

BLACK RIDGE

INSTRUCTION MANUAL



1HP AIR INFLATOR

MODEL NO. BR500 - PLU: 590729

- ▶ 1HP Direct drive motor
- ▶ 8 Litre tank size
- ▶ Includes Nitto style fitting

8L

TANK CAPACITY

70 L/MIN

FREE AIR DELIVERY

115 PSI
8 BAR PRESSURE
NO REGULATOR

12 MTH
WARRANTY

Dear Customer,

Thank you for purchasing this air inflator which has passed through our extensive quality assurance processes. Every care has been taken to ensure that it reaches you in perfect condition. However, in the unlikely event that you should experience a problem, or if you require any assistance please do not hesitate to contact us on the number below:

If you have a problem, call customer service on the number below.

Express Warranty Statement

You are not required to do anything to register your air inflator purchase. Please attach the purchase receipt to this manual and ensure both are kept safe. We hope you enjoy your new air inflator, and if you have any problems call customer service on the numbers below. Smart Marketing Group Pty Ltd (SMG) warrants that this air inflator will be free from manufacturing faults or defects for 12 months from the date of purchase, providing original purchase receipt is kept and shown when needed and is subject to the terms and conditions. For full warranty details please see page 11.

What is covered

- ▶ **Manufacturing fault or defect.**

How to claim under this warranty

- ▶ **Ensure you have the following: Original purchase receipt, model of air inflator and serial number of air inflator.**
- ▶ **Call customer service, number below.**
- ▶ **Discuss the issue.**
- ▶ **Customer service will advise which authorised service facility to take the air inflator to, provided the issue is a warranty one.**
- ▶ **Take air inflator to authorised service facility for repair.**

BLACKRIDGE

For service, spare parts or product information, please contact:

SMART MARKETING GROUP PTY. LTD.

AUSTRALIA: 1300 660 457

NEW ZEALAND: 0800 474 876

TECHNICAL INFORMATION

AIR INFLATOR
BR500

VOLTAGE
240V AC ~ 50 HZ

MOTOR
ELECTRIC 1 HP

WATTAGE
750 W

NO LOAD SPEED
2800 RPM

FREE AIR DELIVERY (FAD)
70L PER MINUTE

TANK SIZE
8 L

DUTY CYCLE
50%

MAX. TANK PRESSURE
115 PSI [8 BAR]

