

Thank you for purchasing a Sealey product. Manufactured to a high standard this product will, if used according to these instructions and properly maintained, give you years of trouble free performance.

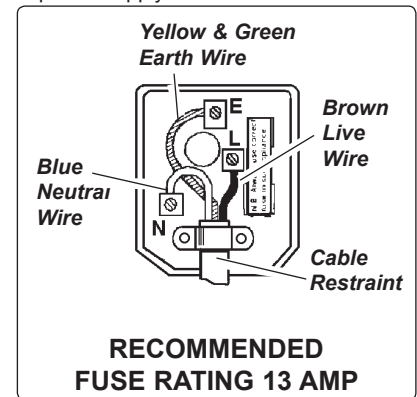


IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. PLEASE KEEP INSTRUCTIONS SAFE FOR FUTURE USE.

1. SAFETY INSTRUCTIONS

1.1. ELECTRICAL SAFETY

- **WARNING!** It is the responsibility of the owner and the operator to read, understand and comply with the following:
 - You must check all electrical products, before use, to ensure that they are safe. You must inspect power cables, plugs, sockets and any other connectors for wear or damage. You must ensure that the risk of electric shock is minimised by the installation of appropriate safety devices. A Residual Current Circuit Breaker (RCCB) should be incorporated in the main distribution board. We also recommend that a Residual Current Device (RCD) is used. It is particularly important to use an RCD with portable products that are plugged into a supply which is not protected by an RCCB. If in any doubt consult a qualified electrician. You may obtain a Residual Current Device by contacting your Sealey dealer.
 - You must also read and understand the following instructions concerning electrical safety.
- 1.1.1. The Electricity at Work Act 1989 requires that all portable electrical appliances, if used on business premises, are tested by a qualified electrician, using a Portable Appliance Tester (PAT), at least once a year.
- 1.1.2. The Health & Safety at Work Act 1974 makes owners of electrical appliances responsible for the safe condition of those appliances and the safety of the appliance operators. If in any doubt about electrical safety, contact a qualified electrician.
- 1.1.3. Ensure that the insulation on all cables and on the appliance is safe before connecting it to the power supply. See 1.1.1. and 1.1.2. and use a Portable Appliance Tester.
- 1.1.4. Ensure that cables are always protected against short circuit and overload.
- 1.1.5. Regularly inspect power supply cables and plugs for wear or damage and check all connections to ensure that none are loose.
- 1.1.6. Important: Ensure that the voltage marked on the appliance matches the power supply to be used and that the plug is fitted with the correct fuse - see fuse rating at right.
- 1.1.7. **DO NOT** pull or carry the appliance by the power cable.
- 1.1.8. **DO NOT** pull the plug from the socket by the cable.
- 1.1.9. **DO NOT** use worn or damaged cables, plugs or connectors. Immediately have any faulty item repaired or replaced by a qualified electrician. When a BS 1363/A UK 3 pin plug is damaged, cut the cable just above the plug and dispose of the plug safely. Fit a new plug according to the following instructions (UK only).
 - a) Connect the GREEN/YELLOW earth wire to the earth terminal 'E'.
 - b) Connect the BROWN live wire to the live terminal 'L'.
 - c) Connect the BLUE neutral wire to the neutral terminal 'N'.
 - d) After wiring, check that there are no bare wires, that all wires have been correctly connected, that the cable outer insulation extends beyond the cable restraint and that the restraint is tight.
- 1.1.10. Products which require more than 13 amps are supplied without a plug. In this case you must contact a qualified electrician to ensure that a suitably rated supply is available. We recommend that you discuss the installation of an industrial round pin plug and socket with your electrician.
- 1.1.11. If an extension reel is used it should be fully unwound before connection. A reel with an RCD fitted is preferred since any appliance plugged into it will be protected. The cable core section is important and should be at least 1.5mm², but to be absolutely sure that the capacity of the reel is suitable for this product and for others which may be used in the other output sockets, we recommend the use of 2.5mm² section cable.



