SEALEY
POWER
PRODUCTS

INSTRUCTIONS FOR:

AIR COOLER, HEATER PURIFIER & HUMIDIFIER

MODEL NO: **SAC41**

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. 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.

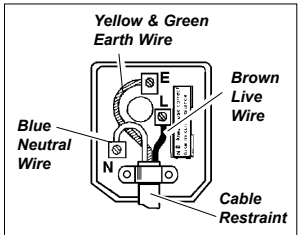
1.1.2. The **Health & Safety at Work Act 1974** makes owners of electrical appliances responsible for the safe condition of those appliances and the safety of the appliance operators. **If in any doubt about electrical safety, contact a qualified electrician.**

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 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.



FUSE RATING 13 AMP

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 t he 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 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 1.5mm^2, 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 2.5mm^2 section cable.

1.2 GENERAL SAFETY

✓ Disconnect the unit from the mains power before servicing or cleaning.
✓ Maintain the unit in good order and clean condition for best and safest performance.
✓ Replace or repair damaged parts. *Use recommended parts and an authorised service agent. Unauthorised parts may be dangerous and will invalidate the warranty.*
✗ DO NOT use the unit near gas appliances, fires or in the vicinity of flammable liquids, solids or gases such as petrol, solvents, aerosols etc, or where heat sensitive materials may be stored.
✗ DO NOT block the air intake or outlet by placing the unit too close to walls or furniture.
✗ DO NOT cover the unit when in use, and do not obstruct the air inlet and outlet grilles with items such as clothing, soft furnishings, furniture, bedding etc.
✗ DO NOT use the unit for any purpose other than that for which it is designed.
✗ DO NOT allow the unit to get wet as this may cause an electric shock, and will damage the unit.
✗ DO NOT let the power lead touch a hot surface, lie in a hot airflow, or run under a carpet.
✗ DO NOT insert or allow objects to enter any openings of unit as this may cause an electric shock, fire or damage to unit.
✗ DO NOT use in bathroom, shower room, or in any wet or damp environments of high condensation.
✗ DO NOT use the unit out of doors. This unit is designed for indoor use only.
✗ DO NOT use the unit if incorrectly working, or has become wet or has sustained any other type of damage.
✗ DO NOT allow children to operate the unit.
✓ When not in use, disconnect from the mains and store in a safe, cool, dry, childproof area.
✓ Keep the unit one metre away from TV sets or radios to avoid electromagnetic interference.
✓ Keep the unit level when moving it from one place to another.
✗ DO NOT subject the unit to vibration, shock or impact.
✗ DO NOT use the unit in a very crowded room.
✗ DO NOT operate with wet hands.
✗ DO NOT unplug the power supply while the unit is running.

2. SPECIFICATION

Model No: SAC41

Cooler: 70W
Heater: 1000W/2000W
Maximum Air Flow:. 200mtr³/hr
Anion Density: . . . . . 2 million/cm³
Cooling Water Tank:. 11ltr
Weight:. 9kg

3. CONTENTS/MAIN FEATURES

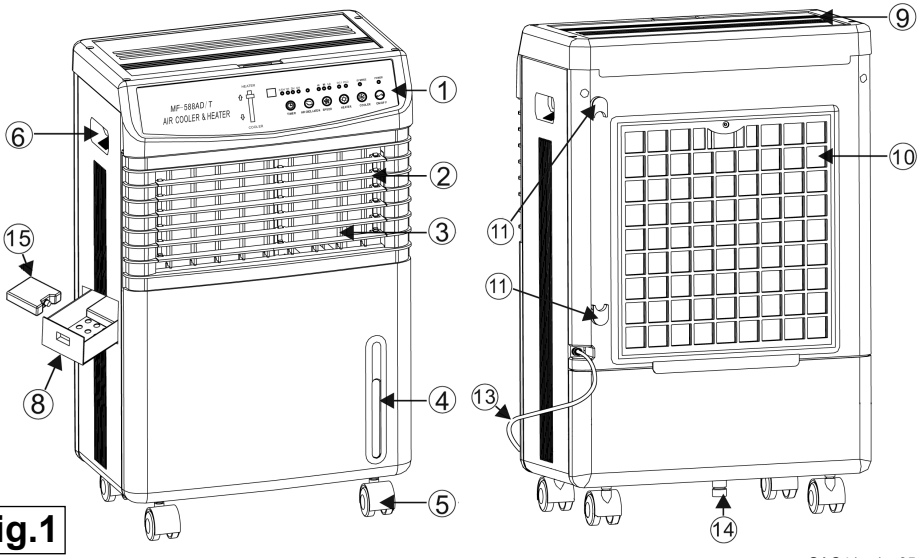


Fig.1

CONTENTS / MAIN FEATURES (See fig.1)