OUTLET PRESSURE
115 PSI ADJUSTABLE NO REGULATOR
SUPPLIED

NOISE RATING
77DB@5M

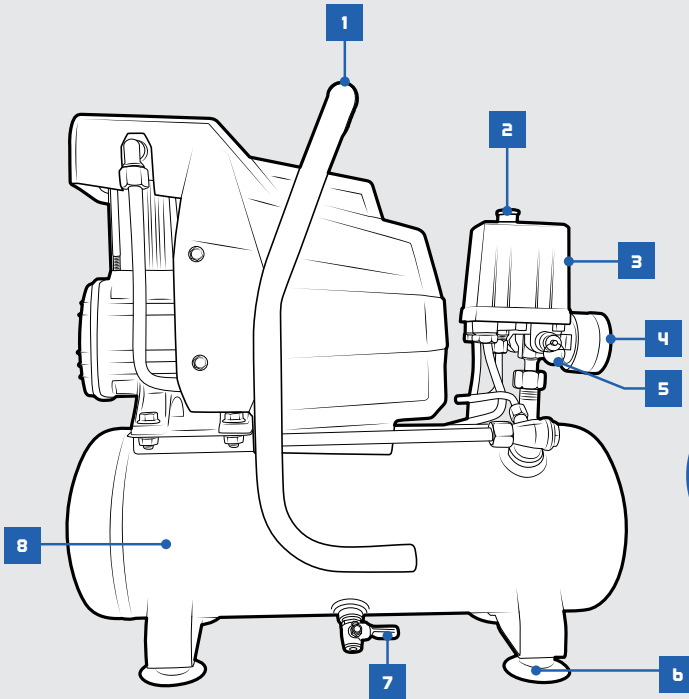
MOTOR / PUMP KICKS IN
85 PSI

PRESSURE CYCLE STOPS
115 PSI

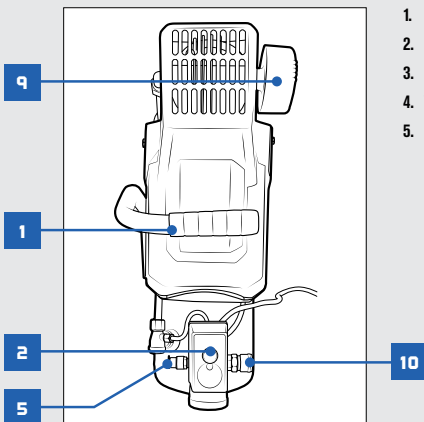
NUMBER OF OUTLETS
1

1HP AIR INFLATOR

MODEL NO. BR500



KNOW YOUR INFLATOR



1. Carry Handle
2. On/Off Button (red colour)
3. Pressure Switch
4. Tank Pressure Gauge
5. Safety Valve
6. Rubber Stopper
7. Tank Drain Tap
8. Tank
9. Air Filter
10. Air outlet fitting Nitto style

OPERATING INSTRUCTIONS

1. PRE SETUP CHECKS

Before using the air inflator it should be carefully checked to determine that it will operate properly and perform its intended function.

- ▶ Check for the correct alignment of moving parts ensuring that they do not bind.
- ▶ Check for broken or missing parts.
- ▶ The air inflator should be set up near to the user.
- ▶ Check any other condition that may affect the operation of the air inflator.
- ▶ Before you use your air inflator, make sure that the mains voltage complies with the specifications on the rating plate.
- ▶ A guard or any other part of the air inflator that is damaged should be properly repaired or replaced by an authorised service facility unless otherwise indicated in this instruction manual.



WARNING! ENSURE THE AIR INFLATOR IS TURNED OFF AND DISCONNECTED FROM THE POWER SUPPLY BEFORE PERFORMING ANY OF THE FOLLOWING OPERATIONS.

2. ASSEMBLY

Unpacking

Carefully unpack your air inflator. This air inflator is bulky and heavy, two (2) person lift may be required. Dispose of all packing material in an environmentally responsible manner.

Rubber stopper

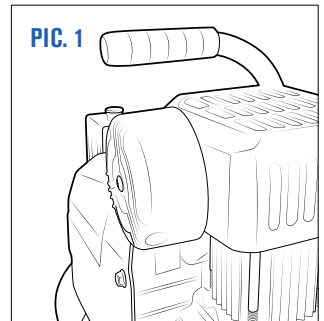
For this air inflator, the rubber stoppers are already assembled.

Handle

For this air inflator, the handle is already assembled.

Air Filter

Carefully screw supplied air filter into the threaded hole on the top of the pump head. This only needs to be done up by hand. Pic. 1.



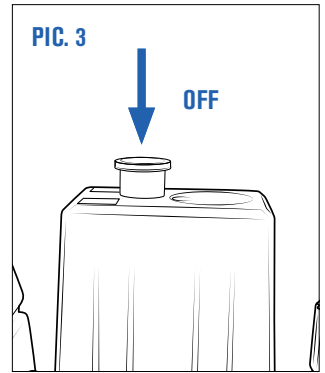
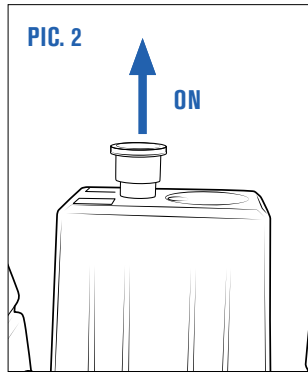
3. YOU'RE IN CONTROL

To turn your air inflator ON

Lift up the red ON / OFF button on top of the pressure switch. Pic 2.

To turn your air inflator OFF

Push down the red ON / OFF button on top of the pressure switch. Pic 3.



4. USING YOUR PRODUCT

Running in your new air inflator

Your inflator does not require running in. Before use ensure you have read and understood these instructions.

Before use ensure this air inflator is fully assembled.

Positioning your new air inflator

- ▶ **Always position air inflator on level ground.**
- ▶ **Always position air inflator away from work area so that the air inflator does not get covered in dust, water or paint.**

Adjusting the pressure

This air inflator does not come with any outlet pressure regulator, this means you can not adjust the outlet pressure. The pressure is 115PSI and will slowly drop as the air stored in the tank is used.

Pumping starts at (minimum) 85PSI and stops at (maximum) 115PSI.

If you require adjustable pressure or a lower pressure than 115PSI then you will need to purchase a regulator with gauge.

