SEALEY POWER PRODUCTS

INSTRUCTIONS FOR:
AUTOMATIC DUST-FREE SYSTEM
Model: **DFS23A**

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 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. 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 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.

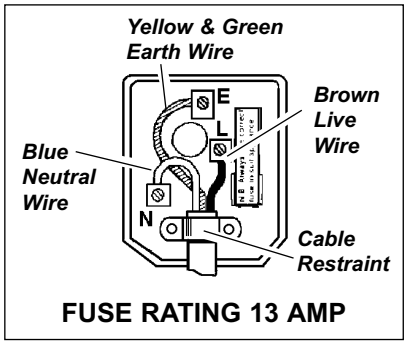
1.1.5. Regularly inspect power supply cables and plugs for wear or damage and check all connections to ensure that none is loose.

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.



FUSE RATING 13 AMP

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

1.2. GENERAL SAFETY

❒ **WARNING!** *Ensure that all relevant Health and Safety, Local Authority, Control of Substances Hazardous to Health (COSHH), and General Workshop Practice Regulations are strictly adhered to when using this equipment.*
✓ Familiarise yourself with the application, limitations and hazards of the dust-free vacuum system.
❒ **WARNING!** Disconnect dust-free vacuum system from mains power and air supply before changing accessories, servicing or performing maintenance.
✓ Maintain the dust-free vacuum system in good condition (use an authorised service agent).
✓ Replace or repair damaged parts. *Use recommended parts only. Unauthorised parts may be dangerous and will invalidate the warranty.*
✓ Locate dust-free vacuum system in a suitable work area. Keep area clean and tidy and free from unrelated materials. Ensure that there is adequate lighting.
❒ **WARNING!** Ensure correct air pressure is used, maintained, and not exceeded for the appropriate sander attachment.
✓ The air supply must be capable of providing a *minimum* of 15cfm free air delivery. We recommend the use of a 3HP (or more) compressor for one air tool, and twice that rating for the operation of two air tools.
✓ Air supply must be delivered through a 3/8" bore air hose. If you use a 5/16" bore hose the performance of the tool may suffer.
✓ Keep air hose away from heat, oil and sharp edges. Check air hose for wear before each use, and ensure that all connections are secure.
✓ Before each use check attached tool for condition. If worn or damaged replace immediately.
❒ **WARNING!** Electrical tools operated from the dust-free vacuum system must not exceed 1250 Watts.
✓ Ensure that there are no flammable or combustible materials near the work area.
❒ **WARNING!** Always wear appropriate approved eye or face protection, respiratory protection and ear defenders according to the task.
✓ Keep hands and body clear of the sanding disc when operating the dust-free vacuum system.
✓ Keep children and unauthorised persons away from the work area and DO NOT allow untrained persons to operate the dust-free vacuum system.
✗ DO NOT use the dust-free vacuum system for any purpose other than that for which it is designed.
✗ DO NOT pull or yank the electrical leads, air feed hoses and vacuum extraction hoses attached to the dust-free vacuum system.
✗ DO NOT get the dust-free vacuum system wet or use in damp or wet locations.
❒ **WARNING!** DO NOT use the dust-free vacuum system to vacuum combustible or poisonous materials, acids, solvents or asbestos.
✗ DO NOT operate the dust-free vacuum system when you are tired or under the influence of alcohol, drugs or intoxicating medication.
✗ DO NOT leave the dust-free vacuum system operating unattended.

✓ Ensure that the system is regularly emptied and the filter is cleaned. Failure to do so may damage the unit and invalidate your warranty.
✓ When not in use turn the mains power supply and the air supply off.
❒ **WARNING!** Ensure that you turn off the air supply before detaching the air hose from the vacuum system.
✓ Dispose of waste products in accordance with local authority regulations.
✓ Store the dust-free vacuum system in a safe, dry, childproof area.

2. DESCRIPTION & SPECIFICATION

Professional system for small and medium sized garage and body shops. Strong steel cabinet houses 60 litre 2000W vacuum unit and features integral air filter/regulator for a clean, dry supply for one or two air tools. Electronic control for a single power tool of up to 1250W is also included. Vacuum unit overruns by 10 seconds to clear hose of dust and debris and motors are protected by heavy-duty filter system. Supplied with dispenser for 5, 6 and 8 holed sanding discs, vacuum hose, combination air/vacuum hose and spring loaded hose carrier for clutter free use. Cabinet also features folding storage hooks and large work surface. Large, easy rolling wheels and braked castors allow added workshop mobility even when the unit is fully loaded. Supplied with dust-free air sander MA150AS.

Power Supply	230V - 50Hz
Motor Power	2 x 1000W
Power Tool Capacity	1250W
Drum	60ltr
Hose	Ø28mm
Weight inc. Cabinet	62kg

Note: *The vacuum system will support a maximum of two air tools or one air tool and one electrical tool.*

3. CONTENT, ASSEMBLY & USE

3.1. Content

Carefully unpack the product and check contents against the list below. If there are any damaged or missing parts contact your supplier immediately.

