

**Operator's Instruction Manual
Dry Collection Only**

**EDCO VAC
Model 120**



**120 Volt AC
Electric Powered Industrial Vacuum
Dust Collector System**



100 Thomas Johnson Drive, Frederick, MD 21702-4600 USA
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READ AND UNDERSTAND THE OPERATORS INSTRUCTION MANUAL *THOROUGHLY* BEFORE ATTEMPTING TO OPERATE THIS EQUIPMENT.



Death or serious injury could occur if this machine is used improperly.



SAFETY MESSAGES

- Safety Instructions are preceded by a graphic alert symbol of DANGER, WARNING, or CAUTION.



Indicates an imminent hazard which, if not avoided, will result in death or serious injury.



Indicates an imminent hazard which, if not avoided, can result in death or serious injury.



Indicates hazards which, if not avoided, could result in serious injury and or damage to the equipment.

GASOLINE/PROPANE POWERED EQUIPMENT



- Engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.



- Gasoline is extremely flammable and poisonous. It should only be dispensed in well ventilated areas, and with a cool engine.

- Small gasoline engines produce high concentrations of carbon monoxide (CO) example: a 5 HP 4 cycle engine operation in an enclosed 100,000 cu. ft. area with only one change of air per hour is capable of providing deadly concentrations of CO in less than fifteen minutes. Five changes of air in the same area will produce noxious fumes in less than 30 minutes. Gasoline or propane powered equipment should not be used in enclosed or partially enclosed areas. Symptoms of CO poisoning include, headache, nausea, weakness, dizziness, visual problems and loss of consciousness. If symptoms occur - get into fresh air and seek medical attention immediately.

ELECTRICAL POWERED EQUIPMENT



Extreme care must be taken when operating electric models with water present: Ensure power cord is properly grounded, is attached to a Ground-Fault-Interrupter (GFI) outlet, and is undamaged.

- Check all electrical cables - be sure connections are tight and cable is continuous and in good condition. Be sure cable is correctly rated for both the operating current and voltage of this equipment.
- Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with qualified electrician or service person if there is any doubt as to whether the outlet is properly grounded. Adhere to all local codes and ordinances.
- NOTE:** In the event of a malfunction or breakdown, grounding provides a path of least resistance for the electric current to dissipate. The motor is equipped with a grounded plug and must be connected to an outlet that is properly installed and properly grounded. DO NOT modify the plug provided on the motor. If the plug does not fit the outlet have a qualified electrician install the proper receptacle.
- Switch motor OFF before disconnecting power.

- Do not disconnect power by pulling cord. To disconnect, grasp the plug, not the cord.
- Unplug power cord at the machine when not in use and before servicing.

GENERAL INSTRUCTIONS

- Equipment should only be operated by trained personnel in good physical condition and mental health (not fatigued). The operator and maintenance personnel must be physically able to handle the bulk weight and power of this equipment.
- This is a one person tool. Maintain a safe operating distance to other personnel. It is the **operators' responsibility** to keep other people (workers, pedestrians, bystanders, etc.) away during operation. Block off the work area in all directions with roping, safety netting, etc. for a safe distance. Failure to do so may result in others being injured by flying debris or exposing them to harmful dust and noise.
- This equipment is intended for commercial use only.
- For the operator's safety and the safety of others, always keep all guards in place during operation.
- Never let equipment run unattended.



- Personal Protection Equipment and proper safety attire must be worn when operating this machinery. The operator must wear approved safety equipment appropriate for the job such as hard hat and safety shoes when conditions require. Hearing protection **MUST** be used (operational noise levels of this equipment may exceed 90db). Eye protection **MUST** be worn at all times.



Keep body parts and loose clothing away from moving parts. Failure to do so could result in dismemberment or death.

- Do not modify the machine.
- Stop motor/engine when adjusting or servicing this equipment.



Maintain a safe operating distance from flammable materials. Sparks from the cutting-action of this machine can ignite flammable materials or vapors.

DUST WARNING



Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to cause cancer, birth defects, or other reproductive harm. Some examples of these chemicals are:

- Lead from lead-based paints, and
- Crystalline silica from bricks and concrete and other masonry products.

Your risk of exposure to these chemicals varies depending on how often you do this type of work. To reduce your risk: work in a well ventilated area, use a dust control system, such as an industrial-style vacuum, and wear approved personal safety equipment, such as a dust/particle respirator designed to filter out microscopic particles.