When you're finished

- 1. Turn your air inflator OFF, using the ON/OFF button.**
- 2. Turn the power point OFF and disconnect the power lead.**
- 3. Disconnect your air tools and air hose.**
- 4. Clean your air hose and air tools.**
- 5. Store your air hose and air tools in a secure well ventilated cabinet.**
- 6. Slowly open the tank drain tap. This allows excess air and moisture, water, to vent.**
- 7. Leave the tank drain tap open. This allows any moisture to drain while the air inflator is stored.**



WARNING! ALWAYS ENSURE THAT YOU PLUG YOUR AIR INFLATOR INTO A STANDARD 240V AC POWER POINT. NEVER USE AN EXTENSION CORD, USE A LONGER AIR HOSE IF YOU NEED TO GET CLOSER TO YOUR WORK AREA.

5. MAINTENANCE

Daily: before use

1. Seal the tank drain tap.
2. Check safety valve operation.

After use

1. Disconnect from main power.
2. Open the tank drain tap.
3. Wipe down the air inflator.
4. Store safely and securely.

After every 50 hours of use

1. Replace the air filter.

Drain tap

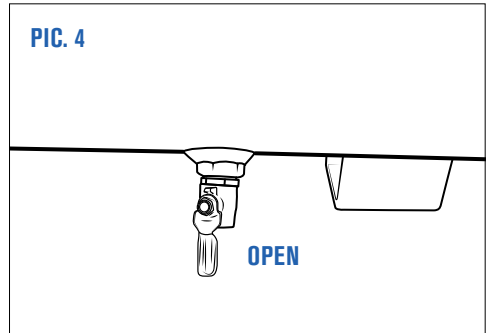
After use, open the drain tap to drain excess air and any moisture. The excess air will also help purge the moisture. Leave the drain tap open when air inflator is not in use, so any moisture can continue to drain.

To open the drain tap pull the lever down to vertical. Pic. 4.

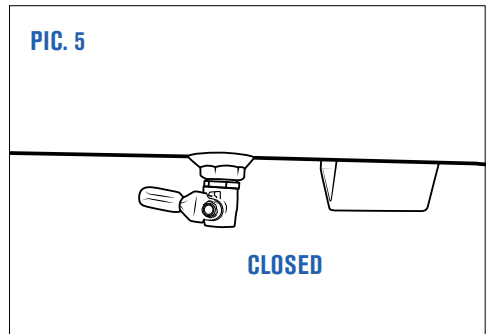
To seal the drain tap push the lever up to horizontal. Pic. 5.

NOTE: Remember to seal the drain tap before starting the air inflator.

PIC. 4



PIC. 5



Air fitting outlet

Note: This inflator has been supplied with no adjustable regulator and gauge.

This inflator only has 115PSI pressure. If you require adjustable pressure you will need to buy a regulator.

This air inflator is fitted with a 'Nitto style' (female) socket.

1. Slide the outer collar down.
2. Push in the 'Nitto style' male plug (not included).
3. Release the collar.
4. Fully and completely push the 'Nitto style' male plug (not included) into the 'Nitto style' female socket until it clicks.

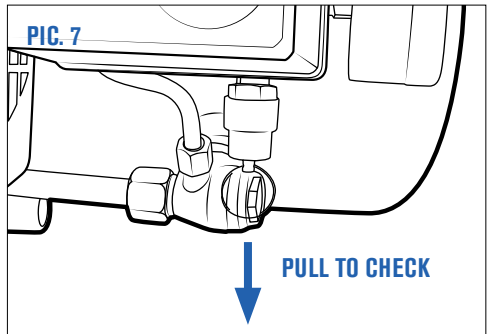
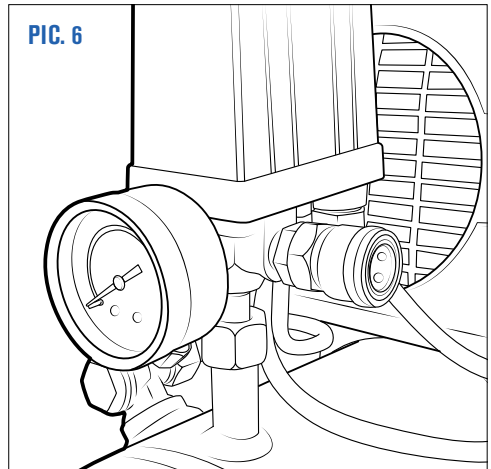
Note: This inflator has a maximum pressure of 8 bar. Different air tools require different operating pressures. Always check with the tool manufacturer if unsure.

