

Operating Instructions
KV10/1H, KV15/1H
& KV18/1H

Industrial Type H
Vacuum Cleaners

Please read carefully before use

IMPORTANT USER INFORMATION

It is most important that this instruction book should be retained with the machine for future reference. Should the machine be sold or transferred to another user always ensure that the book is supplied with the machine in order that the new user can be acquainted with the functioning of the machine and the relevant warnings. These warnings are provided in the interest of safety. You must read them carefully before installing or using the machine.

WARNING/CAUTION

This vacuum cleaner is designed to be operated by adults only and is not intended for use by persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge.

Prior to using this Type H vacuum cleaner a risk assessment must be carried out by a competent person to ensure that it is suitable for the application.

Do not remove this Type H vacuum cleaner from a contaminated area unless it has been decontaminated in accordance with the “Decontamination” section later in this book.

This vacuum cleaner is not suitable for collecting radioactive dust.

This vacuum cleaner is for dry use only and shall not be used or stored outdoors in wet conditions.

Do not use this vacuum cleaner in the presence of flammable gases.

This vacuum cleaner must not be used to pick up glowing dust/particles or other ignition hazards.

If the supply cord is damaged it must be replaced by a special cord or assembly available from _____ or our service agent.

Never leave this vacuum cleaner running unattended.

It is dangerous to alter the specification or modify the product in any way.

Remove the plug from the wall socket before attempting any form of user maintenance specified in this instruction book.

Do not carry or drag your Vacuum Cleaner by the mains supply cable.

Do not tug at the mains supply cable to remove the plug from the wall socket.

Keep the mains supply cable away from heat, oil, sharp edges and rough surfaces.

Always ensure that the cable is not damaged in any way.

Dust bags and filters should be changed at regular intervals as stated in this instruction book.

Do not use this machine to suck up liquids or use on wet surfaces.

Do not use this machine for dry vacuuming with the filters removed.

When fitting and changing the accessories always follow the instructions in this instruction book.

Under no circumstances should you attempt to repair this vacuum cleaner yourself. Repairs undertaken by unauthorised or inexperienced persons may cause injury and/or serious malfunctioning.

This machine should be serviced by authorised _____ personnel and only genuine _____ spare parts should be used.

Always replace the dustbag when full ensuring that the cloth filter is not blocked with dust.

Never use without the full filtration system fitted.

ELECTRICAL INFORMATION

This vacuum cleaner has been designed for dry vacuum cleaning only and must not be used to pick up any liquids.

Cable & Plug

These vacuum cleaners are Class 1 earthed machines and have 10 metres of 3 core supply cable with a moulded on impact resistant 13amp 3 pin UK plug. The fuse fitted is approved and rated at 13amps. Only 13amp fuses must be used (*Not applicable to 110V models – these are fitted with a yellow 16 amp 3 pin plug*).

Should the moulded on plug be damaged please follow this procedure:

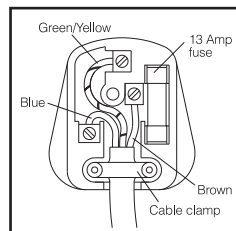
Switch off supply at socket, remove damaged plug from socket, cut plug off from flex.

Make sure the damaged plug is disposed of immediately so there is no chance of the damaged plug being used.

Fitting a Replacement Plug

Use only a 13amp approved plug. To fit proceed as follows:

- 1) Ensure that the lengths of wire to be fitted inside the plug have been cut to the correct length and the end correctly prepared. When preparing the cable ends take care not to damage the outer sheath, or the insulation surrounding the inner conductors.
- 2) Connect the blue (NEUTRAL) wire to the terminal in the plug which is marked with the letter “N”.
- 3) Connect the brown (LIVE) wire to the terminal in the plug which is marked with the letter “L”.
- 4) Connect the green/yellow (EARTH) wire to the terminal in the plug which is marked with the letter “E”.
- 5) Tighten all screws. Ensure that all conductor strands have entered into the terminal posts and that the mains lead is securely held in place by the cable clamp.
- 6) Ensure that the plug is fitted with a 13amp approved fuse. Replace the top cover of the plug and secure.



