC Power (FIG. 6**

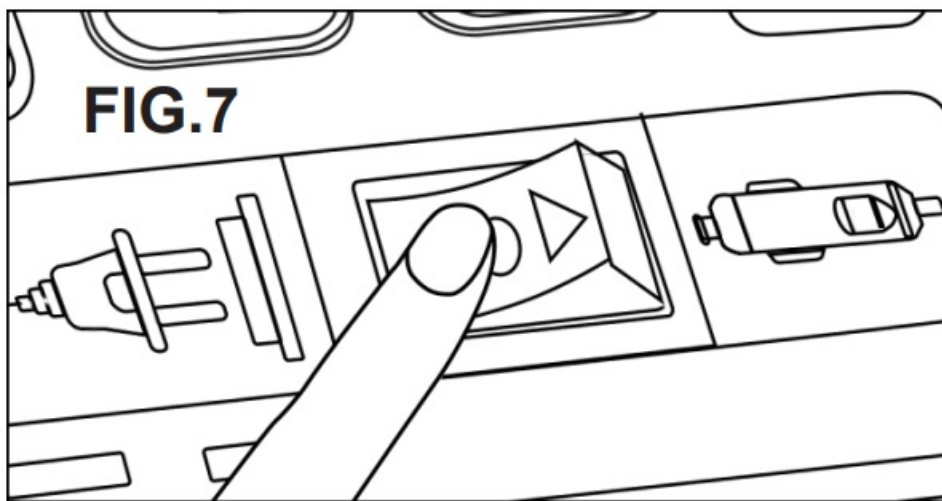
First, insert the cigarette plug into the car's Cigarette lighter socket to turn the inflator on.
Then press the Power Switch on right.

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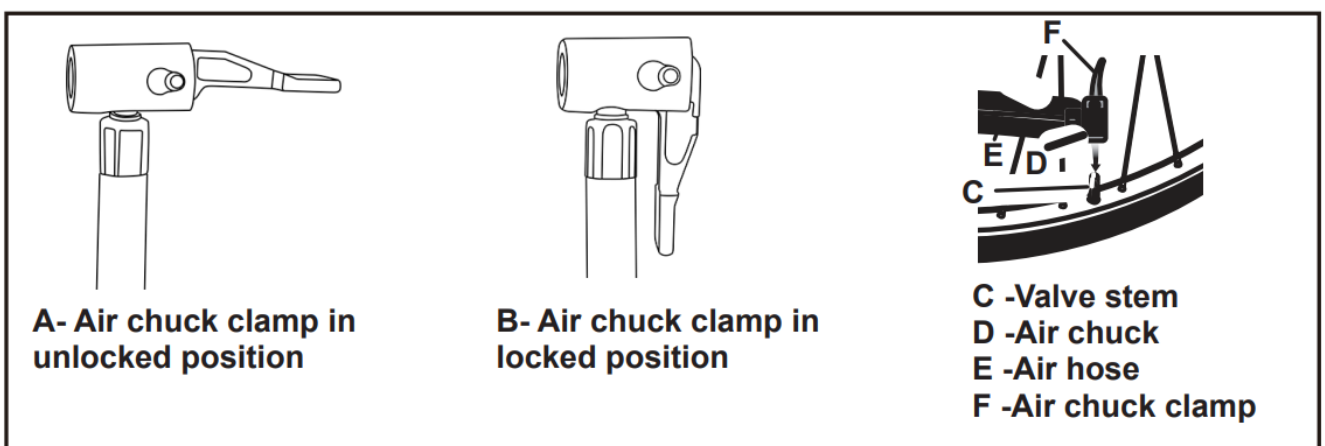
120V AC Power (FIG. 7)

To turn on inflator, insert the 120 Volt AC Power Cord into a grounded 120 Volt AC Outlet and then press the Power Switch into left.