Safety valve

NOTE: When checking the safety valve ALWAYS wear safety glasses.

To check the operation of the safety valve the air tank will need to be full. Gently pull the ring outwards. This should release air under pressure. Release the ring and this should stop the air out flow immediately, once pressure decreases, Pic 7.

If the safety valve does NOT work in this manner, STOP the air inflator immediately and have the air inflator checked / serviced by an authorised service facility.



TROUBLESHOOTING

If your air inflator does not start

- ▶ Check that you have plugged the power lead into a standard 240V 10Amp power point and turned the switch ON.
- ▶ Check that you have turned on the air inflator by lifting the ON/OFF button UP.
- ▶ The air tank may be full. Use your air tool and the air inflator should start when the pressure decreases to 85PSI.

If your air inflator does not build up pressure

- ▶ Check that the tank drain tap is sealed.
- ▶ Air filter could be dirty or blocked, replace air filter.

If your air inflator does not hold pressure

- ▶ Check your hose and tool for leaks and fix as appropriate.
- ▶ Check that drain valve is sealed.
- ▶ Check Nitto style fitting with soapy water mix and if bubbles then call Smart Marketing Group for options.

If these tips do not work please have your unit checked by an authorised service centre.

Call SMART MARKETING GROUP PTY. LTD.
for your closest centre:

AUSTRALIA: 1300 660 457
NEW ZEALAND: 0800 474 876

SPECIFIC SAFETY INSTRUCTIONS

Important

This air inflator is fitted with a sealed electrical connection plug that is compatible with the mains power supply for Australia / New Zealand and meets the requirements of Australian Standards. This air inflator must be connected to a supply voltage that is equal to that stated on the rating label. If the mains power connection plug or power cord becomes damaged it must be replaced with a complete assembly that is identical to the original, and this must be replaced by an authorised service facility. Always follow the Australian / New Zealand requirements for connection to the mains supply. If in doubt always consult a qualified electrician.



WARNING! DO NOT USE THE AIR INFLATOR IN AREAS WHERE THERE IS A RISK OF EXPLOSION OR FIRE FROM COMBUSTIBLE MATERIALS.

THE SPARKS GENERATED FROM CERTAIN TOOLS ATTACHED TO AIR INFLATOR CAN IGNITE COMBUSTIBLE MATERIALS AS WELL AS FLAMMABLE LIQUIDS, PAINT, VARNISH, PETROL, FLAMMABLE GASES AND DUST OF AN EXPLOSIVE NATURE. AS A PRECAUTION IT IS RECOMMENDED THAT YOU CONSULT AN EXPERT ON A SUITABLE FIRE EXTINGUISHER AND ITS USE.

- ▶ Do not attempt to modify the air inflator, guards or the supplied accessories in any way.
- ▶ Domestic air inflators are designed for intermittent operation. Ideally a 50% duty cycle. (Meaning: 30 seconds ON motor pumping and 30 seconds OFF, motor not pumping). Simply put, when the motor is pumping, the attached air tool can not be used. Only use the attached air tool while the air inflator is not pumping.
- ▶ Stop using the attached tool as soon as the air inflator starts pumping.
- ▶ Fully assemble air inflator before use.
- ▶ Never run this air inflator without the air filter and rubber stopper(s) being correctly fitted.
- ▶ Never use an extension cord with this air inflator always use a longer air hose.
- ▶ Never connect to a generator which does not produce sufficient power, at least 3000W and has pure sine wave power output.
- ▶ Domestic air inflators are not designed for industrial / commercial applications.
- ▶ Domestic air inflators are not designed for continuous running. Always follow duty cycle - 50%.
- ▶ Avoid touching the pump area as it can become very hot and may burn.
- ▶ Ensure that the air inflator is disconnected from the mains supply when not in use, before servicing, lubricating, making changes and when changing attachments such as air hoses / tools.
- ▶ Always use the correct type of tool for the operation to be carried out.
- ▶ Never use the air inflator if any part of the unit is damaged. Always have the air inflator serviced by an authorised service facility.
- ▶ Always wear safety eye, ear and respiratory protection when operating the air inflator.
- ▶ Allow the tank to completely fill before using the air inflator.
- ▶ If the air inflator makes an unfamiliar sound or vibrates excessively, switch the air inflator 'OFF' immediately and disconnect from the mains power supply. Investigate the possible cause or consult your authorised service facility.
- ▶ Always move the air inflator using the handle.
- ▶ Always use the air inflator on stable ground.
- ▶ This air inflator is designed to compress normal air. Never use to compress any other type(s) of gases.
- ▶ Never direct the jet of air or other liquids / gases towards your body, other persons or animals.
- ▶ Never direct the jet of air or other liquids / gases towards this air inflator.
- ▶ This air inflator is not suitable for pharmaceutical, food or sanitary purposes.
- ▶ This air inflator is not to be used to for filling scuba or oxygen air bottles or tanks.
- ▶ Always follow the instructions relating to the tools attached to this air inflator.

