

USER MANUAL

Central Vacuum System



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1. IMPORTANT SAFETY INSTRUCTIONS

READ THIS MANUAL THOROUGHLY BEFORE USE

When using electrical appliances, basic safety precautions should always be followed, including the following: Read all instructions before using this vacuum.

NOTE:

Your Built-In Vacuum is listed and approved by the appropriate agencies for dry pick-up only. Please see your rating plate for details. To reduce the risk of electrical shock, DO NOT USE on wet surfaces.

DANGER:

Always unplug the power unit from the electrical outlet before servicing and cleaning.

WARNING – TO REDUCE THE RISK OF BURNS, FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS:

- Keep cord away from heated surfaces.
- Do not allow the vacuum to be used as a toy. Close supervision is necessary when this vacuum is used by or near children.
- Use this vacuum only for its intended use as described in this manual. (Use of attachments not recommended by the manufacturer may cause fire, electric shock, injury or damage to system components.)
- Never operate this vacuum if it has a damaged cord or plug, if it is not working properly, or if it has been dropped or damaged. Return to your authorized dealer for repair.
- Do not pull or carry this power unit by supply cord, or use cord as a handle.
- Never disconnect plug by pulling the cord. To disconnect from the outlet, grasp the plug, not the cord.
- Do not put any object into openings. Do not use with any opening blocked. Keep free of dust, lint, hair and anything that may reduce air flow.
- Keep hair, face, fingers, and all body parts and loose clothing away from any openings.
- Do not pick up cigarettes, live hot ashes, matches or similar materials.
- Never operate vacuum without dust bag and/or filter in place.
- Turn off all controls before unplugging.
- Never handle the plug, cord or power unit with wet hands.
- Do not use on wet surfaces.
- Use extra care when cleaning on stairs.
- Do not use to pick up flammable or combustible liquids such as gasoline or use in areas where they may be present.
- Connect to a properly grounded (earthed) outlet only. See grounding (earthing) instructions.
- Do not block the motor hood ventilation openings on top of the power unit, lack of ventilation airflow will cause the motor to overheat.
- Do not locate the power unit in a high temperature area or where it is inaccessible, for example, an attic or crawl space.
- Mount the built-in vacuum system power unit at least 12 inches (31 cm) from the floor, ceiling and adjacent sidewall to ensure adequate ventilation for the motor.
- Do not use extension cords or outlets with inadequate current carrying capacity.

SAVE THESE INSTRUCTIONS

2. INTRODUCTION

Congratulations! You are now the proud owner of a Smart Built-in Vacuum System, the ultimate in cleaning equipment. Say “goodbye” to old-fashioned sweepers. You’ll never have to lug a heavy, awkward vacuum again. Your Smart Built-in Vacuum will change your cleaning routine. It is so easy and versatile to use. It’s quiet and dust-free. It will help eliminate the drudgery of vacuuming and give you a cleaner, healthier indoor environment. Before you use your Smart Built-in Vacuum System, read this manual carefully. Learning the proper way to use this system will help give you years of trouble-free cleaning performance.

GENERAL INFORMATION

The central vacuum is designed for dry pick-up of household dirt and dust. Avoid picking up hard or sharp objects with this system to prevent hose and plastic pipe damage or clogs.

This manual will cover the final steps of the installation of the power unit in your home. It will also provide the necessary information for maintenance and trouble shooting, in the unlikely event that it will be needed.

If you require further information about installation or inquires on the product, spare parts, service, warranty or anything else, please contact your local authorized dealer/distributor.

POWER UNIT

Your power unit is equipped with a 115/120-volt motor and employs an overload protection device, which can be reset should the motor be overloaded causing the circuit to open. It is normal for some dirt and lint to cling to the filter. However, the filter should be checked occasionally to be sure it has not been punctured or torn. The dirt receptacle should be emptied 2-3 times a year on the average depending on the amount of use. For best results, empty the canister when it is about half full. Any dirt spilled can be vacuumed up quickly by plugging the hose into the nearest inlet valve. The on/off button on the power unit will start and stop the power unit. No part of the unit requires lubrication.

RATING PLATE

The type, model, and serial numbers are indicated on the rating plate located on the control panel or motor hood. For prompt and complete service information, always refer to these numbers when inquiring about service.

SERVICE INFORMATION

The instructions in this booklet serve as a guide to routine maintenance. For additional information, contact your nearest authorized dealer/distributor.

HOW TO USE YOUR CENTRAL VACUUM SYSTEM

To operate, simply plug the hose into one of the handy wall inlet valves. The metal ring on the hose end will complete a low-voltage electrical circuit, which in turn activates a relay and turns on the system’s power unit. To turn off the power unit, simply unplug the hose from the inlet.



NOTE

When unplugging the hose, it is recommended to hold the inlet door open for a few seconds until the suction pressure has sufficiently decreased.

For safety purposes, a low-voltage circuit is utilized at the wall inlet. The power unit functions on a standard 110/120-volt circuit. There are optional hoses available with an on/off switch located on the handle.



NOTE

When using one of these optional hoses, it is important to properly align the hose with the wall inlet when plugging it in to prevent damage to the unit.