Equipment Instruction Manual

EDCO VAC-120

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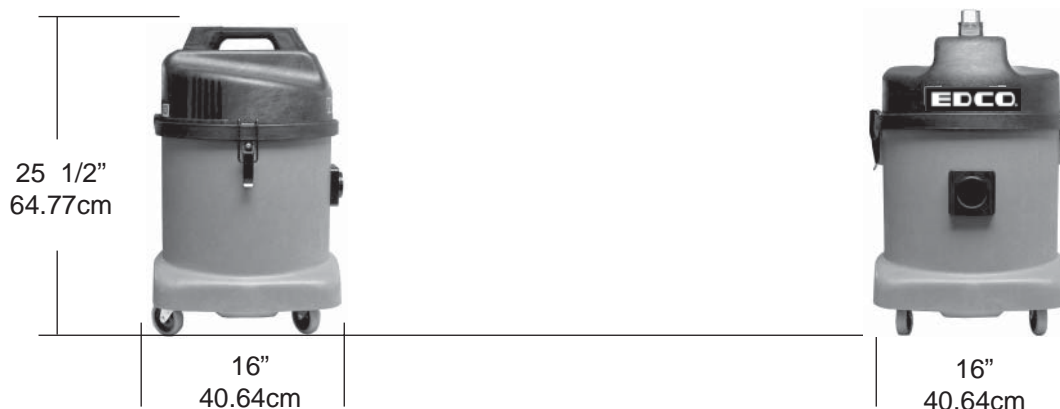


Figure 1

HOW TO ORDER REPAIR PARTS

To ensure product safety and reliability, always use genuine EDCO replacement parts when making repairs to the equipment.

When ordering parts, please specify the MODEL and SERIAL NUMBER of the machine as given on the NAME-PLATE. In addition, give part number, description and quantity as listed on the parts list.

Please note: Due to improvements and changes in the equipment the illustrations shown may be different from the actual machine.

Toll Free: Voice 1-800-638-3326 • Fax 1-800-447-3326

VACUUM SPECIFICATIONS

| Model | 120 |
|-------------|-------------------|
| Width | 16" / 40.64cm |
| Height | 25 1/2" / 64.77cm |
| Length | 16" / 40.64cm |
| Weight | 6.6 lbs / 18.6 kg |
| Voltage | 120 V 13.3A |
| Capacity | 160 CFM |
| Vacuum Hose | 10' / 304.8cm |



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Read and understand the *Operator's Instruction Manual*,
before operating this equipment.
 Death or serious injury can result if this machine is used improperly.



Safety Guidelines



Electrical
Hazard



Breathing
Hazard



Eye
Hazard



Hearing
Hazard



As with all electrical equipment, care and attention must be exercised at all times during use, in addition to ensuring that routine and preventative maintenance is carried out periodically to ensure safe operation. Failure to carry out maintenance as necessary, including the replacement of parts to correct standards could render this equipment unsafe.



This machine is not suitable for picking up hazardous or explosive dust. You should contact your local distributor if you require a machine capable of performing these tasks. Ensure that the filtration system fitted to the machine is suitable for the material being collected.

- Keep your machine clean.
- Keep filters clean.
- Keep hoses clear.
- Replace any worn or damaged parts with genuine EDCO parts immediately.
- Regularly examine the power cord for damage, such as cracking or ageing. If damage is found, replace the cord before further use.
- Empty dust container frequently for optimum operation.



- Do not use steam cleaners or pressure washers to clean the machine.
- Do not use in rain.
- Do not immerse in water for cleaning.

Safety warnings and guidelines do not by themselves eliminate danger.
 They are not substitutes for proper accident prevention and good judgement.

- Do not attempt machine maintenance or cleaning unless the power supply plug has been removed from the supply outlet.
- Do not allow any modifications that do not meet the quality and standards of the original equipment.
- Do not use to vacuum up water or liquid of any description.
- Do not use to vacuum up hot ashes, or lighted cigarette ends.
- Do not run the machine over the power cable during operation as a hazard may occur.
- Do not try to pull on the cable to unplug the machine from the power supply.

This product is for commercial use only.



Do not vacuum up anything that is hot, burning or smoking such as cigarettes, matches or hot ashes. Death or serious injury can result. Dust particles can be explosive. The debris, filter and other components may catch fire and burn from which toxic fumes may result.



Do not expose the power cord to sharp corners or edges. Do not run over the power cord or plug. Keep the cord away from heated surfaces. Do not use if the power cord or plug is damaged. Do not pull the unit using the power cord as a pull rope. Damage to the power cord may result in electrical shock and cause death or serious injury.



Ear protection should be worn if working in close proximity to the VAC-120 for an extended period of time. Failure to wear ear protection can result in permanent hearing damage.