1.2. GENERAL SAFETY INSTRUCTIONS

- ✓ Familiarise yourself with the application and limitations of the compressor.
- ✓ Ensure the compressor is in good order and condition before use. If in any doubt do not use the unit and contact an electrician/service agent.
- **WARNING! Compressor must only be serviced by an authorised agent. DO NOT tamper with, or attempt to adjust, pressure switch or safety valve.**
- ✓ Before moving, or maintaining the compressor ensure it is unplugged from the mains supply and that the air tank pressure has been vented.
- ✓ Only use recommended attachments and parts. To use unapproved items may be dangerous and will invalidate your warranty.
- ✓ Read the instructions regarding any accessory used with the compressor. Ensure the safe working pressure of any air appliance used exceeds unit's output pressure. If using spray gun, check that the area selected for spraying is provided with air change system/ventilation.
- ✓ Ensure the air supply valve is turned off before disconnecting the air supply hose.
- ✓ To move the compressor use the handle only.
- x **DO NOT** attempt to lift or move the compressor by any means other than by the handle.
- ✓ Use the compressor in a well ventilated area with a temperature above 5°C, and ensure it is placed on a firm, level surface.
- ✓ Keep tools and other items away from the compressor when it is in use, and keep area clean and clear of unnecessary items.
- ✓ Ensure any air hose attached is not tangled, twisted or pinched.
- ✓ Keep children and unauthorised persons away from the working area.
- x **DO NOT** dis-assemble compressor for any reason. The unit must be checked by qualified personnel only.
- x **DO NOT** use the compressor outdoors, or in damp, or wet, locations and **DO NOT** operate within the vicinity of flammable liquids, gases or solids.
- x **DO NOT** touch compressor cylinder, cylinder head or pipe from head to tank as these may be hot and will remain so for some time after shutdown.

- X **DO NOT** attempt to move the compressor by pulling the air tool hose. Only move the compressor by the handle.
- X **DO NOT** use this product to perform a task for which it is not designed.
- X **DO NOT** deface the certification plate attached to the compressor tank.
- X **DO NOT** cover the compressor or restrict air flow around the machine whilst operating.
- X **DO NOT** operate the compressor without an air filter.
- X **DO NOT** allow anyone to operate the compressor unless they have received full instructions.
- ▲ **DANGER! DO NOT direct the output jet of air towards people or animals.**
- **WARNING! The air tank is a pressure vessel and the following safety measures apply:**
- X **DO NOT tamper with the safety valve and DO NOT modify or alter the tank in any way and DO NOT strap anything to the tank.**
- X **DO NOT subject the tank to impact, vibration or to heat and DO NOT allow contact with abrasives or corrosives.**
- ✓ **DO drain condensation from tank daily and inspect inside walls for corrosion every three months and have a detailed tank inspection carried out annually.**
- ✓ **The tank shell must not fall below the certified thickness at any point.**
- **WARNING!** If an electrical fuse blows, ensure it is replaced with an identical fuse type and rating.
- ✓ When not in use for a long period, store the compressor carefully in a safe, dry, childproof location.
- ✓ **When the compressor is not in use, it should be switched off, disconnected from the mains supply and the air drained from the tank.**
- IMPORTANT WARNING** - Air contaminants taken into the compressor will affect optimum performance. Example: Body filler dust or paint overspray will clog the pump intake filter and may cause internal damage to pump/motor components. Please note that any parts damaged by any type of contamination will not be covered by warranty.

2. SPECIFICATIONS

Motor Output: 2.0hp	Max. Free Air Delivery: 5.1cfm
Voltage/Phase: 230V - 1ph	Tank Capacity: 50ltr
Input Current: 10A	Max. Pressure: 10bar
Max. Air Displacement: 7.3cfm	Noise Pressure: 72.1dBA

3. PREPARATION

- 3.1. Remove compressor from packaging and inspect for any shortages or damage. If anything is found to be missing or damaged contact your supplier.
- 3.2. Save the packing material for future transportation of the compressor. We recommend that the packing is stored in a safe location, at least for the period of the guarantee. Then, if necessary, it will be easier to send the compressor to the service centre.
- 3.3. Confirm that the mains voltage corresponds with the voltage shown on the compressor data plate.
- 3.4. Fit the main wheels and the rubber foot to the main frame using the nuts, bolts and washers supplied (fig.1).
- 3.5. The compressor should be installed on a flat, firm surface, or one that does not exceed 15° either transversely or longitudinally, and should be in a position that allows good air circulation around the unit.