Step 2: Connect the Air Chuck to the Valve Stem

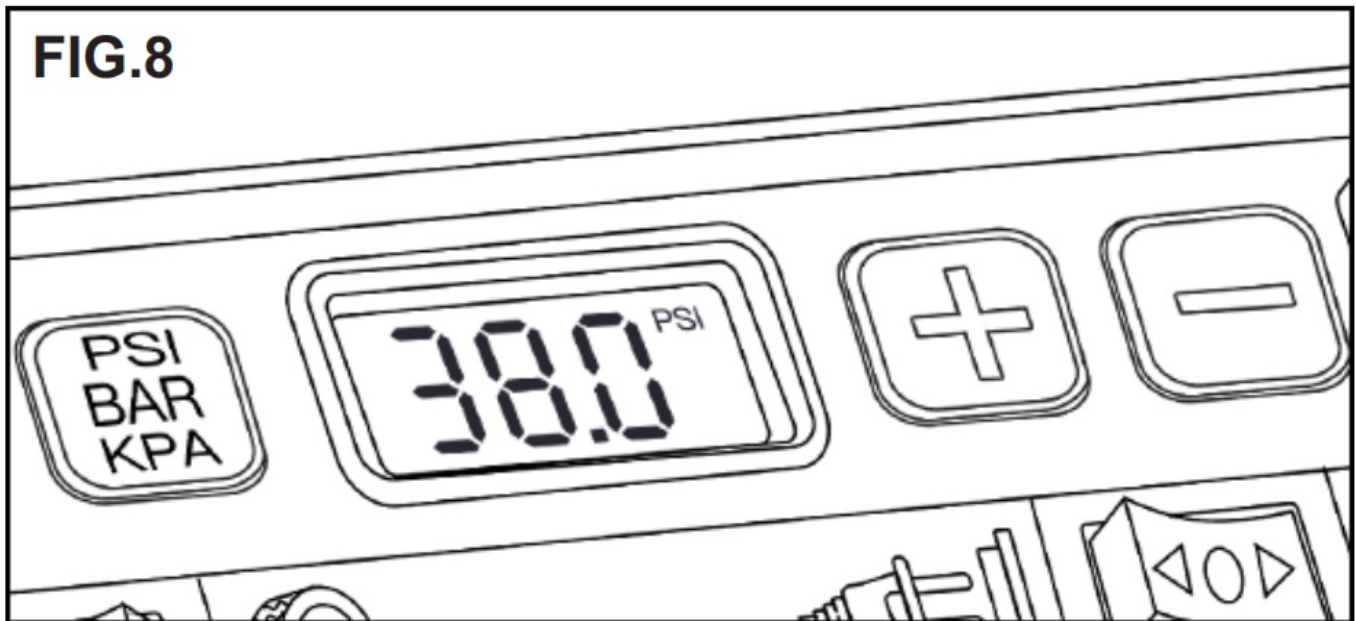
1. Push the air chuck clamp up so that it is in the unlock position.
2. Then place the air chuck on the valve stem and make sure the threaded section of the valve stem is inside the air chuck.
3. Pressing air chuck clamp down until it stops or is parallel with the air hose.



NOTE:

Improperly attached hoses or accessories can become detached under pressure and cause serious injury. Possible air leaks can cause faulty pressure readings. Make sure all connections are tightly secured.

Step 3: Set the Pressure Value (FIG.8)