COMPLETE WARRANTY STATEMENT

As soon as you have purchased the air inflator we recommend that you check to make sure it is intact and that you read the operating instructions carefully before using it. The purchase receipt for this product is to be retained and must be presented if making a claim under the terms of the Smart Marketing Group (SMG) warranty. Bank account statements are not acceptable for proof of purchase. No-hassle warranty & returns as we keep your Club Plus purchases on file. Find out more at www.supercheapauto.com.au

This warranty does not cover air inflators intended for hire or use in commercial applications or in commercial premises. The warranty will, under no circumstances extend to reimbursement or payment of damages, whether direct, indirect or consequential. The warranty is void if there is evidence the air inflators has been modified or tampered with in any way or used with unauthorised accessories without our consent.

SMG declines any responsibility or liability whatsoever arising from misuse or abuse, negligent handling of the air inflator or if the product has not been installed or failure to comply with the relevant safety, operating, setting and maintenance instructions (see further in this manual).

Any item sent freight collect for repair will be refused.

Warranty repairs are free of charge, provided the air inflator is delivered to our service department or authorised service facility. The air inflator will need to be returned, adequately protected in a box. Transit damage is responsibility of the owner. Assistance under the warranty will only be made available if the request is made to our customer service team on the contact numbers listed below and proof of purchase is provided.

This is a repair only warranty you will need to take the air inflator to the authorised service facility after contacting our customer service centre.

If the product includes various accessories or components, only the defective accessory or component will be replaced or repaired.

SMG reserves the right to replace defective parts of the product with parts and components of similar quality, grade and composition where an identical part or component is not available.

Products presented for repair may be replaced by refurbished products of the same type rather than being repaired. Refurbished parts may be used to repair the products.

Damage caused by third party accessories is not covered under this warranty.

Damage caused to attached equipment or third party accessories will not be covered under this warranty.

Rust and corrosion are not covered under this warranty.

If a warranty fault is found the freight cost will be credited to the owner. Blockages caused by spider webs, insects, dirt, or accumulated dust is not covered by warranty. SMG reserves the right to replace or repair the air inflator within the warranty period. Parts found to be defective due to a manufacturing default will be replaced free of charge.

In the event of SMG choosing to replace the air inflator, the warranty will expire at the original date of purchase. If no warranty fault is found the owner will be advised and the product will be returned and any costs associated with the service will be charged to the owner.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. If the failure does not amount to a major failure you are also entitled to have the failure rectified in a reasonable time and goods can repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. The benefits of this warranty are in addition to any rights and remedies imposed by Australian State and Federal legislation that cannot be excluded.

In Australia, this SMG warranty is in addition to the conditions and guarantees which are mandatory as implied by the Trade Practices Act 1974 and State and Territory legislation.

In New Zealand, this SMG warranty is in addition to the conditions and guarantees which are mandatory as implied by the New Zealand Consumer Guarantee Act 1993.

For service, spare parts or product information please contact SMART MARKETING GROUP PTY. LTD.

Australia: 1300 660 457

New Zealand: 0800 474 876

BLACKRIDGE

GENERAL SAFETY INSTRUCTIONS

Lubrication of air inflator

This air inflator is OIL FREE. Therefore there is NO oil used for lubrication.

Assembly

This air inflator MUST be fully assembled by you prior to use. Failure to do so will result in the warranty being VOID. Failure to fully assemble this air inflator may also result in personal injury.