- Do not operate the VAC-120 without the filters properly installed. Damage to the equipment will result.
- Be sure to follow healthy and safe recommended lifting practices when changing the dust bags. A full dust bag can weigh as much as 40 lbs when full of debris.



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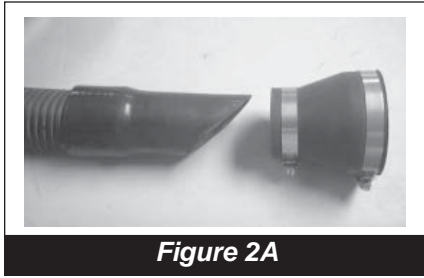
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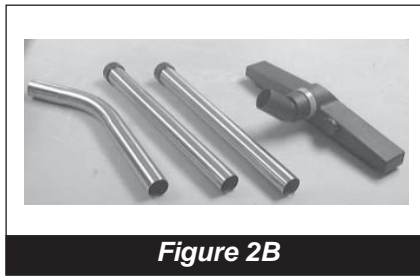
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Assembly of the Wand (optional):

- Slide sections (*Figure 2B*) together snugly into brush section.
- Use 1½" diameter hose or 1½" adapter on 2" hose.



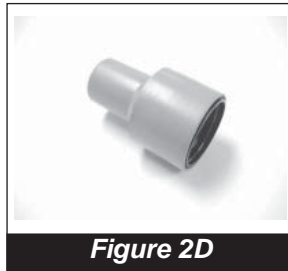
(2") two inch to (3") three inch adapter for use on several different machines vacuum port (optional).



Disassembled Wand (optional).



Assembled Wand



(3") three inch to (1 1/2") one and one half inch adaptor for the Wand (optional)

Operating Instructions:



This is a dry vacuum. Do not vacuum wet materials.

The filter is made of a fibrous material that may be destroyed if exposed to moisture.

Before Starting the VAC-120:

Ground the Machine:

- The VAC-120 must be properly grounded.
- A dedicated 120V/20A/60Hz grounded circuit must be used.

The voltage, current draw, and frequency are identified on the data plate found on each machine. Using a different voltage or frequency power source or limiting the current available to the machine will cause serious damage to the motors and possible electric shock to the operator. Death or serious injury can result from electrical shock.

Maintenance Instructions



To avoid possible injury, turn off the “blue” Master Control Switch and unplug the VAC-120 before performing any maintenance or inspections.

- Periodically inspect the VAC-120:
 - Check all hardware for tightness.
 - Check the seals, latches, fan, blower, duct work, housing and hose regularly for leaks and damage.
 - Replace damaged components with genuine EDCO replacement parts as identified in the VAC-120 Parts Manual.
- Check the filter periodically:
 - Replace damaged or worn out filters immediately (Filters usually last 3 to 6 months).



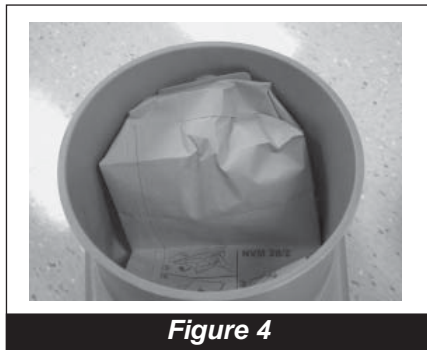
DO NOT LET THE FILTERS GET WET. For detailed instructions on accessing the filter see the *Cleaning/Changing Filters/Dust Bag* section in this manual on page (8).

NOTES:



Inspect the Dust Bin (Bag), Connect the Hose:

- Inspect the dust bag (Figure 4) prior to each use and replace if necessary.
- Connect the hose to the Vac-120's inlet and secure by turning to the right, (Figure 5). Do not over tighten the connection.

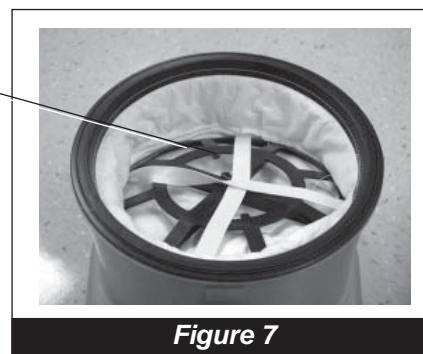
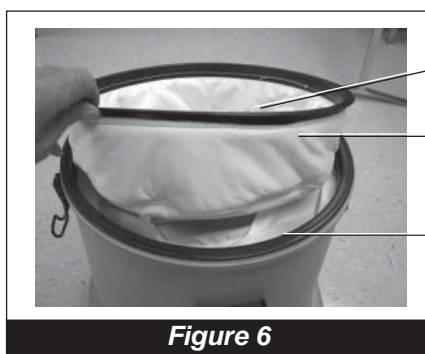


- Connect the other end of the VAC-120's hose to the vac-port on grinders or to wand.

