



Air Devil BP160 Series Air Compressor

INTRODUCTION and SAFETY

Thank you for purchasing a Blueprint Heavy Duty 4x4 Compressor.

We are confident that you will be happy with the compressor and its performance. To ensure it's safe use and long life please make sure you read and follow the instructions and guidelines in this manual.

CAUTION:

The compressor hose and fitting connections will get VERY HOT during operation and will require some time to cool down after use. Wearing of gloves is recommended for disconnecting the air hose after use. Compressed air is dangerous and children should not use the compressor unless supervised by an adult.

Your air compressor is fitted with a thermal cut-out to protect the motor in the event it over heats. If the motor cuts out allow the compressor at least 10 minutes to cool down before using it again. Ensure the air filter is cleaned regularly.

Ensure that you only connect the compressor to the correct battery voltage. Unless otherwise specified the BP160 compressors are designed for use with a 12 Volt Power Supply. BP160A and BP160A-RH10 are designed for 12 Volt, BP160A-24V is designed for 24 Volt.

DO NOT connect the compressor through a cigarette lighter socket.

You will need to leave your engine running whilst operating the compressor, do not run engine in unventilated area.

The design of the compressor protects it against moisture and dust; this does not however make it waterproof, so always keep the compressor dry when operating.

OPERATING INSTRUCTIONS

The compressor air hose is fitted with an inline gauge to provide convenient monitoring of the tyre pressure while inflating. While the compressor is running the gauge provides an approximate pressure only and tyre pressure should be checked with the compressor not running.

1. Connect the compressor battery clips to the vehicles battery; make sure the red is connected to the positive and the black to negative.
2. Connect the quick release air hose to the compressor, and screw / connect the air hose to the tyre to be inflated. (Note always pull the hose in-line with the connection to avoid kinking and damaging the hose at the compressor).
3. Turn the compressor on and inflate the tyre to the desired pressure.
4. Once the gauge indicates the required pressure turn off the compressor, remove the hose from the tyre and recheck the pressure with a separate gauge if required.
5. Move to the next tyre and repeat.
6. Remember to use gloves or allow the unit time to cool down before removing the hose.

WHAT'S IN THE BOX

You have purchased a Blueprint Heavy Duty Compressor, with stainless steel sleeves, heavy duty motor with ball bearings. Your compressor comes with the following accessories. Storage Case / Bag, 10 Metre Hose with in-built gauge and quick release connector, air filter.

The BP160A air filter is under the silver top.

4WD TYRE DEFLATION TIPS

Reducing your 4 x 4 tyre pressures when driving in off road conditions.

Why:- To reduce the impact on dunes and sand tracks. It can also reduce the strain on your vehicles engine and drive train when used correctly. It provides better traction or a softer ride on hard dirt and rocky tracks.

How Low Do You Go? Many 4 x 4 clubs and magazines recommend a pressure of between 15 and 18 PSI for sand driving. If you are bogged or in extremely soft sand you may want to go lower than that, however it is recommended that once you are out of trouble that you re-inflate your tyres to a pressure that you are comfortable with.

At the end of the day how low you go is up to you and you should make sure you consider the type of tyre, environmental conditions, the weight / load of your vehicle.

THINK SAFETY

Remember: When driving on lowered pressures you should avoid sharp turns and high speed as you could damage the tyres or even "ROLL" them off the rim causing an accident. Always keep tyre pressures common between your tyres.

ALWAYS Re-inflate your tyres to the manufacturers recommended pressures before travelling at high speeds or on the highway

BP 160A AIR DEVIL SPECIFICATIONS

- Available in 12 and 24 Volt Models.
- 160 LPM maximum output (Free to Air).
- Approx 70LPM under load.
- 150 PSI Maximum Pressure.
- 120 PSI Recommended Max Working Pressure.
- 12V Operating Voltage, Max Voltage 13.8 Volts.
- 24V Operating Voltage, Max Voltage 27.0 Volts.
- 50A Circuit Breaker for over current protection.
- Approx 40Amp Operating Current under full load.
- 60mm Cylinder & Piston.
- Switched Relay Control.
- Heavy Duty 2.2 Metre power cord with battery clamps.
- Powered by 360 Watt, 12 Volt (or 24 Volt) oil-less 3400RPM direct drive motor with a 50 Amp inline circuit breaker for added protection.
- Auto built-in thermal cut-off switch protects the motor against damage from overheating.
- Built-in cleanable air filter keeps unit free of dirt and other contaminants.
- Includes a 10 Metre quick connect high temperature hose with integrated easy-to-read gauge.
- Sand Plate with removable anti-vibration rubber feet suitable for mounting.
- Can be permanently mounted and hard wired if desired.
- Includes 3 nozzles for inflating mattresses/balls etc.
- Includes carry bag.



The BP160A Airdevil Heavy Duty 4 x 4 Air Compressor is perfect for anybody who is serious about getting air back into their tyres quickly. With fast inflation times and excellent durability the Air Devil is set to make a big impression on the Australian market.

Whether you have a 4 x 4 with standard or wide tyres this air compressor will satisfy your need for super quick inflation.

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