Extension Cable

If using an extension cable always ensure that the insulation sheath is in good condition and is not damaged in any way. Make sure that the socket is fitted to the extension cable correctly – if in doubt have it checked by a qualified electrician. Always use the extension cable in accordance with the manufacturers instructions.

UNPACKING YOUR CLEANER

Unpack your cleaner and ensure that you have a complete set of accessories as listed below:

Qty	Description
1	32mm x 2.5m Hose Assembly
1	32mm Stainless Steel Bent Hose End with Suction Adjuster
2	32mm Stainless Steel Wands
1	32mm Combination Tool
1	32mm Stair Tool
1	32mm Crevice Tool
1	32x70mm Dusting Brush
1	32mm Double Taper Tube
5	K1 Disposable Microfibre Bag (KV10 & 15H)
5	K4 Disposable Microfibre Bag (KV18H)
1	11" High Efficiency Filter Assembly (KV10H)
1	12" High Efficiency Filter Assembly (KV15 & 18H)

Note: The KV18/1H model is also available with a 38mm toolkit in place of the 32mm toolkit.

GENERAL ASSEMBLY

1. Hose

Fit the threaded end of the hose onto the hose connection on the cleaner and turn in a clockwise direction to lock into place.

2. Bent Hose End & Wands

To connect the wands and tools simply push the appropriate items together until secure. To disconnect firmly hold one item and gently twist and pull the other to separate.

RISK ASSESSMENT Type H

If this vacuum cleaner is used for collecting dust and debris which may be hazardous to health if inhaled, ingested or in contact with the skin then a risk assessment must be carried out by a competent person to verify the suitability of the application.

The risk assessment will be the responsibility of the customer/end user and should take into account but not limited to the characteristics of the material being collected such as:

1. The occupational exposure limit of the dust and debris being collected.
2. The particle size of the dust and debris being collected.
3. The method of disposal.

OPERATING INSTRUCTIONS

WARNING Before use operators must be provided with information, instruction and training for the use of this vacuum cleaner and the substances for which it is to be used, including the safe method of removal and disposal of the material collected.

1. Connection to the Electricity Supply

Insert the mains plug into a suitable socket outlet and switch on. When you have finished cleaning, switch off the supply at the outlet socket and unplug. When coiling the mains cable make sure that any twists or knots in the cable come out at the plug end. **DO NOT** coil cable from the plug end as all twists and knots remain in the cable and considerably shorten its life.

2. Cleaner Controls

The following controls are provided:

- a) The on/off switch is situated at the rear of the motor head. To switch the appliance on firmly press the part of the switch marked “I”. To switch off press the part of the switch marked “0”.
- b) The suction regulator situated on the bent hose end is used to vary the amount of suction power available. In the closed position maximum suction power is available and in the open position less suction power is available.

3. Carrying and Storing

The assembled cleaner should only be moved by the carrying handle on top of the motor head (*not applicable to the KV18H on a caddy*). Do not attempt to lift or drag the machine by the mains cable. The cleaner must be stored indoors and in a dry environment.

All Type H vacuum cleaners are supplied with screw-on blanking caps. These are designed to seal the inlet and exhaust ports to prevent the escape or ingress of hazardous dust during transport or storage. Whenever this vacuum cleaner is not in use these blanking caps should be used. They must be removed before use.

FILTRATION SYSTEM

This is a Type H Vacuum Cleaner. It is fitted with 3 stages of filtration on the negative pressure side of the motor (that is before the motor, so that the motor always receives clean filtered air).

1st Stage: Disposable Microfibre Bag

2nd Stage: High Efficiency Filter Assembly

3rd Stage: Type H HEPA (High Efficiency Particulate Air) Cartridge Filter

Also known as the Absolute or Essential Filter

KV10/1H HEPA Filter

KV15 & 18/1H HEPA Filter

Access to the Microfibre Bag and Filtration System

- a) To remove the motor head and HEPA cartridge unit, unclip the LOWER set of clips. Ensure that the clips are hinged clear of the rim of the HEPA unit. Lift the motor head and HEPA unit clear of the canister.
- b) To refit the motor head and HEPA unit align the head so that the switch and cable entry lie directly opposite the hose entry on the canister. Locate the clips over the rim of the HEPA unit and firmly press down both clips until they have locked into position.