Cleaning/Changing Filters/Dust Bag

- The filter system for the VAC-120 consists of (2) filters located in the top of the canister immediately below the power head (Figure 6).
- The first filter of the secondary filter system is a nylon PERMATEx filter that filters to .5 micron and filters to 99%. The second filter installed inside the first is a MICROTEx filter that filters to .3 micron and filters to 99% (Figure 6).

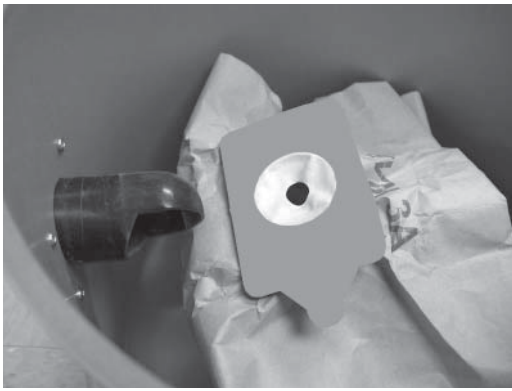
When cleaning or replacing filters, be sure to install the nylon permatex filter inside the canister. Install Microtex filter into the permatex filter. Place plastic spacer into the Microtex filter as shown in (Figure 6). The spacer is used to prevent filters from restricting the vacuum produced by the motors and possibly cause motor overload or damage.



- Insure the plastic spacer is inserted between the filter bottom and the straps as shown in (Figure7) above for proper operation, otherwise the flow of air will be restricted if vacuum pulls the filter against the bottom of the motor housing.

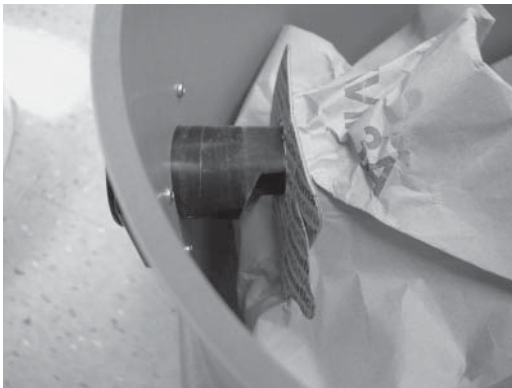


To clean or replace either of the filters located in the top of the canister (Figure 6) be sure to wear appropriate protective gear.



Remove full dust bag and dispose of according to local regulations.

Place a new dust bag in canister as shown on the left.



Align the hole in the rubber seal with the inlet tube.



Slide the rubber seal over the inlet tube until it stops up against the canister inside wall as shown.



Bag in place inside of canister VAC-120. Insert filters as shown in (Figure 7).



CLEANING THE MOTOR(S) HOUSING (POWER HEAD)



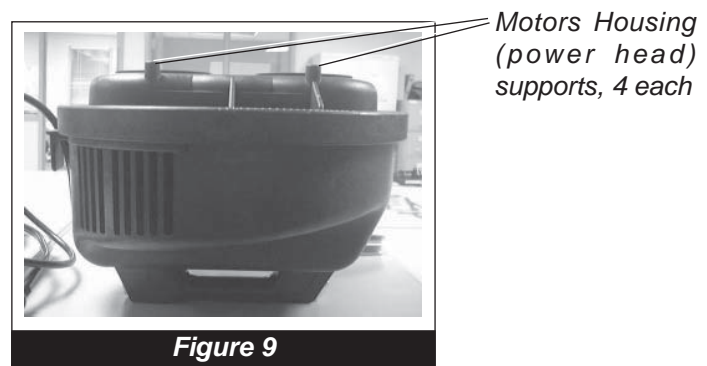
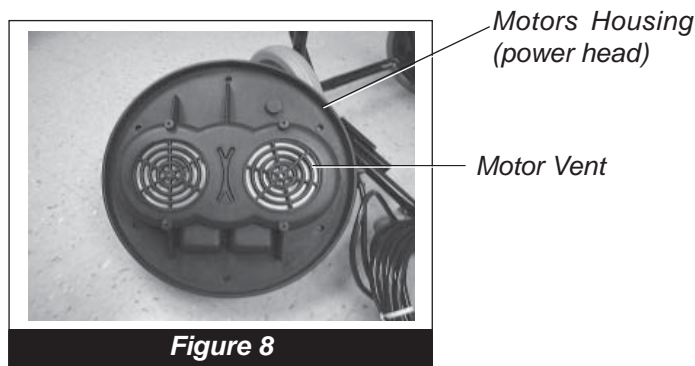
WARNING

To clean the motors housing (power head) (*Figure 8*) be sure to wear appropriate protective gear and remove power at the at the source.