Safety

Before attempting to operate this air inflator the following basic safety precautions should be taken to reduce the risk of fire, electric shock and personal injury. It is important to read the instruction manual and to understand applications, limitations and potential hazards associated with the air inflator. This air inflator is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning the use of the air inflator by a person responsible for their safety.

Beware of children and pets

Children and pets should be kept out of the work area. Children should not be allowed to touch or operate the air inflator, tools or extension cords. This air inflator is not designed for use by young children or infirm persons without supervision. The air inflator and tools should be kept out of reach of children, preferably stored or locked in a secure cabinet or room when not in use.

Work area

Work areas and benches should be kept tidy. Cluttered benches and work areas can cause accidents. Floors should be kept clean and free from rubbish. Special care should be taken when the floor is slippery due to sawdust or wax. Always leave sufficient distance, at least 5 metres between the air inflator and the work area, especially when using tools designed for sanding or spraying liquids.

Work environment

Do not expose your air inflator to rain, or use in damp or wet conditions. Keep the work area well lit. Always ensure your air inflator is level and stable. Using your air inflator on unlevel or unstable ground may cause a lack of lubrication and the pump to seize, this damage will not be covered under warranty.

Guard against electric shock

Avoid body contact with earthed or grounded surfaces (e.g. pipes and refrigerators).

Do not force air inflators

The air inflator will do a better, safer job and give you much better service life, if it's used at the duty cycle for which it was designed. The duty cycle will only take effect after the initial (1st) tank fill for the day. This air inflator's duty cycle is 50%. Duty cycle is the proportion of time during which the air inflator is operating compared with not operating. For example a 50% duty cycle could mean after 30 seconds of operation, motor pumping, the air inflator must be left for 30 seconds resting, motor not pumping. When the motor is pumping the attached air tool can not be used. Simple way to understand duty cycle is only use the attached air tool while the air inflator is not pumping. Stop using the attached tool as soon as the air inflator starts pumping.

Use the right tool

Select the right tool for the job. Do not use a tool for a job for which it was not designed. Do not force a small air inflator to do the job of a heavy-duty air compressor. Do not use the air inflator for purposes not intended.

Do not abuse power cord

Never yank or pull on the power cord to disconnect it from the mains supply socket. Never carry or pull your air inflator by its power cord. Keep the power cord away from heat, oil, solvents and sharp edges. Regularly check the plug and cord and if damaged have it replaced by an authorised service facility.

Extension cords and reels

This air inflator **MUST** be plugged directly into a 240V AC wall socket. This air inflator is **NOT** designed to be run off an extension cord/lead. If you need extra distance do **NOT** use an extension cord, **USE A LONGER AIR HOSE**. The use of extension cords may cause power voltage loss and will result in damage to the motor. This will **NOT** be covered under warranty.

Secure the work piece

Whenever possible secure the work piece using clamps or a vice. It is safer than using your hands or feet and leaves both hands free to control the tool.

Hot components

Beware many of the components will get hot during use. Never touch any of the metal pipes, pump or motor as these may burn.

Maintain your air inflator with care

Follow the instructions for changing accessories. Check the air inflator power cord periodically and if damaged, have it replaced by an authorised service facility. Keep handles clean, dry and free from oil and grease. Ensure that ventilation slots are kept clean and free from dust at all times. Blocked ventilation slots or air filter can cause overheating and damage to the motor and this will not be covered under warranty.

Disconnect air inflator

Ensure that the air inflator is disconnected from the mains supply when not in use, before servicing, making adjustments or when changing any accessories.

Remove adjusting keys and wrenches

Form the habit of always checking to see that any adjusting keys or wrenches have been removed from the air inflator or attached air tools before operating.

Avoid unintentional starting

Ensure that the on/off button is in the 'OFF' position before plugging the air inflator into the mains supply.

Protect furnishings

If using the air inflator inside your house, protect furnishings and floors with a suitable dust sheet.

Fire precautions

When using the air inflator inside your house or workshop general fire precautions should be observed. As a precaution it is recommended that an expert is consulted on obtaining and using a suitable fire extinguisher.

Cleaning your air inflator

Always disconnect your air inflator from the mains power supply before you commence cleaning. Always ensure that your air inflator has cooled, about one (1) hour, before cleaning and storing. When cleaning your air inflator use only a damp soft cloth. **NEVER** use liquid or solvents of any type.

PERSONAL SAFETY

Clothing

Do not wear loose clothing, jewellery or anything that could get caught in moving machinery.

