

MODEL No's

SA9506

SA9525

SA9550

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, AND CAUTIONS. USE THIS PRODUCT CORRECTLY, AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY.

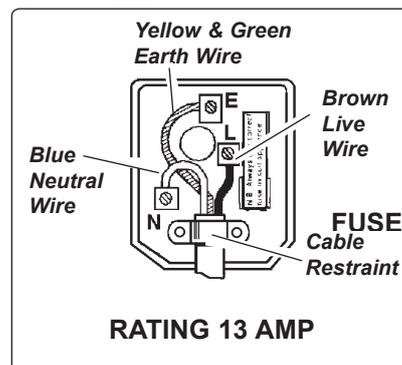
1. SAFETY INSTRUCTIONS

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 all portable electrical appliances, if used on business premises, to be 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 is 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 an ASTA/BS approved 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.**

Double insulated products, which are always marked with this symbol , are fitted with live (brown) and neutral (blue) wires only.

To rewire, connect the wires as indicated above - **DO NOT** connect either wire to the earth terminal.

- 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 30 amp 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 section of the cores in the cable 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 that the compressor is in good order and condition before use. If in any doubt do not use. Contact an electrician/service agent.

- WARNING! the compressor must be serviced by an authorised agent only. DO NOT tamper with, or attempt to adjust, the pressure switch or the safety valve.**
- ✓ Before moving, or maintaining the compressor ensure that it is unplugged from the mains supply and that the air tank pressure has been vented.
- ✓ Only use recommended parts and accessories. To use unauthorised items may be dangerous and will invalidate your warranty.
- ✓ Read the instructions regarding any accessory used with the compressor. Ensure that the safe working pressure of any air appliance used exceeds the output pressure of the compressor.
- ✓ Ensure that the air supply valve is turned off before disconnecting the air supply hose.
- To move the compressor, use the handle only.
(SA9525 and SA9550 only) Lift the compressor so that the front legs give enough clearance for manoeuvring but maintain unit's centre of gravity in front of the wheels.
- 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 and ensure that it is placed on a firm, level surface.
- ✓ Keep tools and other items away from the compressor when it is in use and keep the area clean and free of unrelated items.
- ✓ Ensure that the air hose is not tangled, twisted or pinched.
- ✓ Keep children and unauthorised persons away from the work 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 it 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 supply 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 end of the compressor tank.
- X **DO NOT** cover the compressor or restrict air flow around the machine whilst operating.
- ▲ **DANGER! DO NOT direct the output jet of air towards people or animals.**
- 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.
- **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 abrasive or corrosive materials.
- ✓ **DO** drain condensation from tank daily and inspect inside walls for corrosion every three months. 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 that it is replaced with one of identical type and rating.**
- ✓ When not in use, disconnect from the mains, vent the tank and store the compressor in a safe, dry, childproof location.

2. INTRODUCTION & SPECIFICATIONS

Ideal for use where an oil-free air delivery is required and especially suited to small, low pressure, touch-up and airbrush spraying applications as well as general-purpose use. Simple construction with fewer components makes this unit practically maintenance-free. Reduced weight gives greater portability and compressor can be transported and even operated on its side. Supplied with a precision welded receiver tank, manufactured to meet Pressure Vessel Directive 87/404/EEC, fully automatic pressure cut-out switch and air regulator with tank and outlet pressure gauges. Fitted with ASTA/BS approved non-rewirable plug.

SPECIFICATIONS

Model	SA9506	SA9525	SA9550
Motor Output:	1.0hp	1.5hp	2.0hp
Voltage/Phase:	230V-1ph	230V-1ph	230V-1ph
Input Current:	3A	6A	6A
Noise Level:	80dB.A	80dB.A	80dB.A
Piston Displacement:	3.6cfm	6.7cfm	6.7cfm
Maximum Free Air Delivery:	3.2cfm	6.0cfm	6.0cfm
Tank Capacity:	6ltr	25ltr	50ltr
Maximum Pressure:	116psi/8bar	116psi/8bar	116psi/8bar
Weight:	16kg	24kg	36kg

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3. PREPARATION

- 3.1. Remove compressor from packaging and inspect for contents 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 you store the packing 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. The compressor should be installed on a flat surface and should be in a position that allows good air circulation around the unit.

4. OPERATION

❑ IMPORTANT

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 - and so it is important that, before choosing equipment, you note the 'Maximum Free Air Delivery' figures shown in the Specification Chart, Section 2.

❑ **WARNING!** Ensure that you have read, understand and apply Section 1 Safety Instructions.