Note: The upper set of clips between the HEPA unit and motor head have a lock-down screw to prevent the separation of the motor head from the HEPA unit.

Only authorised and trained personnel should separate the motor head from the HEPA unit.

WARNING

This vacuum cleaner may contain dust hazardous to health. Emptying and maintenance operations including removal and renewal of dust collection bag shall only be carried out by authorised personnel wearing suitable approved personal protection.

WARNING

Do not use this vacuum cleaner unless the full filtration system is fitted – Type H cartridge, High Efficiency filter assembly and Microfibre bag. Failure to fit the complete system may cause premature clogging of the Type H cartridge and may also endanger health.

WARNING

Do not use this vacuum cleaner for the collection of explosive dusts.

Do not use this vacuum cleaner in a corrosive or flammable environment.

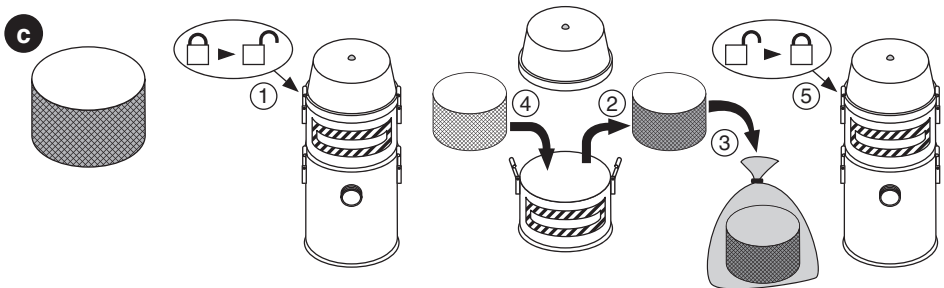
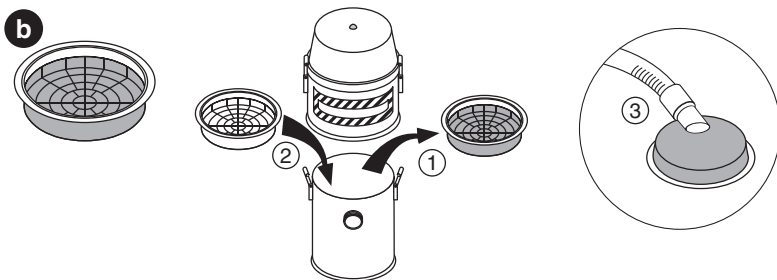
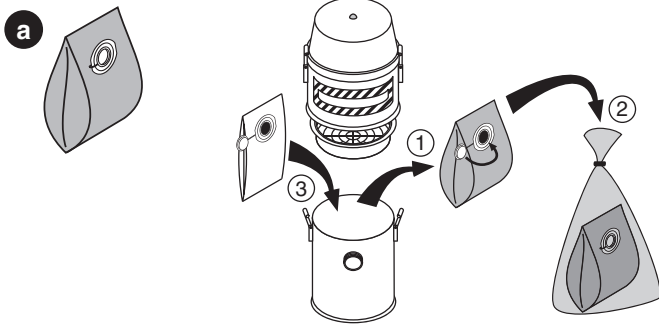
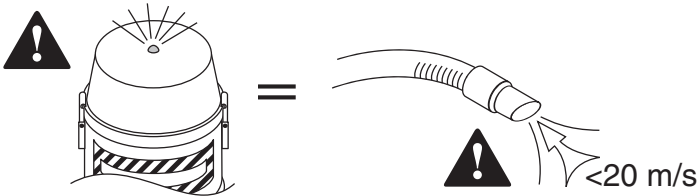
IMPORTANT

This vacuum cleaner is designed to collect hazardous dusts. Therefore any dust found within the machine or on its filters may be dangerous to your health. Always take precautions.

YELLOW FLASHING WARNING LIGHT

This model is fitted with a yellow flashing LED warning light. When this light is flashing the airspeed in the hose has dropped below 20 metres per second. This would indicate that there is an impediment to the airflow.