4. OPERATION

- **WARNING!** Ensure that you have read, understood and apply Section 1 safety instructions.
- 4.1. **IMPORTANT.** The use of extension leads to connect this compressor to the mains is not recommended as the resulting voltage drop reduces motor, and therefore pump, performance.
- 4.2. Take care when selecting tools for use with the compressor. Air tool manufacturers normally express the volume of air required to operate a tool in cubic feet per minute (cfm). This refers to free air delivered by the compressor ('air out') which varies according to the pressure setting. Do not confuse this with the compressor displacement which is the air taken in by the compressor ('air in'). 'Air out' is always less than 'air in' - due to losses within the compressor .

4.3. STARTING THE COMPRESSOR.

- 4.3.1. The compressor is fitted with a push ON/OFF switch (fig.2). To turn the compressor 'ON' push the switch. To turn the compressor 'OFF' push the switch again.
- 4.3.2. Check that the ON/OFF switch is in the "OFF" position and the regulator tap (fig.2) is closed (Zero '0' bar, Anti-clockwise).
- 4.3.3. Plug mains lead into mains supply and start the compressor by pushing the ON/OFF switch.
- 4.3.4. Leave the compressor running with the regulator tap (fig.2) set to maximum pressure. Make sure that the pressure in the tank rises and that the compressor stops automatically when the maximum pressure value allowed - written on the specification plate is achieved. The compressor will now operate automatically. The pressure switch stops the motor when the maximum tank pressure is reached, and will restart it when pressure falls below the minimum threshold - approx. 2 bar (29psi) less than the maximum pressure.
- 4.3.5. Stop the compressor by pushing the ON/OFF switch (fig.2). The compressed air inside the compressor head will flow out, making the restart easier and preventing the motor from being damaged. **DO NOT**, other than in an emergency, stop the compressor by switching off the mains socket, or by pulling the plug out of the socket, as the pressure relief will not then occur and motor damage may result upon restart.
- 4.3.6. The output pressure is regulated by the pressure regulator tap (fig.2). Turn the tap clockwise to increase pressure and anti-clockwise to reduce it, view the result on the output regulator gauge (fig.2)

NOTE: a) If the motor does not cut in and out, but runs continuously when using an air appliance, the capacity of the compressor may be too small for the equipment or tool.

b) Should the pressure in the main tank exceed the pre-set switch maximum, the safety valve (located under the motor cowling adjacent to the regulator gauge) will activate.

- **WARNING! For this reason DO NOT tamper with, or adjust, the pre-set switch or safety valve.**

Original Language Version

fig.1

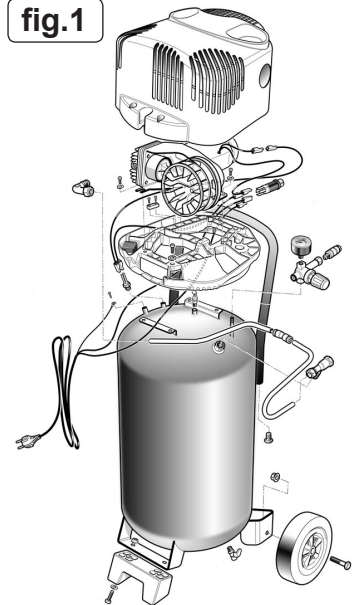
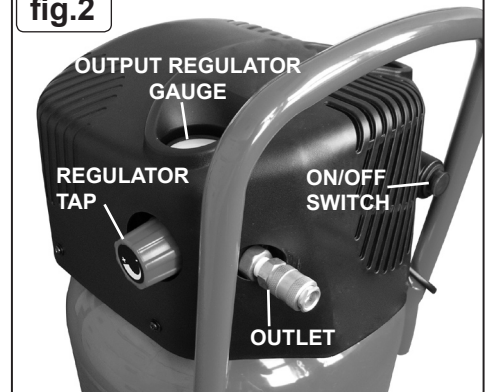


fig.2



5. MAINTENANCE

In order to keep the compressor in good working condition, periodic maintenance is essential.

- ❑ **WARNING! Before performing any maintenance operation, switch off the compressor, disconnect from electrical supply and release all air from the tank.**

IMPORTANT! Failure to carry out maintenance tasks may invalidate the warranty on your compressor.