1. . . . . Control panel
2 . . . . . Horizontal louvres
3. . . . . Vertical louvres
4. . . . . Water level indicator
5 . . . . . Castor
6. . . . . Handle
8. . . . . Drawer
9 . . . . . Top water tank cover
10 . . . . . Filter
11 . . . . . Cable tidies
13 . . . . . Mains lead
14 . . . . . Drainage stopper
15 . . . . . Ice pack

4. OPERATION

4.1 Product description. The SAC41 is a multifunction 4-in-1 unit comprising air cooler, heater, humidifier and air purifier. It features a 3-speed fan, adjustable airflow direction and timer. Refrigerant-free cooling is achieved by evaporating water, which can be enhanced by adding ice to the built-in ice compartment or ice packs to the built-in draw. The unit has a fan-assisted heating function with two settings. Air purification is achieved by negative ion generation and an activated carbon filter. The unit is supplied with an electronic remote control and is mounted on castors for manoeuvrability.

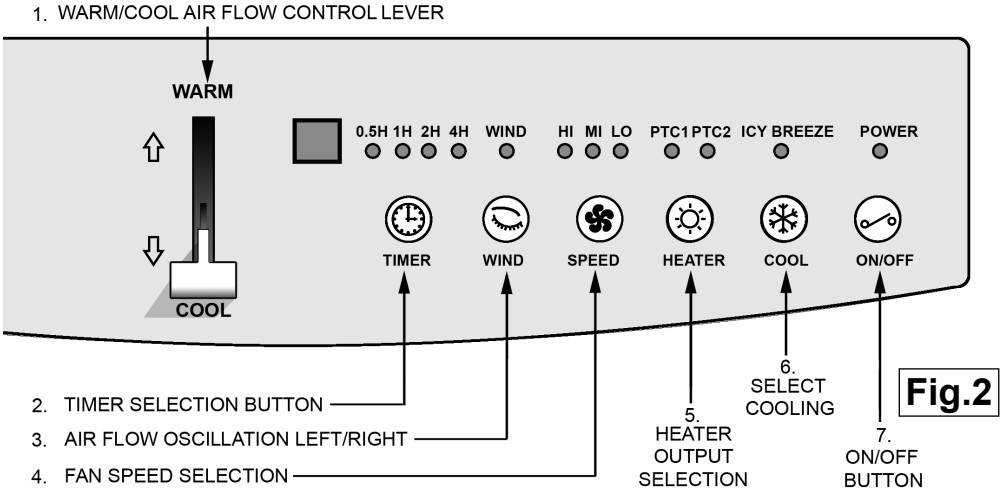


Fig.2

4.2 CONTROL PANEL FUNCTIONS.

4.2.1 **Warm/Cool Air flow Control Lever.** Before the heater functions can be used this lever must be pushed up to the 'WARM' position. When the cooling functions are required move the lever to the lower 'COOL' position.

4.2.2 **Timer.** By repeatedly pressing the timer button the timer can be set to switch off the unit in periods of time from from 0.5 to 7.5 hours in half hour increments. As you press the button the four indicator lights above it will illuminate in different combinations. The time period chosen is indicated by adding together the time values above each illuminated light. To turn off the timer, advance the time setting to 7.5 hours (all four lights on) then press the button once more at which point all four lights will go off.

4.2.3 **Wind.** The direction of the air flow coming out of the unit is controlled by two sets of louvres. The horizontal louvres on the front of the machine can be adjusted up or down manually. Behind these louvres is a second set of electrically driven vertical louvres which can be made to swing from side to side by pressing the 'Wind' button. An indicator light will come on above the button to show that the louvres are active. To cancel the movement press the button again. The indicator light will go out.