1. Remove hose. If LED stops flashing, the hose is blocked. Unblock the hose and try again.
2. If LED flashes with no hose connected, there is a restriction in the air filtration system. Use the following sequence to check, replace or clean the following:
 - a) Disposable Microfibre bag
 - b) High Efficiency filter assembly
 - c) HEPA Cartridge filter



DUST/DEBRIS DISPOSAL

This vacuum cleaner contains dust hazardous to health. Emptying and maintenance operations, including removal and renewal of dust collection bag, must only be carried out by authorised personnel wearing suitable personal protection. Do not operate without the full filtration system fitted.

Disconnect the hose, fit the blanking cap on the hose entry, unlatch the clips and remove the motor head/HEPA unit. Take care not to drop the motor head/HEPA unit. Remove the filter assembly and carefully release the disposable bag from the bag tube and lift out of the canister. Seal the disposable bag inlet using the integral cap on the bag collar. The disposable bag should be immediately placed in a suitably labelled impervious plastic bag and this bag sealed and disposed of in accordance with the current regulations. Fit new disposable bag over the bag tube inside the canister.

This vacuum cleaner is supplied with 5 spare Microfibre bags and a spare filter assembly. This (clean) spare filter should be used and the motor head/HEPA unit refitted.

The contaminated filter should now be cleaned by using this vacuum cleaner and stored in a labelled plastic bag ready for future use.

DECONTAMINATION

Decontamination operations should only be carried out by competent authorised personnel equipped with suitable personal protection.

Before removing the accessories/vacuum cleaner from the contaminated area:

- Accessories should be cleaned externally with a Type H vacuum cleaner.
- They should then be cleaned with an adhesive wipe, sealed at each end and sealed in a clear impervious bag. The bag should carry an appropriate warning label.
- The external surfaces of the bag should then be cleaned with an adhesive wipe.
- The vacuum cleaner should be cleaned externally with itself. The disposable bag and its contents should be removed and disposed of in accordance with the method described in the section titled Dust/Debris Disposal.
- The vacuum cleaner should then be cleaned externally with an adhesive wipe.
- The vacuum cleaner should be sealed in a clear impervious bag. The bag should carry an appropriate warning label.
- The external surfaces of the bag should then be cleaned with an adhesive wipe.

MAINTENANCE

Maintenance must be carried out in a suitable controlled area with local filtered exhaust ventilation and facilities for cleaning the area after servicing.

During maintenance always disconnect from the electrical supply.

Maintenance and cleaning must only be carried out by competent authorised personnel equipped with suitable personal protection. All parts must be regarded as contaminated. Another Type H vacuum cleaner should be used to clean each component.

Items that cannot be satisfactorily cleaned are to be disposed of in impervious plastic bags in accordance with current regulations. All surfaces should be cleaned as they become exposed.

THERMAL CUTOFF SWITCH

This vacuum cleaner is fitted with a thermal switch which automatically stops the motor if it overheats. This may be caused by a blocked hose or wands, a full Microfibre bag, or a blocked filter. If your vacuum cleaner cuts out check for the above. The thermal switch will automatically reset itself when the motor temperature drops.

SERVICING & SPARES

Should your vacuum cleaner need any servicing, repair or spares please contact your nearest dealer.

Please make a note of the model and serial number before contacting

Before attempting any servicing of this appliance, decontaminate in accordance with current best practice and make sure you are protected from any dust which may still be present on or around the machine or any dust which may have collected on internal components.

The Type H cartridge filter is not reusable or cleanable and should be disposed of safely. When it becomes excessively clogged and the vacuum performance of the appliance suffers or is no longer acceptable fit a new unit. Be careful when handling and fitting Type H cartridges as damage to the pleated element will affect the performance and may cause a leakage through the filter of unfiltered air.

GUARANTEE

products are guaranteed for 12 months against defective parts and workmanship. There are certain conditions that may invalidate this guarantee.

- a) This vacuum cleaner must be correctly installed and used in accordance with these instructions.
- b) Servicing must be carried out by authorised personnel only.
- c) This guarantee does not cover misuse, fair wear & tear and unauthorised repair or modification.

may introduce modifications to their products from time to time and consequently the details given in this instruction book are subject to alteration without notice.

Protecting the environment



When this product has reached the end of its useful life it must not be disposed of with normal household waste.

CAUTION: This Type H Vacuum Cleaner is likely to contain or be contaminated with dust hazardous to health. It must be thoroughly decontaminated in accordance with best practice before recycling.