



Automotive

## **Analogue air compressor** **RAC610**

### **Caution**

Before operating this compressor, please read these instructions and retain for future reference.

### **Read Carefully**

Improper use of the compressor can cause damage to property and possibly harm the user. When using the compressor ensure the vehicle is parked in a safe location, off the road with the vehicle handbrake on and where your personal safety is not at risk.

### **Power Supply**

- Power required 12 volts DC rated at 10 amps.

### **Fuse Replacement**

- The fuse is located in the 12v DC plug. Unscrew the end of the DC plug & extract the 10amp fuse taking care to note the order of components. Check the fuse and replace if necessary with an equivalent 10amp fuse.

### **Cleaning**

- Only clean the compressor using a clean dry cloth.
- Do not use cleaning products.
- Ensure the compressor is clear of any dust or other debris before connection.

### **Caution**

- Inspect before each use.
- Do not use the compressor when the vehicle is moving.
- Do not leave connected to 12v DC socket unattended.
- Do not put the compressor on or near sources of direct heat or expose to direct sunlight
- Do not operate the compressor in or around flammable environments.
- Do not kink or block the air hose while the compressor is working.
- Do not use the compressor if bent, broken, melted, burnt, wet or any of the components are damaged.
- Do not use the air compressor on high pressure tyres such as those used on commercial vehicles, agricultural or specialist vehicles.
- Only use the adapters supplied with the device.
- The compressor is not waterproof.
- Ensure cables and hoses connected to the compressor do not interfere in the safe operation of the vehicle.
- When not in use store in a cool, dry dust free environment.
- This compressor is not designed for continuous use. Operation over an extended period of time will overheat the unit and damage the compressor. It should not be used continuously for more than 30 minutes. After 30 minutes, turn it off and let it cool for 15 minutes before resuming operation.
- If the compressor is making an abnormal sound, or the temperature of the unit is too high, turn the power off immediately and let it cool for at least 30 minutes before resuming operation.
- The compressor contains no user serviceable parts – Do not open.

### **Tyre Checks**

- Check tyres on a monthly basis.
- Incorrect inflation shortens the life and performance of your tyres, increasing fuel consumption and jeopardising safety.

### Control lay out

- 1) ON/OFF power button
- 2) Air hose stored in side compartment
- 3) Coiled power cable on rear
- 4) Fused 12v DC plug
- 5) Valve connector
- 6) 3x Valve adapters clipped on rear



## Compressor Operation –

### Vehicle tyre inflation



Fig 1



Fig 2

- Uncoil all of the power cable on the rear of the compressor, ensuring all the cable is unwound. Insert the 12v DC plug into the 12v socket. (Fig 1)
- Remove the dust cap from the tyre valve and store in a safe place.
- Carefully pull out the air hose from the side of the compressor. Screw the valve connector clockwise onto the tyre valve. Ensure the valve is correctly connected but do not over tighten. (Fig 2)

**Caution: Only inflate products to the manufacturer's specifications. Vehicle tyre pressures can generally be found in the handbook, on the door pillar or on the inside of the fuel filler cap.**

- Push the ON/OFF for the compressor to start. When the pressure gauge reaches the required value push the ON/OFF to turn OFF the compressor.
- Replace the tyre valve dust cap.
- Note:- The gauge on this compressor is for guidance only. Check pressure with a known accurate gauge.
- The compressor may be used without the engine running but this will drain the power from the vehicle battery if used for long periods.

### Inflatable & Leisure Inflation

- Select the suitable adapter and screw into the valve connector.
- Adapters are clipped onto the rear of the compressor under the coiled power cable.
- Insert the connector adapter into the appropriate inlet of the inflatable
- Plug the 12v DC plug into the vehicle 12v socket. (Fig 1)
- Push the ON/OFF button to switch the compressor on.

## Caution:

**Only inflate product to the manufacturer's specifications. Do not over inflate**

- Push the ON/ OFF button to switch the compressor off.
- Remove adapter from the inflatable and remove adapter from the connector.
- Replace the adaptor on the storage clip.

### Typical Inflation Pressure (guide only)

- Mountain bike tyres 35-50psi      Road bike 90-100psi
- Football 13psi      Basketball 9psi
- Volleyball 5psi      Lawn tractor tyre 22psi

### Conversion Chart (guide only)

| psi | KPa   | BAR | psi | KPa   | BAR |
|-----|-------|-----|-----|-------|-----|
| 10  | 68.9  | 0.7 | 70  | 482.6 | 4.8 |
| 20  | 137.9 | 1.4 | 80  | 551.6 | 5.5 |
| 30  | 206.8 | 2.1 | 90  | 620.5 | 6.2 |
| 40  | 275.8 | 2.8 | 100 | 689.5 | 6.9 |
| 50  | 344.7 | 3.5 | 125 | 861.9 | 8.6 |

### Specification Table

|                            |                |
|----------------------------|----------------|
| Power supply               | 12v DC         |
| Max Amperage               | 10 amps        |
| Pressure measurement range | 0 – 100 psi    |
| Power cable length         | 3m             |
| Air hose length            | 480mm          |
| Operation temperature      | -20°C to +60°C |

**CE approved**



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Ring Automotive Ref:- L315