4.2.4 **Speed.** There are three indicator lights above the button which show the three speeds available, High, Medium, Low. By repeatedly pressing the button you can cycle through the three speeds. Stop when you reach the desired speed.

4.2.5 **Warm.** This unit contains a special heater known as a Positive Temperature Coefficient element. Repeatedly press the button to cycle through the available heating options. The first press will illuminate the PTC1 indicator which is equivalent to 1000Watts. The second press will illuminate both PTC1 and PTC2 indicators which is equivalent to 2000Watts. A third press switches the heater off and both lights go out. This button and it's indicators will not work unless the air flow control lever is set at 'WARM'.

4.2.6 **Cool.** Before switching to the cooling function make sure that the air flow control lever is moved downwards to the 'COOL' position. Press the button once to activate the cooling function. The 'Icy Breeze' indicator lamp above the button will illuminate. To stop the cooling function press the button again and the indicator light will go out.

4.2.7 **ON/OFF.** When the unit is plugged in it will beep to show that it is live. Switch the unit on by pressing the ON/OFF button. The power indicator above the button will illuminate.

4.3 **Preparing the unit for cooling.**
The unit produces a cooling effect by evaporating water which is in a tank in the base of the unit. Before use the water tank must be filled up.
Ensure that the unit is unplugged from the mains supply before topping up with water.
Open the top cover of the unit and pour water into the small compartment as shown on the right. **Do not pour water into the larger ice compartment.** The water is transferred to the lower tank by a tube. Check the level of water in the tank by looking at the water level indicator at the bottom, front, right of the unit. The level should be between 'max' and 'low'.

4.3.1 For an additional cooling effect place the ice packs supplied into the draw in the side of the unit (see right) and close the draw. The ice packs should be previously prepared by filling with water and freezing overnight.

4.3.2 Additionally, or as an alternative, the cooling effect can be enhanced by adding ice to the larger compartment under the top cover (see right). **Do not pour water into the ice compartment.**

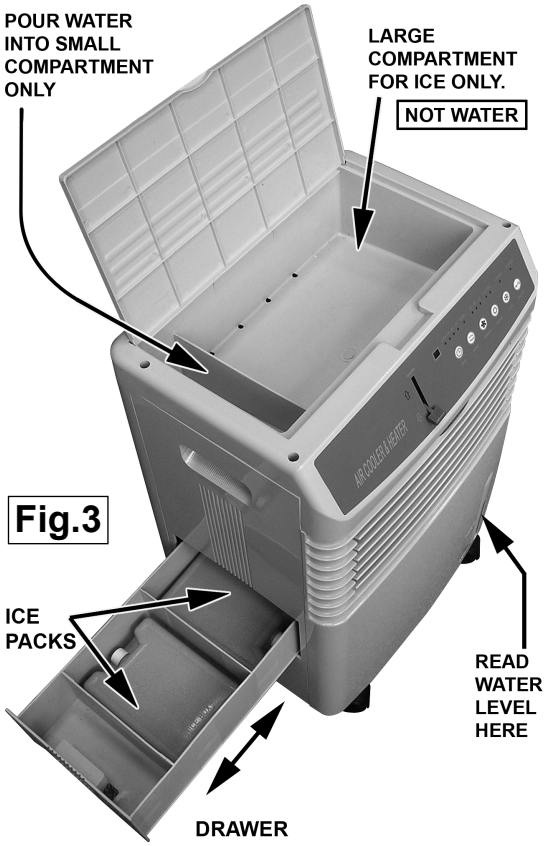


Fig.3

4.4 **USING THE UNIT TO COOL A ROOM.**

4.4.1 Plug the unit into the mains supply.

4.4.2 Switch the unit on by pressing the ON/OFF button.

4.4.3 Make sure that the air flow control lever is moved downwards to the 'COOL' position.

4.4.4 Press the 'COOL' button once to activate the cooling function.
The 'Icy Breeze' indicator lamp above the button will illuminate. The fan will start to run at the speed last set.

4.4.5 Adjust the speed of the fan if required using the 'SPEED' button.

4.4.6 Activate the louvre oscillation from side to side if required using the 'WIND' button. Adjust the air flow up or down manually.