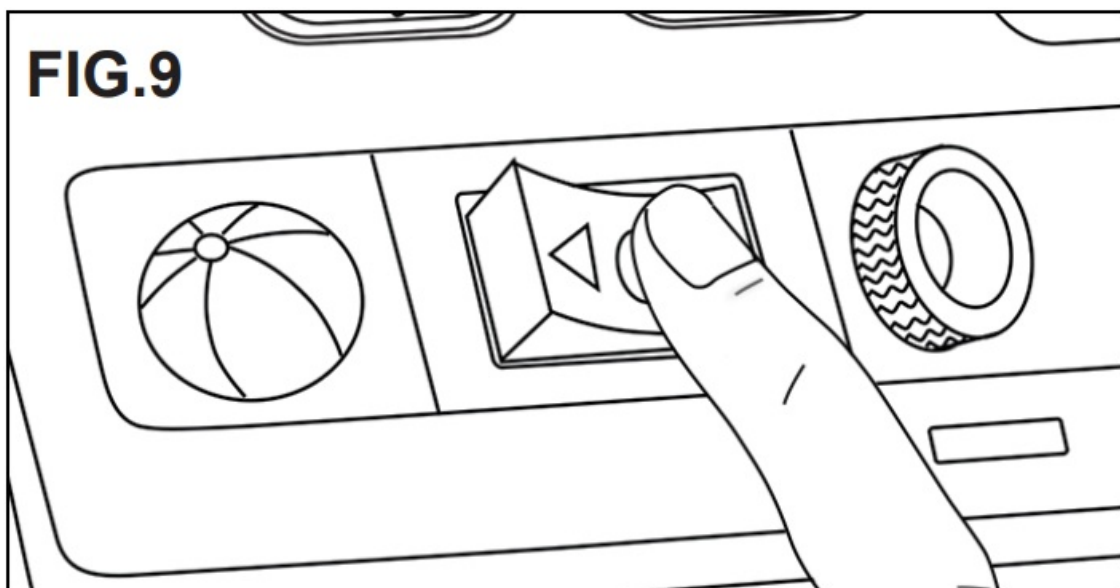


1. Press “PSI” button to read the current tire pressure on the gauge.
2. Press “PSI” button again to select tire pressure measurement unit from PSI, KPA, BAR.
3. Press “+” or “-” button to set the desired pressure
4. The digital display will flash the value three times and then reverse to the current pressure value. This means that the preset value has been set successfully.

Step 4: Choose High-pressure/High-volume Mode

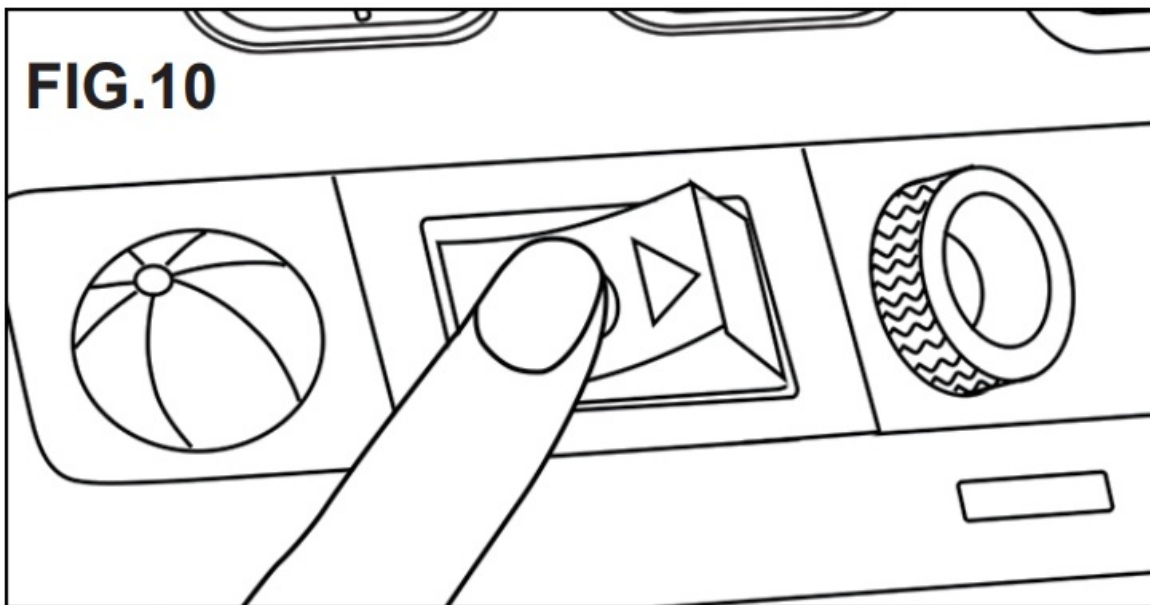
1. High-pressure Mode (FIG. 9

Press this switch into right for inflating high pressure items like tires, sports balls and more.



2. High-volume Mode (FIG. 10

Press this switch into left for inflating or deflating low pressure but high volume items like air rafts, air mattress, floats.



The tire pump will start inflating after you press the high-pressure/high-volume mode switch. When it reaches the preset pressure value, the device will automatically stop working.