5.1. Operations to be carried out after the first 5 working hours:

- a) Check that all nuts/bolts are tight, particularly those retaining the crankcase and cylinder heads.

5.2. Operations to be carried out daily:

- a) Drain condensation by opening the valve located under the tank (fig.4). Place a container under the valve to collect any condensation. Tip the compressor slightly towards the drain valve to ensure all condensation drains. Close valve after draining condensation and dispose of it safely.
- b) Regularly clean dirt and dust away from the safety devices with a clean cloth or blowing with low pressure compressed air. Generally keep the compressor clean.

5.3. Operations to be carried out every 100 hours:

(Or more frequently, if the compressor operates in a very dusty atmosphere)

Clean Air Filter

- a) Ensure the power is off and the tank has been vented. Remove the cowling from the motor by removing the four retaining screws

NOTE! When removing the cowling, care should be taken not to inadvertently disconnect the wires from the switch.

- b) Remove the filter element by pulling the filter cover from the housing (fig.3).

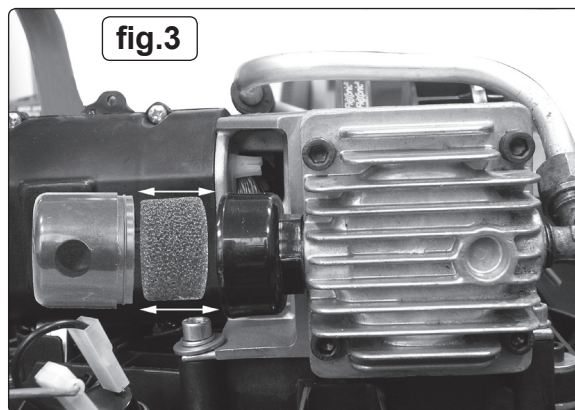
Clean and replace the filter element. Snap the cover back into place.

5.4. Operations to be carried out every 200 hours:

- a) Check the automatic cut-out at maximum pressure, and the automatic cut-in at 2 bar below maximum pressure.
- b) Replace air filter.

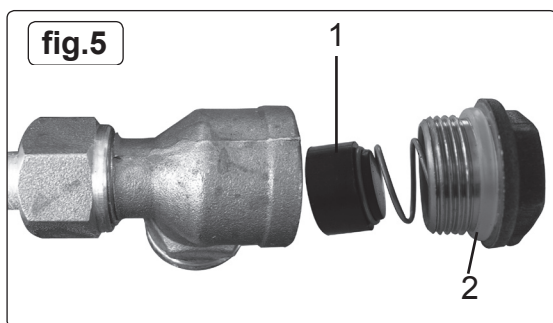
5.5. Operations to be carried out every 400 hours:

- a) Check all fittings and electrical connections.
- b) Inspect pressure tank inside and out for damage or corrosion.



5.6. Scheduled maintenance table

Maintenance Operations	Daily	100 hrs.	200 hrs.	400 hrs.
Drain condensation	•			
Clean intake filter		•		
General cleaning of compressor	•			
Internal & external inspection of tank				•
Replace air filter			•	
Check tube fittings and electrical connections				•



6. TROUBLESHOOTING

Fault	Cause	Remedy
Pressure drop in the tank.	Air leaks at connections.	Run compressor to max. pressure, switch off unit. Brush soap solution over connections and look for bubbles. Tighten connections showing leaks. If problem persists contact Authorised Service Agent.
Pressure switch valve leaks when compressor is idle.	Non-return valve seal defective.	Empty the air tank, remove the non-return valve cap (fig.5.2) and clean, or if necessary, replace the seal (fig.5.1). Located under motor cowling.
Compressor stops and does not restart.	Motor failure.	Contact Authorised Service Agent.
Compressor does not stop at max. pressure.	Pressure switch fault.	Contact Authorised Service Agent.
	Head gasket or valve fault.	Contact Authorised Service Agent.
Compressor noisy with metallic knock.	Bearing or piston damage.	Contact Authorised Service Agent.



NOTE: It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.

IMPORTANT: No liability is accepted for incorrect use of this product.

WARRANTY: Guarantee is 12 months from purchase date, proof of which will be required for any claim.

INFORMATION: For a copy of our latest catalogue and promotions call us on 01284 757525 and leave your full name and address, including postcode.



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