- 4.1. Make sure that the main switch (fig.1.1) is 'Off' (down).
- 4.2. Plug the mains cable into mains supply and start the compressor by pulling up the main switch.
- 4.3. When starting the compressor for the first time, leave it running with air outlet lever (fig.1.3) closed and the pressure regulator (fig.1.2) set to maximum pressure. Make sure that the pressure in the tank rises and that the compressor stops automatically when the max. pressure allowed - stated on the tank plate - is achieved. Tank pressure is shown on the larger gauge (fig.1.6). The compressor will now operate automatically. The pressure switch stops the motor when the maximum tank pressure is reached and restarts it when pressure falls below the minimum threshold - approx. 2 bar (29psi) less than the maximum pressure.
- 4.4. Stop the compressor by pressing down the main switch (fig.1.1). 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, as the pressure relief will not then occur and motor damage may result upon restart. When the compressor is stopped correctly there will be a whistling sound as compressed air is vented from the compressor head.
- 4.5. The output pressure is controlled by the pressure regulator (fig.1.2) and shown on the smaller gauge (fig.1.5). Unscrew locking ring (fig.1.2A) and then turn regulator (fig.1.2) clockwise to increase pressure or anticlockwise to reduce it - tighten locking ring to lock in the required position. Always adjust **up** to the required pressure. To determine the correct working pressure for air tools etc. check the corresponding manual.

When the compressor is not being used set the regulated pressure to zero so as to avoid damaging the pressure regulator.

- 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 appliance.
 - b) The main gauge (fig.1.6) indicates the pressure inside the main tank, **NOT** the pressure supplied to the air equipment, which is shown on the smaller gauge (fig.1.5). Should the pressure in the main tank exceed the pre-set switch (fig.1.8) maximum, a safety valve (fig.1.7) will activate. **WARNING! For this reason DO NOT tamper with, or adjust, the switch or the safety valve.**
- 4.6. Ensure air outlet lever (fig.1.3) is closed (at right angles to output connection). Connect an air line and open lever by turning 90°.

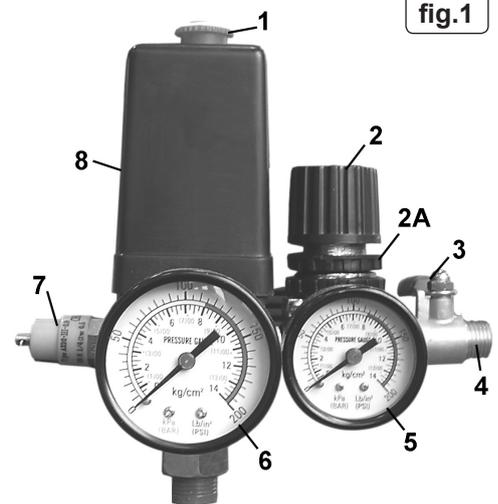


fig.1

5. MAINTENANCE

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

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

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

- 5.1. Operations to be carried out daily:
 - Drain condensation by opening the valve located under the tank. Place a container under the valve and open the valve by turning anticlockwise (fig.2).
- 5.2. Operations to be carried out after the first 50 working hours:
 - Check that all bolts/nuts are tight, particularly those retaining the crank case and cylinder head (fig.3).
- 5.3. Operations to be carried out every 100 hours (or more frequently, if the compressor operates in a very dusty atmosphere):
 - Remove the air filter element and clean by blowing through with an air line at low pressure, from the clean side or wash in soapy water, rinse and dry. Do not operate the compressor without the filter as foreign bodies or dust could seriously damage the pump.
- 5.4. Operations to be carried out every 200 hours:
 - Check the automatic cut-out at maximum pressure and the automatic cut-in at 2 bar below this
 - Generally clean the exterior of the compressor.
- 5.5. Operations to be carried out every 500 hours:
 - a) Replace air filter.
 - b) Check all tube fittings and electrical connections.
 - c) Carry out an internal and external inspection of the pressure tank, checking for damage and/or corrosion.

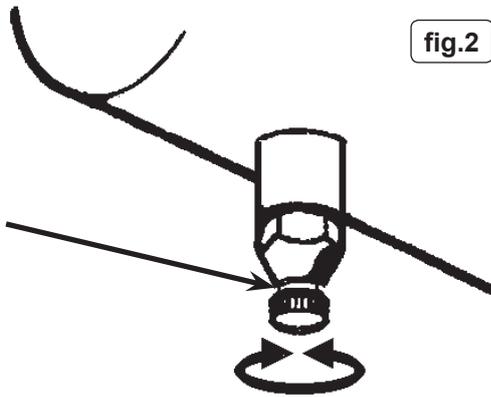


fig.2

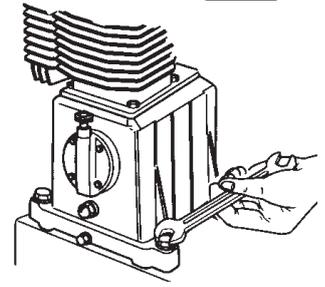
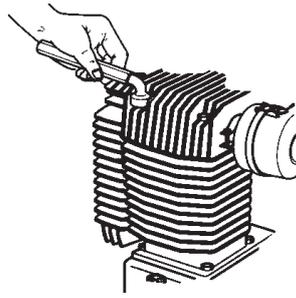


fig.3

5.6. Scheduled maintenance table

Maintenance Operations	Daily	100 hrs.	200 hrs.	500 hrs.
Drain condensation	•			
Clean air intake filter		•		
Check cut-out			•	
General cleaning of compressor			•	
Internal & external inspection of tank				•
Replace air intake 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. 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	Replace valve,
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.
Compressor does not stop at max. pressure	Filter clogged Head gasket or valve fault	Replace filter element. 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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