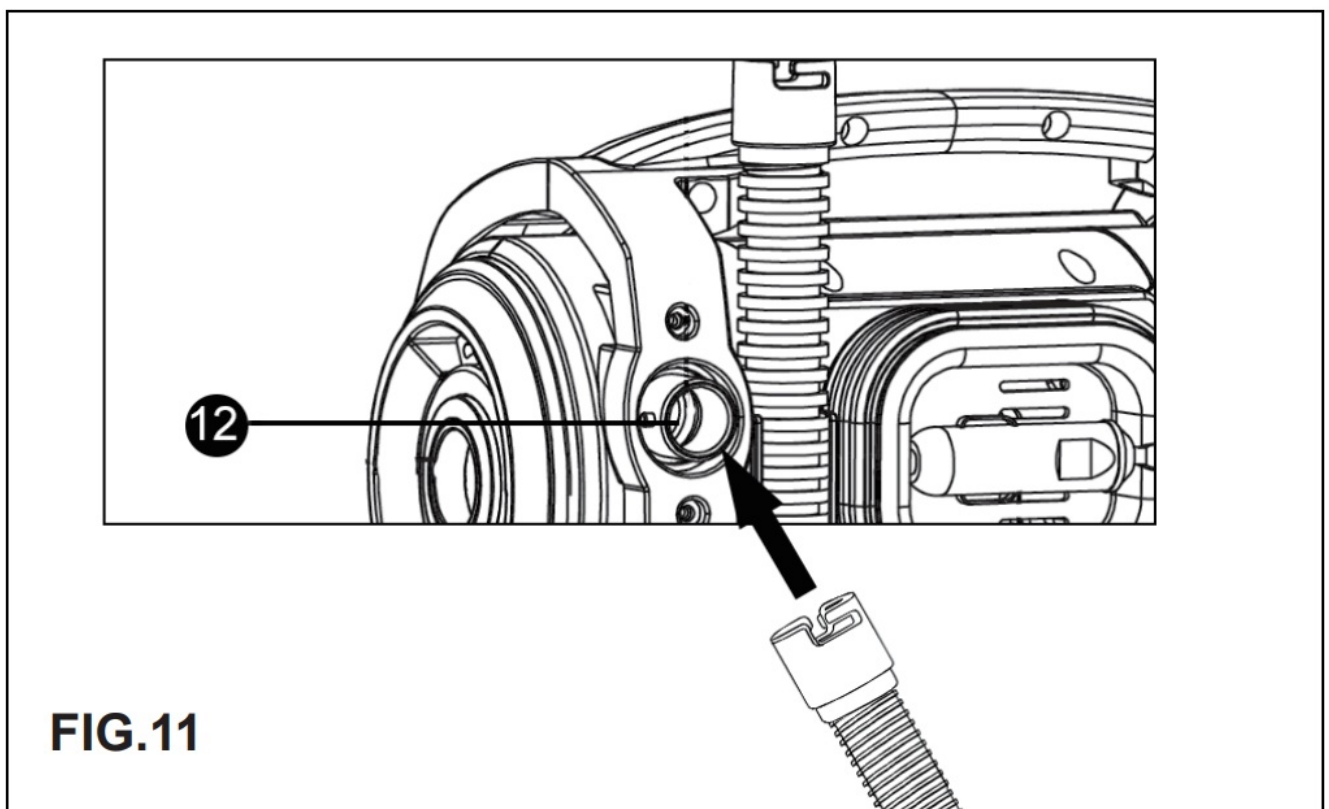
NOTE:

- If the high pressure/ high volume button or AC/DC button is on neutral positions, the unit will not work. So If you want to stop it, just make one of these two switches on neutral position.
- The inflator has a tolerance of +or- 2PSI and will automatically shut off when the preset value reaches.