1. Vacuum Cleaner
2. Cabinet
3. Disc dispenser
4. Air Sander, MA150AS
5. Trolley wheels (2 fixed, 2 braked castors) and fixings
6. "Y" connector for dust hose
7. Combined air hose and dust extraction hose
8. Dust extraction hose
9. Hose support
10. Air hose (supply)
11. Dust bag and filter (inside main drum)

▲ ***IMPORTANT: See Section 4 for details of external air supply system.***

3.2. Assembly

3.2.1. Fit the rear wheels to the axle pins on the trolley and secure using the caps provided.
3.2.2. Fit the front castor wheels using the nuts and washers provided.
3.2.3. Attach the hose support spring base (fig. 1.C) to the top of the cabinet with the nut and washer provided. Fit the support rod (fig. 1.A) into the spring base and tighten grub screw (fig. 1.B) to retain.
3.2.4. Push air hose supplied onto the air inlet connector (fig. 2.A) on the cabinet and retain with hose clip.
3.2.5. Plug vacuum cleaner cable (2-pin plug) into the socket (fig. 2.B) on the back of the cabinet main control panel.
3.2.6. Place the vacuum cleaner on the cabinet with the two motor switches on the cleaner head facing out.
3.2.7. Push the "Y" connector into the cleaner intake socket (fig. 3) until it latches in place. To remove, press the release button (fig. 3.A).

3.3. For one tool

Push dust extraction hose onto one of the "Y" inlet tubes end and seal the other tube with the rubber plug (fig. 3.B).

3.4. For two tools

Attached the vacuum hose from each tool to the "Y" inlet tubes.

3.5. Connecting an electric tool

3.5.1. Once the dust extraction hose has been connected to the vacuum system as in 3.3, connect the other end to the extraction point on the tool.
3.5.2. Plug the tool into the power socket located in the system head (fig. 4.3).
❒ **WARNING!** DO NOT plug the tool into any electrical supply other than that on the system.
3.5.3. Plug the vacuum system into the mains power supply and switch on the power. The main control switch (fig. 4.2) will illuminate red.
3.5.4. Turn on the main control switch (fig. 4.2).
3.5.5. Press the operating switch (fig. 4.1) to the "Automatic" mode (II) and the red LED (fig. 4.4) will illuminate.
3.5.6. Turn on the two motor switches on the cleaner head and the unit is now ready for use. It will start automatically when the tool is operated and stop 10 seconds after the tool is switched off.

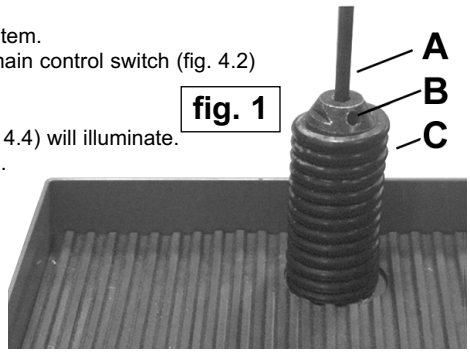


fig. 1

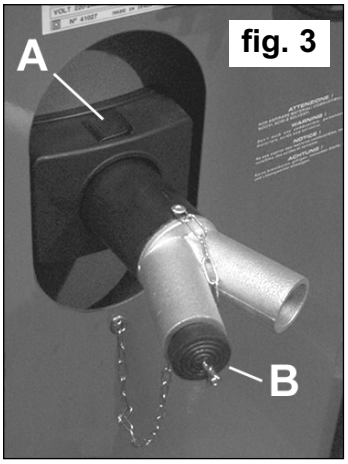


fig. 3

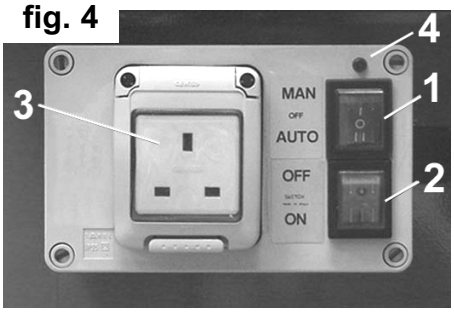


fig. 4

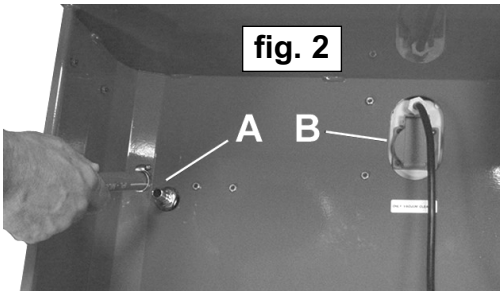


fig. 2

3.6. Connecting an air tool

3.6.1. Once the dust extraction hose has been connected to the vacuum system as in 3.3, connect the other end to the extraction point on the tool.

3.6.2. Connect an air hose to the tool and the other end to one of the two vacuum system air outlet couplings (fig. 5.A). Note that one hose supplied has an integral air line.