- Remove motors housing (power head) by releasing clips on the sides of the vacuum, turn power head over to expose the motor vents (*Figure 8*). With a soft brush, no water or liquids, brush any dust collected on the surface of and around the motor vents. **DO NOT USE COMPRESSED AIR**, this would force dust and dirt into the internal workings of the fan motors and reduce their working life.

Note: Whenever the motor(s) housing (power head) is removed, **DO NOT SET THE HOUSING ON A CONTAMINATED OR WET SURFACE!** Place it on a flat clean dry surface on the motors housing (power head) supports or ring (*Figure 9*) not on the ground or a contaminated surface, doing so will allow contaminants to get into the motors housing (power head) and cause damage.



- If excessive dust is found on motor vents, inspect filters to be sure they are intact and not damaged, be sure filters are installed properly. Any damaged filters should be replaced immediately.



Repairs are to be performed by EDCO or by approved EDCO repair technicians.



Read and follow all instructions in the Operator's Instruction Manual.

Maintenance Schedule

| | Before Operation | Every 4 Hours | Every 8 Hours | As Necessary |
|-------------------------------------|------------------|---------------|---------------|--------------|
| Inspect Entire Machine | X | | | |
| Check Filters (Clean if Necessary) | X | | | |
| Inspect Vacuum (replace bags, etc.) | | | | X |
| Inspect/Tighten Hardware | | | | X |



LIMITED EQUIPMENT WARRANTY

Equipment Development Company, Inc. herein referred to as EDCO warrants that each new unit manufactured by EDCO to be free from defects in material and workmanship in normal use and service for a period of (1) one year (except in the case of the VAC motors, in which case the warranty period shall be (2) years) from date of shipment to the original buyer or equipment rental center owner.

EDCO will, at its option, repair or replace, at the EDCO factory or at a point designated by EDCO any part, which shall appear to the satisfaction of EDCO inspection to have been defective in material or workmanship.

This warranty, does not apply to failure occurring as a result of abuse, misuse, negligent repairs, corrosion, erosion, normal wear and tear, alterations or modifications made to the product without express written consent of EDCO: or failure to follow the recommended operating practices and maintenance procedures as provided in the products operating and maintenance manuals.

This warranty does not obligate EDCO to bear any transportation charges in connection with the replacement or repair of defective parts. This warranty does not obligate EDCO to bear any expense for travel time or of personnel in connection with any service calls.

Accessories or equipment furnished and installed on the product by EDCO but manufactured by others, including but not limited to engines, motors, electrical equipment, transmissions, etc., shall carry the accessory manufacturers' own warranty.

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, OR STATUTORY, INCLUDING ANY WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE.

LIABILITY LIMITATIONS

The remedies of the user set forth under provisions of warranty outlined above are the exclusive and total liability of EDCO with the respect to their sale or the equipment and service furnished hereunder, in connection with the performance or breach thereof, or from the sale, delivery, installation, repair or technical direction covered by or furnished under the sale, whether based on contract, warranty, negligence, indemnity, strict liability, or otherwise shall not exceed the purchase price of the unit of equipment upon which such liability is based.

EDCO will not in any event be liable to the user, any successors in interest or any beneficiary or assignee relating to this sale for any consequential, incidental, indirect, special or punitive damages arising out of this sale or any breach thereof, or any defects on, or failure of, or malfunction of the equipment under this sale based upon loss of use, lost profits or revenue, interest, lost goodwill, work stoppage, impairment of other goods, loss by reason of shutdown or non-operation, increased expenses of operation of the equipment, cost of purchase or replacement power of claims of users or customers of the user for service interruption whether or not such loss or damage is based on contract, warranty, negligence, indemnity, strict liability, or otherwise.

EDCO reserves the right to modify, alter and improve any part or parts without incurring any obligation to replace any part or parts previously sold without such modified, altered or improved part or parts.

No person is authorized to give any other warranty or to assume any additional obligation on EDCO's behalf unless made in writing and signed by an officer of EDCO.

Equipment Development Company, Inc.

USE ONLY GENUINE EDCO PARTS AND ACCESSORIES
For your own safety, the safety of others and the life of your machine