4.4.7 Set the timer if required using the 'TIMER' button.

4.4.8 To stop the cooling function press the 'COOL' button again and the indicator light will go out.

4.5 **USING THE UNIT TO HEAT A ROOM.**

4.5.1 Plug the unit into the mains supply.

4.5.2 Switch the unit on by pressing the ON/OFF button.

4.5.3 Make sure that the air flow control lever is moved upwards to the 'WARM' position.

4.5.4 Press the 'WARM' button once or twice to select the heating level. The indicator lights above will show the heating level selected. The fan will start to run at the speed last set.

4.5.5 Adjust the speed of the fan if required using the 'SPEED' button.

4.5.6 Activate the louvre oscillation from side to side if required using the 'WIND' button. Adjust the air flow up or down manually.

4.5.7 Set the timer if required using the 'TIMER' button.

4.5.8 To stop the heating function press the 'WARM' button until all the lights are out.

4.5.9 When the unit is switched OFF using the 'ON/OFF' button the fan will continue to run for about 30secs. During this time the power light will flash until the unit shuts down.

4.6 **USING THE UNIT TO HUMIDIFY.**

4.6.1 In a dry and warm atmosphere the cooling action of the unit naturally adds humidity to the air due to the fact that the cooling action is provided by the evaporation of water.

4.7 **USING THE UNIT TO FILTER AND PURIFY.**

4.7.1 The air for both heating and cooling is drawn into the unit through an activated carbon filter and thus cleans the air of dust and other particles.

4.7.2 The unit also contains a negative ion generator known to produce cleaner fresher air and reduce airborne odours. The ion generator starts to work as soon as the unit is switched on and works in both heating and cooling modes.

4.8 **USING THE UNIT AS A FAN ONLY.**

4.8.1 If neither heating or cooling is selected on the control panel the unit will act as a 3 speed fan. In this mode both the 'TIMER' and 'WIND' functions can be used.

4.9 **Remote control operation.** The remote control provides the same functionality as the main control panel except for the Warm/Cool Air Flow Control Lever which must still be moved manually.

4.9.1 Insert the two AAA batteries supplied into the compartment in the back of the remote control ensuring that they are the right way round.

4.9.2 In use, point the remote control at the main control panel on the unit.

4.9.3 Ensure that the main unit is plugged into the mains socket.

4.9.4 Set the Warm/Cool Air Flow Control lever on the unit to the desired mode.

4.9.5 Turn the unit on by pressing the ON/OFF button on the handset.

4.9.6 Select 'WARM' or 'COOL' as required on the handset.

4.9.7 Select the fan speed as required.

4.9.8 Press 'WIND' if you require side to side oscillation of the air flow.

4.9.9 The timer functions in the same way as described in section 4.2.2. To cancel timer settings advance the time to 7.5 hours and press the timer button once more to cancel the settings.

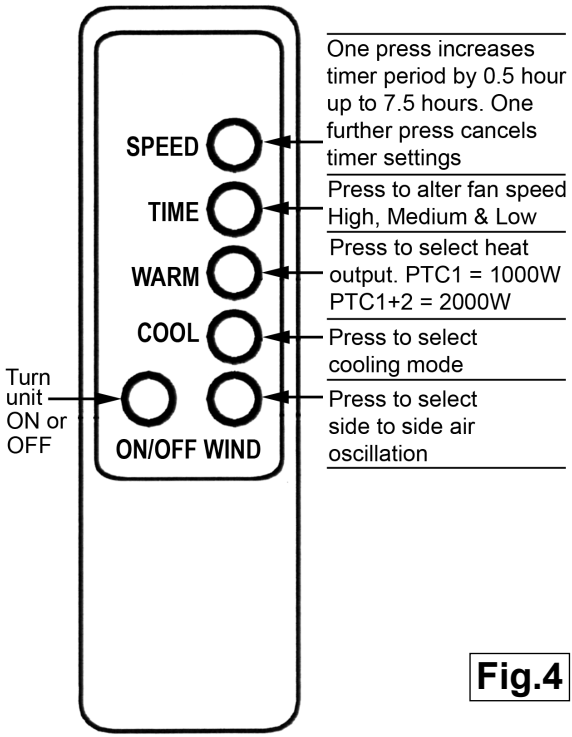


Fig.4

5. MAINTENANCE

5.1 General Maintenance. Turn the unit OFF and disconnect it from the mains power supply before cleaning or performing any maintenance.