Hair

Long hair should be tied back or contained in a protective covering.

Eye Protection

The use of safety goggles is highly recommended (normal glasses are not sufficient for eye protection) when using an air inflator. Prescription glasses do not have safety lenses.

Footwear

Where there is the risk of heavy objects or if there is a risk of slipping on wet or slippery floors, suitable non-slip safety footwear should be worn. Protect your feet from dropping accidents.

Ear Protection

The use of ear protection is highly recommended when using air inflators. The continual noise may damage your ears.

Respiratory Protection

When operating any machinery that creates dust, or when spray painting, an approved dust / filter mask must be worn. When machining concrete, man made fibres, especially MDF (Medium Density Fibre board), the resin used in these materials can be hazardous to your health. Use an approved face mask with replaceable filter.

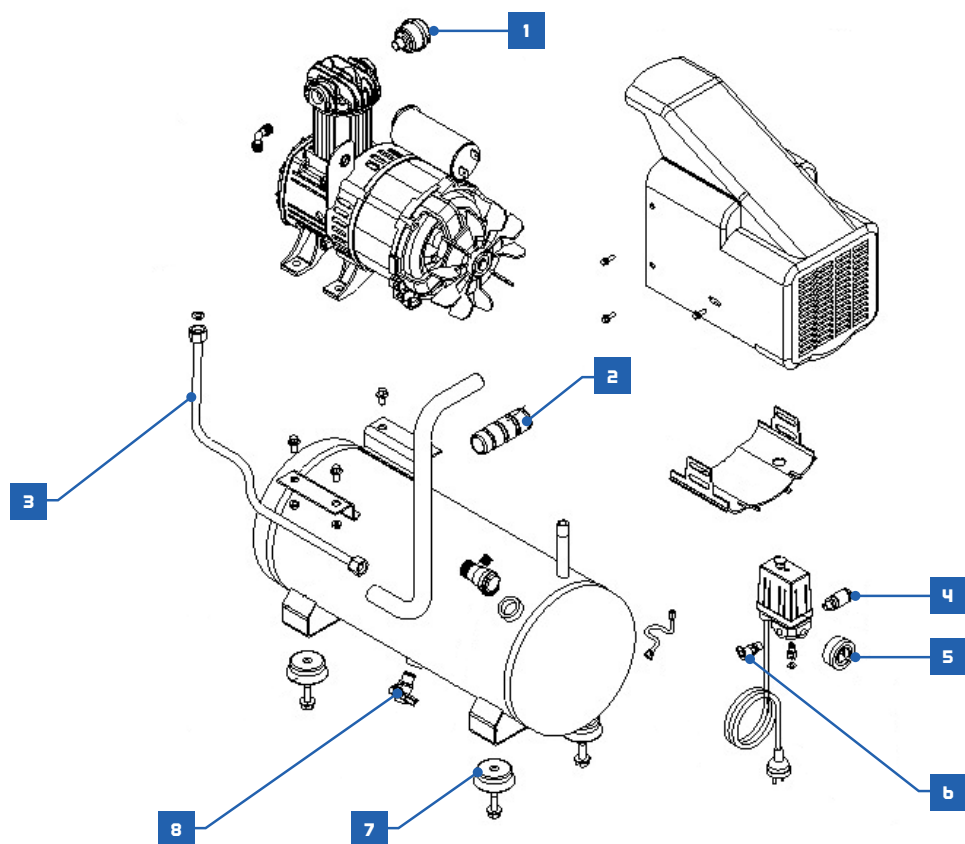
Do Not Over Reach

Do not over reach. Keep a proper footing and maintain your balance at all times. Avoid using abnormal stances and awkward body positions.

Stay Alert

Watch what you are doing, use common sense and never operate an air inflator when you are under the influence, tired, drinking alcohol, taking drugs or if taking medication that causes drowsiness.

PARTS DIAGRAM



No.	Description	Qty	Part No.
1	Air Filter	1	95 BRAF
2	Rubber Handle Grip	1	95 BRTHG
3	Exhaust Tube	1	95 BRETS
4	Outlet Fitting	1	95 BROFN
5	Pressure Gauge - Tank	1	95 BRPG
6	Safety Valve	1	95 BRSPV
7	Cushion Foot	1	95 BRCF
8	Drain Tap	1	95 BRDT

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