HIGH FLOW HOSE INSTALLATION

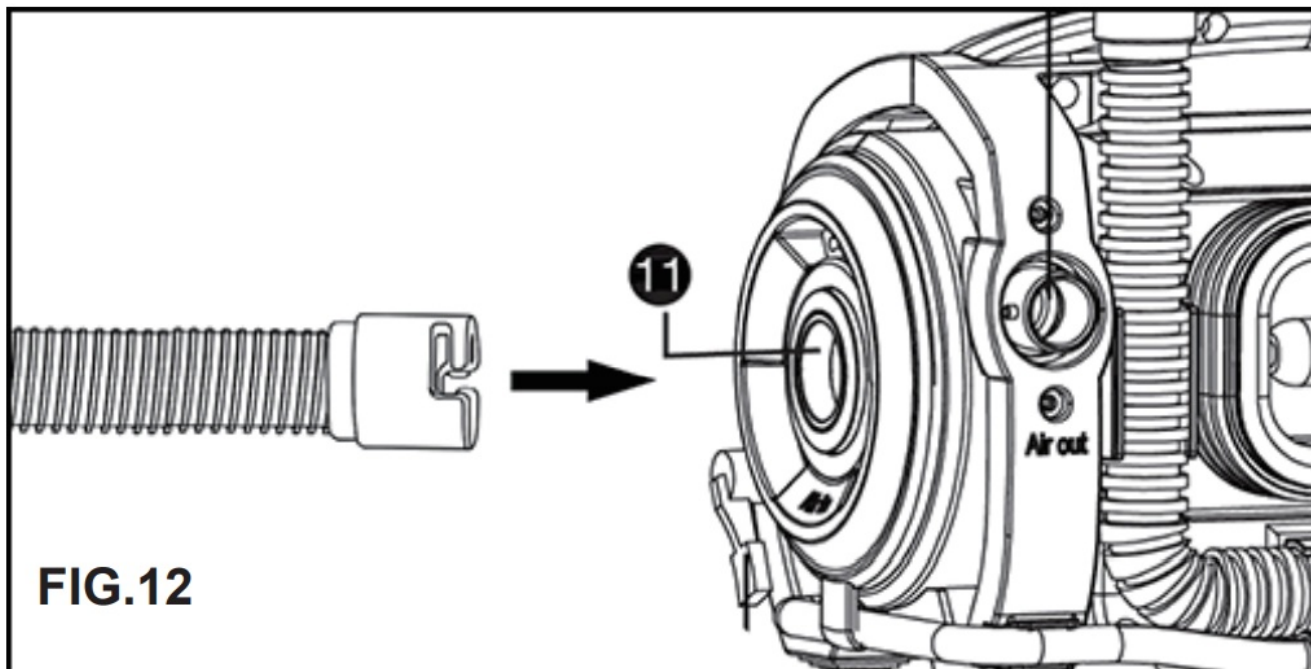
• **INFLATION(FIG. 11)**

For inflation, install this hose on the port marked with “air out” (12).



• **DEFLATION(FIG. 12)**

For deflation, install this hose on the port marked with “air in”(11).



DEFLATION OPERATION

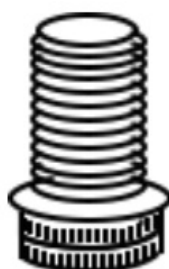
The deflating function only works under high-volume mode for deflating high-volume items like air rafts, air mattresses, floats. This function does not work for high-pressure but low-flow objects, such as tires, basketballs and footballs.

Steps:

- Select the power supply
- Install the high flow tube on the port marked with “air in”.
- Turn on high-volume (press the mode power switch into left).

