INSTRUCTIONS FOR:

COMPRESSORS 50LTR, 100LTR V-TWIN BELT DRIVE 3hp OIL FREE

PART NO'S: **SAC05030F, SAC10030F**

Thank you for purchasing a Sealey product. Manufactured to a high standard, this product will, if used according to these instructions and maintained properly, 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 AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.**

Refer to Instruction Manual

Wear Ear Protection

1. SAFETY

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. Inspect power supply cables and plugs regularly for wear or damage and check all connections to ensure that none are loose.

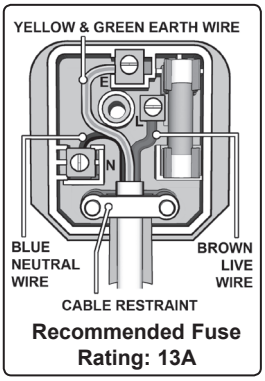
1.1.6. **Important:** Ensure that the voltage marked on the appliance matches the power supply to be used and that the plug is fitted with the correct fuse - see fuse rating at right.

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. Have any faulty item repaired or replaced immediately 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.**



Recommended Fuse Rating: 13A

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. 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. If extension reel is to be used outdoors, ensure it is marked for outdoor use.

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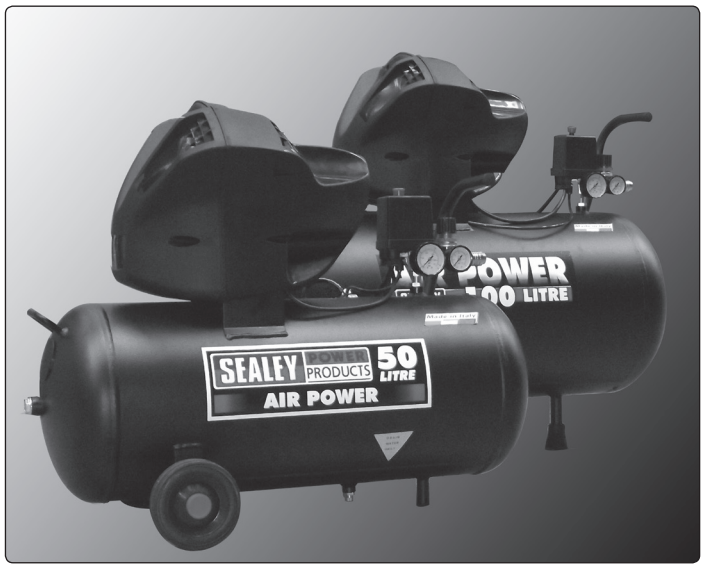
1.2. GENERAL SAFETY INSTRUCTIONS

❒ **WARNING! Compressors must only be serviced by an authorised agent.**
✓ 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.
✓ Before moving, or maintaining the compressor ensure it is unplugged from the electrical supply and that the air tool is disconnected.
✓ Use the compressor in a well ventilated area and ensure it is placed on a firm surface.
✓ Keep tools and other items away from the compressor when it is in use, and keep area clean and clear of unnecessary items.
✓ Keep children and unauthorised persons away from the working area.
▲ **DANGER! DO NOT direct the output jet of air towards people or animals.**
❒ **WARNING! If an electrical fuse blows, ensure it is replaced with an identical fuse type and rating.**
✗ **DO NOT** dismantle compressor for any reason. This unit must only be checked and serviced by an approved service agent.
✗ **DO NOT** use the compressor outdoors or in damp or wet locations.
✗ **DO NOT** operate within the vicinity of flammable liquids, gases or solids.
✗ **DO NOT** operate in a dusty environment.
✗ **DO NOT** touch compressor cylinder head as it may be hot and will remain so for some time after shutdown.
✗ **DO NOT** use this compressor to perform a task for which it has not been designed.
✗ **DO NOT** leave the compressor running unattended.
✗ **DO NOT** operate the compressor whilst under the influence of drugs, alcohol or other intoxicating medication.
✗ **DO NOT** cover the compressor or restrict air flow around the machine whilst operating.
✗ **DO NOT** allow anyone to operate the compressor unless they have received full instructions.
✓ When not in use, store the compressor carefully in a safe, dry, dust free, childproof location.
✓ When the compressor is not in use, it should be switched off, disconnected from the electrical supply and the air drained from the tank.



2. INTRODUCTION

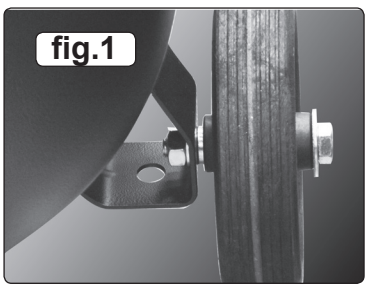
Oil free V-Twin pump, ideal for applications where an oil free air supply is required. Belt driven pump and brushed electric motor with a safe and compact design to reduce weight and be more easily transported. Fitted with fully automatic pressure cut-out switch, air regulator and pressure gauges for tank and supply. Precision welded receiver tank manufactured to meet Pressure Vessel Directive 2009/105/EC. Supplied with handle and wheels for manoeuvrability. Fitted with ASTA/BS approved non-rewirable plug.