5.1.1 Inspect the unit on a regular basis and replace or repair any damaged parts. *Use recommended parts and an authorised service agent. Unauthorised parts may be dangerous and will invalidate the warranty.*

5.1.2 Do not use any solvents or abrasive material to clean the plastic exterior of the unit. Use only a damp soft cloth for cleaning and dry the unit afterwards with a clean,dry, soft cloth.

5.2 Air Filter. Clean the air filter every 20 to 30 days for optimum performance. The filter is in the back of the unit, held in place by a plastic frame which is secured by a screw at the top centre of the frame.

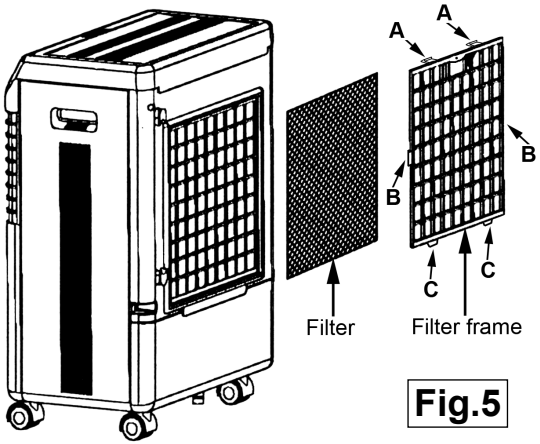


Fig.5

5.2.1 Remove the retaining screw. Take hold of the plastic frame directly below the screw fixing and pull the frame outwards to remove it. Remove the filter from the back of the frame and shake it outdoors to remove dust. If the filter is very dirty it can be washed in warm water contaning a mild, neutral detergent. Ensure that the filter is completely dry before using it again.

5.2.2 To replace the filter first insert the two tags 'C' on the filter frame into the bottom edge of the filter frame recess. Lay the filter onto the filter frame and hinge the frame forwards into the recess. Push the top of the frame inwards until the two clips 'A' snap into place. Push the frame inwards at points 'B' on the sides of the frame until they too snap into place. Replace retaining screw.

5.3 If the unit is not going to be used for a long period of time, drain off any water remaining in the tank. Place a deep tray under the rear of the unit and remove the drainage stopper as seen in fig.1-14. It may take more than one go to empty the tank. Be prepared to replace the stopper when the tray is nearly full. When the tank is empty replace the stopper firmly.

Environmental Protection.

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycle centre and disposed of in a manner which is compatible with the environment.

When the product is no longer required, it must be disposed of in an environmentally protective way.

Declaration of Conformity We, the sole importer into the UK, declare that the product listed here is in conformity with the following standards and directives. The construction file for this product is held by the Manufacturer and may be inspected, by a national authority, upon request to Jack Sealey Ltd.

Air Cooler, Air Purifier, Humidifier, Heater Unit.
Model No: SAC41
72/23/EEC Low Voltage Directive
89/336/EEC EMC Directive
93/68/EEC Marking Directive
2002/95/EC RoHS Directive
2002/96/EC WEEE Directive

CE

Signed by Steve Buckle

24th November 2006

For Jack Sealey Ltd. Sole importer into the UK of Sealey Power Products.

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 catalogue and latest promotions call us on 01284 757525 and leave your full name, address and postcode.