ATTACHMENTS

- Bike Valve Adapter



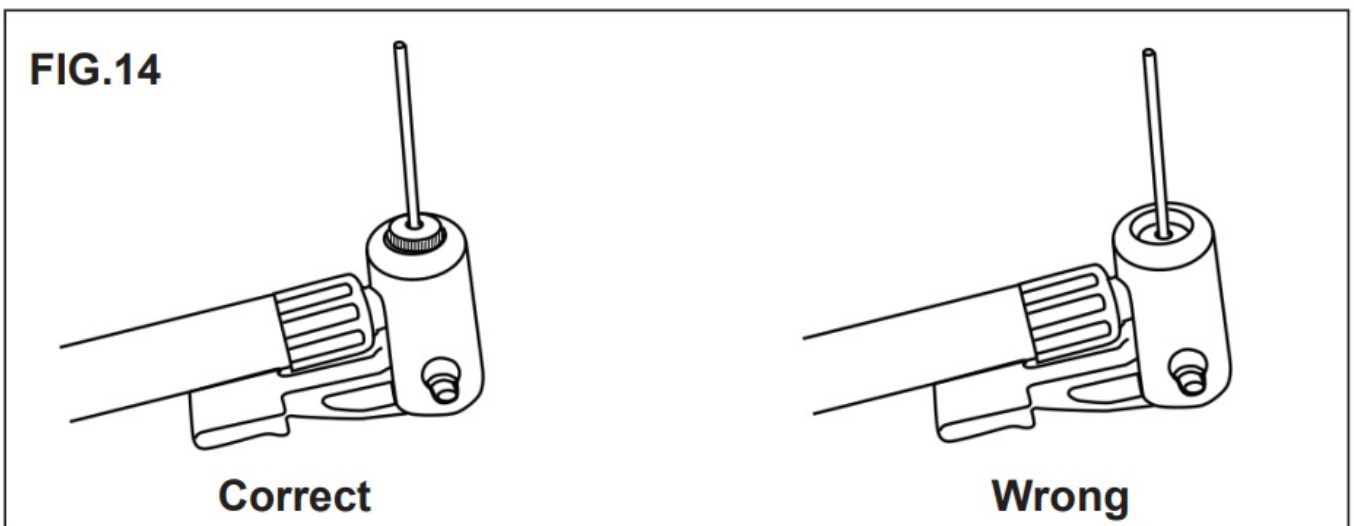
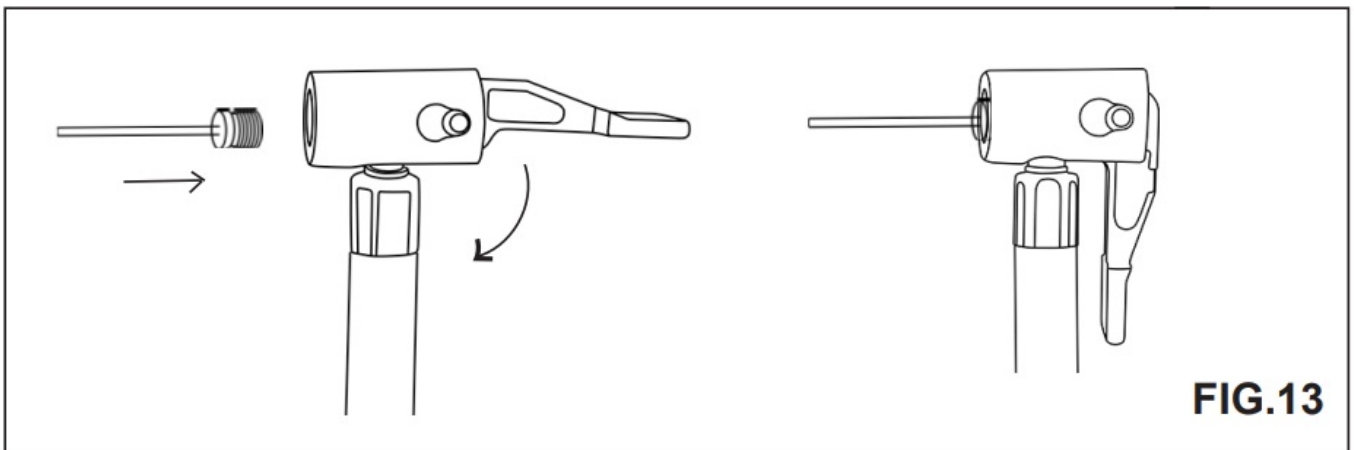
- Tapered Nozzle



- Sport Balls Needle

For inflating sport balls like basketball, football, etc. The following two pictures shows how to hoop up the nozzle to air chuck.

Note: Do not fully insert the ball needle into the air chuck to prevent the vent hole of needle from being completely blocked.



TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	CORRECTIVE ACTION
Unit will not start.	1. Preset pressure setting may be below the actual pressure of the item you are inflating. 2. Cord not plugged in.	1. Adjust Preset pressure setting to higher pressure. 2. Plug into a working 120 Volt AC Outlet

FAQs

What is the maximum inflation rate of the AVID POWER ACAP322 Dual Power Inflator/Deflator?