3. SPECIFICATIONS

Model No:	**SAC05030F**	**SAC10030F**
Motor Output:	3hp	3hp
Voltage/Phase:	230V/1ph	230V/1ph
Minimum Rated Supply:	13A	13A
Air Displacement cfm (ltr/mim):	11.4 (320)	11.4 (320)
Maximum Free Air Delivery (cfm (ltr/min)	8 (226)	8 (226)
Maximum Pressure:	116psi (8bar)	116psi (8bar)
Receiver Capacity:	50ltr	100ltr
Dimensions (W x D x H):	790 x 320 x 630mm	970 x 360 x 765mm
Weight:	25kg	34kg

4. ASSEMBLY

4.1. Fix the wheels by placing the stub axle through the tank bracket as in fig.1. Ensure that there is a washer either side of the bracket and tighten the nut.
4.2. The wheel for the SAC10030F is shown. For the SAC05030F: tighten the nut onto the stub axle as above and tap the hub caps on with a soft faced hammer.



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5. OPERATION

❒ **WARNING!** Ensure that you have read, understood and apply Section 1 safety instructions.

5.1. 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.

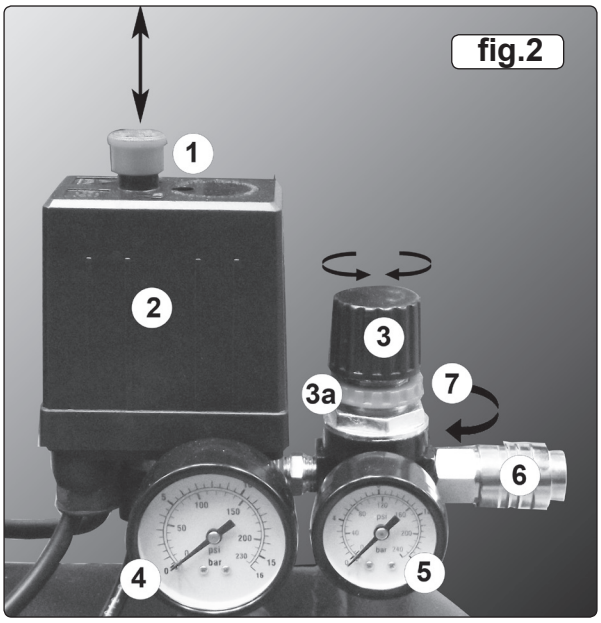
5.2. STARTING THE COMPRESSOR.

5.2.1. The compressor is fitted with a push/pull type of ON/OFF switch (fig.2.1). To turn the compressor 'ON' pull the switch knob upwards. To turn the compressor 'OFF' push the switch knob downwards.

5.2.2. Ensure that the regular cap (fig.2.3) is turned fully anticlockwise and no tool is connected to the quick release coupling (fig.2.6).

5.2.3. Connect to the electrical supply and start the compressor by pulling the ON/OFF switch knob upwards.

5.2.4. Leave the compressor running. 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 and shown on the gauge (fig.2.4) - is achieved. The compressor will now operate automatically. The pressure switch (fig.2.2) 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.



5.2.5. Stop the compressor by pushing the switch knob downwards. The air inside the cylinder heads will vent, 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 electrical supply, or by pulling the plug out of the socket, as the pressure relief will not then occur and motor damage may result upon restart.
When the compressor runs correctly and is stopped correctly there will be a hiss of compressed air when the motor stops. This is caused by pressure switch venting the cylinder heads to allow a soft start the next time that the unit runs.

5.2.6. The output pressure is regulated by the pressure regulator cap (fig.2.3). Turn the cap clockwise to increase pressure and anti-clockwise to reduce it. The output pressure is shown on smaller gauge (fig.2.5) The cap can be locked at any required setting by tightening the locking ring (fig.2.3a) up against the underside of the tap. To determine the correct working pressure for any piece of equipment 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.

5.2.7 **NOTE: 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.**
The larger gauge (fig.2.4) indicates the pressure inside the main tank. The smaller gauge (fig.2.5) indicates the pressure supplied to the air equipment. Should the pressure in the main tank exceed the pressure switch maximum, the safety valve to the rear of the pressure switch (fig.2.7) will activate.

❒ **WARNING!** For this reason **DO NOT** tamper with, or adjust, the pressure switch or safety valve.

5.2.8. The compressor is fitted with a thermal overload trip. If the unit stops, switch it off and wait for the motor to cool down before restarting. If this happens frequently, it suggests that the compressor is not powerful enough for the duty required.

6. MAINTENANCE

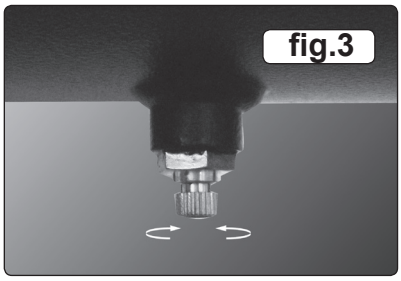
6.1. Drain condensate from the tank on a daily basis.

6.1.1. Disconnect the machine from the electrical supply and turn the drain tap (fig.3) in an anticlockwise direction.

6.1.2. When the air flow is free from condensate, re-tighten the tap.

6.2. To clean: rub over with a damp, soapy cloth. **DO NOT** use abrasive or solvent cleaners,

6.3. When not in disconnect from the electrical supply, drain the tank and store in a cool, dry, childproof location.



Environmental Protection

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment.
When the product becomes completely unserviceable and requires disposal, drain off any fluids (if applicable) into approved containers and dispose of the product and the fluids according to local regulations.

WEEE Regulations

Dispose of this product at the end of its working life in compliance with the EU Directive on Waste Electrical and Electronic Equipment (WEEE). When the product is no longer required, it must be disposed of in an environmentally protective way. Contact your local solid waste authority for recycling information.

NOTE: *It is our policy to improve products continually 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.

SEALEY

Sole UK Distributor, Sealey Group, Kempson Way, Suffolk Business Park, Bury St. Edmunds, Suffolk, IP32 7AR

01284 757500

01284 703534

www.sealey.co.uk

sales@sealey.co.uk

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