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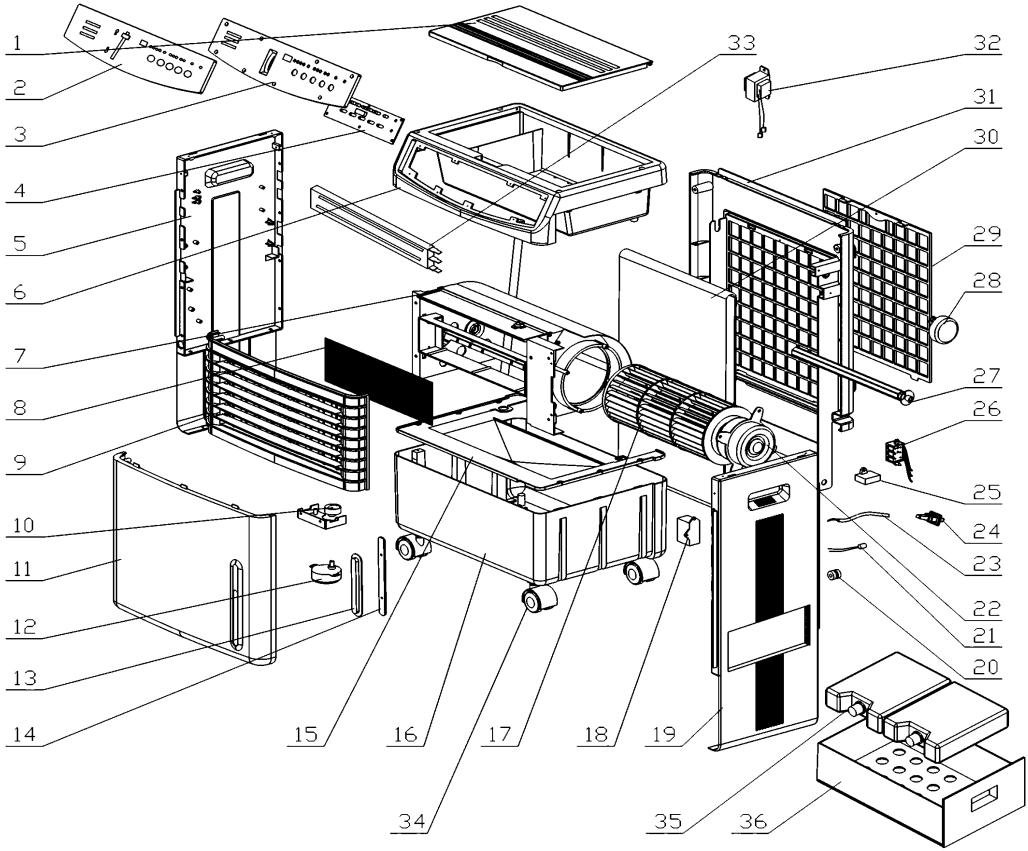
SEALEY POWER PRODUCTS

PARTS INFORMATION FOR:

AIR COOLER, HEATER PURIFIER & HUMIDIFIER

MODEL NO: **SAC41**



ITEM	PART NO.	DESCRIPTION
1	SAC41.01	WATER TANK COVER
2	SAC41.02	VEIL PVC
3	SAC41.03	CONTROL PANEL
4	SAC41.04	PCB MATERIAL BOARD
5	SAC41.05	LEFT HAND SIDE CASING
6	SAC41.06	TOP WATER TANK
7	SAC41.07	WIND TUNNEL
8	SAC41.08	METAL GRILLE
9	SAC41.09	PLASTIC OUTLET GRILLE
10	SAC41.10	CAM
11	SAC41.11	FRONT PANEL
12	SAC41.12	MOTOR, SYNCHRO SWING
13	SAC41.13	WATER LEVEL WINDOW
14	SAC41.14	WATER LEVEL BOARD
15	SAC41.15	LOWER WATER TANK COVER
16	SAC41.16	WATER TANK, LOWER
17	SAC41.17	FAN
18	SAC41.18	CAPACITOR

ITEM	PART NO.	DESCRIPTION
19	SAC41.19	RIGHT HAND SIDE CASING
20	SAC41.20	CLIP FOR POWER CORD
21	SAC41.21	IMPOSE LINE CAP
22	SAC41.22	MOTOR
25	SAC41.25	ANION
26	SAC41.26	TERMINAL BLOCKS
27	SAC41.27	AXLE FOR WATER CURTAIN
28	SAC41.28	MOTOR FOR WATER CURTAIN
29	SAC41.29	FILTER
30	SAC41.30	WATER CURTAIN
31	SAC41.31	REAR CASING
32	SAC41.32	TRANSFORMER
33	SAC41.33	PTC
34	SAC41.34	VERTICAL CASTER
35	SAC41.35	ICE BOX
36	SAC41.36	DRAWER
37	SAC41.37	REMOTE CONTROL