The AVID POWER ACAP322 Dual Power Inflator/Deflator has a maximum air flow capacity of 30 LPM, allowing for super-fast inflation of tires and other inflatables.

What power sources can the AVID POWER ACAP322 Dual Power Inflator/Deflator use?

The AVID POWER ACAP322 Dual Power Inflator/Deflator can be powered by both 12V DC from a car's cigarette lighter or 120V AC from a standard household outlet, providing versatility for indoor and outdoor use.

What is the maximum tire size that the AVID POWER ACAP322 Dual Power Inflator/Deflator can inflate?

The AVID POWER ACAP322 Dual Power Inflator/Deflator is suitable for inflating tires on cars, bikes, and sedans, but does not support heavy-duty truck tires.

How does the AVID POWER ACAP322 Dual Power Inflator/Deflator ensure safe and accurate inflation?

The AVID POWER ACAP322 Dual Power Inflator/Deflator features an auto shut-off function that stops the inflation when the desired pressure is reached, as well as a digital pressure gauge with unit conversion for PSI, Bar, and KPA.

What additional features does the AVID POWER ACAP322 Dual Power Inflator/Deflator offer?

The AVID POWER ACAP322 Dual Power Inflator/Deflator includes an inflation and deflation mode, an ultra-bright LED flashlight, and comes with various nozzle adapters for inflating a wide range of items.

What is the noise level of the AVID POWER ACAP322 Dual Power Inflator/Deflator?

The AVID POWER ACAP322 Dual Power Inflator/Deflator operates at a noise level of 65 dB, making it a relatively quiet air compressor.

How portable and compact is the AVID POWER ACAP322 Dual Power Inflator/Deflator?

The AVID POWER ACAP322 Dual Power Inflator/Deflator has a compact and lightweight design, measuring 11 x 7 x 6.8 and weighing only 5.9 pounds, making it easy to store and transport.

What types of inflatables can the AVID POWER ACAP322 Dual Power Inflator/Deflator be used for?

The AVID POWER ACAP322 Dual Power Inflator/Deflator can be used to inflate a wide range of items, including car and bike tires, sports balls, air rafts, air mattresses, and pool floats, thanks to its dual hose system.

How long are the power cords and hoses on the AVID POWER ACAP322 Dual Power Inflator/Deflator?

The AVID POWER ACAP322 Dual Power Inflator/Deflator comes with a 9.8-foot (3m) 12V DC power cord and a 28-inch high-pressure hose, as well as a 19.3-inch high-volume hose, providing ample reach and flexibility.

What safety features are included in the AVID POWER ACAP322 Dual Power Inflator/Deflator?

The AVID POWER ACAP322 Dual Power Inflator/Deflator is equipped with reverse polarity and short circuit protection, ensuring safe operation and preventing damage to the compressor or the connected device.

How durable is the construction of the AVID POWER ACAP322 Dual Power Inflator/Deflator?

The AVID POWER ACAP322 Dual Power Inflator/Deflator features a sturdy, metal-bodied design that is built to withstand the rigors of regular use, both in the garage and on the road.

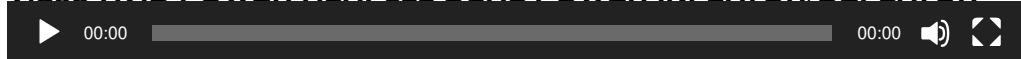
What is the maximum pressure output of the AVID POWER ACAP322 Dual Power Inflator/Deflator?

The AVID POWER ACAP322 Dual Power Inflator/Deflator can deliver up to 200 PSI of pressure, ensuring it can handle a wide range of inflation tasks, from car tires to high-pressure inflatables.

How easy is the AVID POWER ACAP322 Dual Power Inflator/Deflator to operate?

The AVID POWER ACAP322 Dual Power Inflator/Deflator is designed with user-friendly features, such as an intuitive control panel, digital pressure gauge, and automatic shut-off, making it simple and straightforward to use.

Video-AVID POWER ACAP322 DUAL POWER INFLATOR/DEFLATOR



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References

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