3.6.3. Connect an air line (see Section 4) to the vacuum system air hose and turn on the air supply.

3.6.4. Set the regulator to give the correct air pressure for the tool. Lift the regulator knob (fig. 5.B) and rotate to set. Push down the knob to lock the set position.

3.6.5. Plug the vacuum system into the mains power supply and switch on the power.

3.6.6. The main control switch (fig. 4.2) will illuminate red.

3.6.7. Turn on the main control switch (fig. 4.2).

3.5.8. Press the operating switch (fig. 4.1) to the “Automatic” mode (II) and the red LED (fig. 4.4) will illuminate.

3.5.9. Turn on the two motor switches on the cleaner head and the unit is now ready for use. It will start automatically when the tool is operated and stop 10 seconds after the tool is switched off.

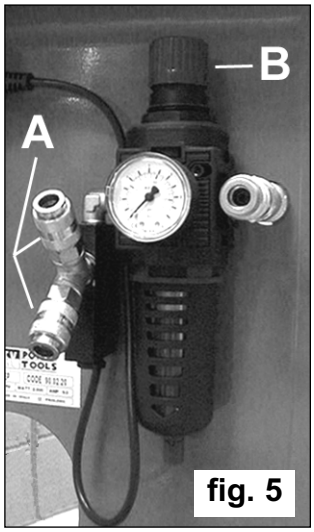


fig. 5

3.7. Manual control

3.7.1. To use the vacuum cleaner in a normal fashion set the operating switch (fig. 4.1) to the “Manual” mode (I). The red LED (fig. 4.4) will **not** be illuminated in this mode.

3.7.2. With the main switch (fig. 4.2) on, the cleaner motors can now be switched on and off manually using the switches on the cleaner head.

3.8. Cleaning

The dust bag may be emptied at any time as required (follow steps below). It is important to ensure however that the dust bag is never filled to more than 2/3rds capacity.

3.8.1. Undo the clips on the side of the vacuum system drum and remove the motor head. Remove the drum filter.

3.8.2. Check that the dust bag has enough free space to collect the dust that will be generated by the next task. To remove the bag, hold the plastic retaining ring that fits around the drum inlet and gently pull the bag off. Use the attached plastic cap to seal the bag and then dispose of it according to local regulations. When fitting a dust bag ensure that the inlet collar is fully pushed onto the drum inlet.

3.8.3. Shake the drum filter in a suitable area to remove dust particles.
We recommend that the filter is cleaned after every 10 hours operation. Check that filter is in good condition and refit it.

3.8.4. Replace the motor head with the power cable aligned with the “Y” connector inlet (fig. 3) and secure it with the side clips.

NOTE: *Blocked filters and/or over-filled bags may damage the motors and will invalidate your warranty.*

❒ **WARNING!** DO NOT operate the system without a filter and dust bag. Always ensure you use authorised spares, filters and bags. Contact your Sealey dealer for details.
Replacement dust bags are available under Part Number 122.99.70.19 - Pack of 10.

4. AIR SUPPLY

❒ **WARNING!** Ensure that the correct air pressure for the air tool(s) is used, maintained and not exceeded.

✓ The air supply should be sufficient to provide the free air delivery required by the tool(s). This should be a *minimum* of 15cfm free air at the air inlet of the dust-free vacuum system for the MA150AS Sander. We recommend the use of a 3HP (or larger) compressor for one air tool and twice that rating for two air tools.

✓ Air supply must be delivered through 3/8” bore air hose and fittings. If you use 5/16” bore hose the performance of the tool(s) may suffer.

4.1. Ensure that air tool control is in the "Off" position before connecting the air supply.

4.2. Check that the air supply pressure is set at approximately 90psi.

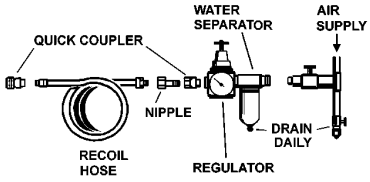
❒ **WARNING!** Ensure that the air supply does not exceed 130psi. Too high an air pressure and/or unclean air will shorten the product life due to excessive wear, and may be dangerous causing possible damage and/or personal injury.

4.3. Drain the compressor air tank daily. Water in the air line will damage the tool.

4.4. Clean the air inlet filter weekly. The recommended hook-up is shown on the right.

4.5. Line pressure should be increased to compensate for unusually long air hoses (over 8 metres).

4.6. Keep hoses away from heat, oil and sharp edges.
Check hoses for wear, and make certain that all connections are secure.



5. DECLARATION OF CONFORMITY

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.

Dust-Free Vacuum System
Model DFS23A
73/23/EEC Low Voltage Directive
89/336/EEC EMC Directive
93/68/EEC CE Marking Directive

CE

Signed by Mark Sweetman 26th June 2003

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 product.

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

INFORMATION: Call us for a copy of our latest catalogue & promotions on 01284 757525 and leave your full name and address including your postcode.

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