ELECTRICAL FAULT PROTECTION

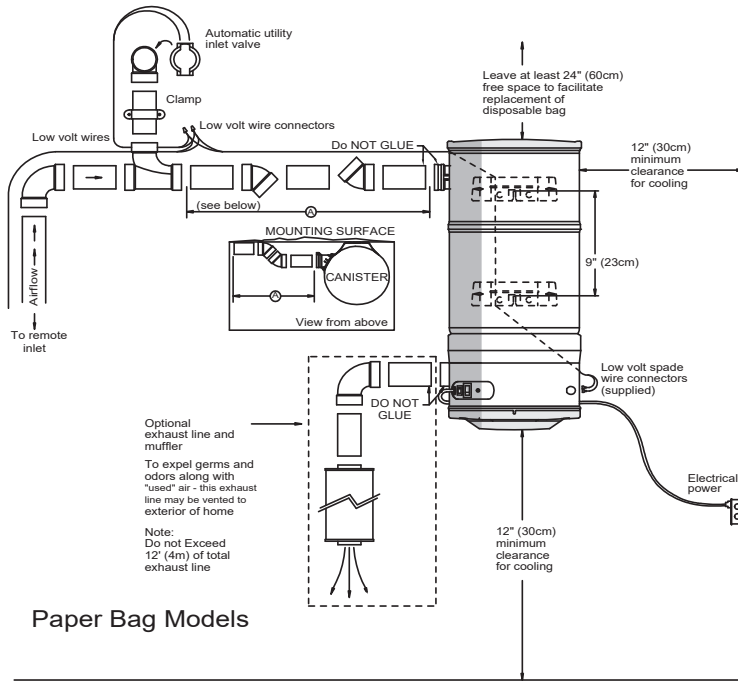
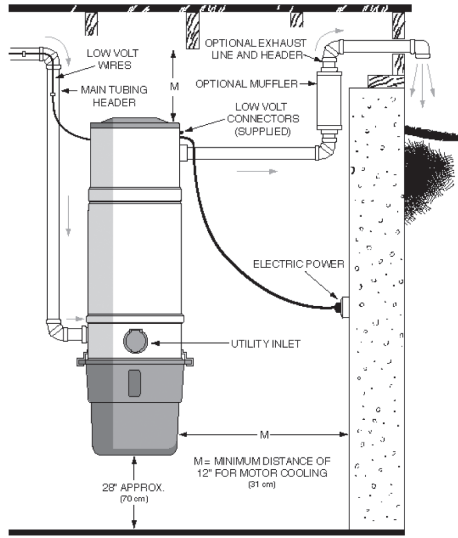
The central vacuum system employs features that monitor the following operating levels: AC voltage, current draw and circuit board temperature. If the voltage is below or above the standard operating voltage, high current draw or locked rotor, the power unit will not operate. In this case the LED next to the on/off button will blink until the problem ceases. If the circuit board reaches an elevated temperature, the power unit will not operate and the LED will be off. In the event of these problems happening, press the on/off button, unplug hose, or wait for temperature to lower. If problems persist; contact the authorized service centre nearest you.

In the case of power failure, the power unit will return to its previous state when power returns. For example, if a hose is plugged in with the hose switch on, or a straight air hose is plugged into a wall valve, then the power unit will turn back on. If the power unit was turned on at the unit prior to power loss then the unit will not turn back on.



3. INSTALLATION

POWER UNIT



The power unit hangs on the mounting bracket which is screwed to the wall. The bottom screws of the mounting bracket should be about 48" (122 cm) up from the floor to allow convenient removal of the dirt receptacle. For proper motor cooling, there must be at least 12" (31 cm) between unit and the ceiling (see Figure 1). If mounting on plaster or panel walls, be sure mounting screws enter studs. If mounting on a concrete wall, drill the wall with a masonry bit and insert the appropriate wall anchors. Strip the low-voltage wires that were installed with the main trunk line. Connect the wires to the spring-loaded connectors on the back side of the power unit. Connect the main tube line to the left side of the power unit with the connector and clamp provided. Do not cement this connection to the power unit in case you wish to remove at some future date.

This unit may be vented outside to exhaust fumes and germs. For optimum noise reduction, this unit must be vented outside. Do not vent power unit exhaust into a wall, ceiling or concealed space of a building. Use two exhaust lines for twin motor units.

NOTE

The on/off button on the power unit is only used for the inlet on the power unit. All other inlets operate automatically when the hose end is inserted into an inlet valve. The power cable has a three-prong female connector on one end. This connector must be plugged into the mating connector on the power unit. Plug the other end of the power cable into the wall electrical outlet.

WIRING: Check local codes, but do not use less than #12-2 wire with ground. Plug power unit cord into an appropriate electrical outlet. Be sure line voltage is sufficient to handle 20 amp load.

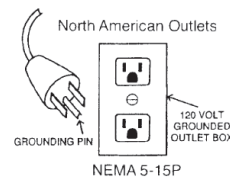
GROUNDING (EARTHING) INSTRUCTIONS

This appliance must be grounded (earthed). If it should malfunction or break down, grounding (earthing) provides a path of least resistance or electric current to reduce the risk of electric shock. This appliance is equipped with a cord having an equipment grounding (earthing) plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded (earthed) in accordance with all local codes and ordinances.

WARNING:

Improper connection of the equipment grounding (earthing) conductor can result in a risk of electric shock. Check with a qualified electrician or service person if you are in doubt as to whether the outlet is properly grounded (earthed). Do not modify the plug provided with the appliance. If it will not fit the outlet, have the proper outlet installed by a qualified electrician. This appliance is for use on a nominal 120 volt (see rating plate for correct voltage) circuit and has a ground (earth) plug that looks like the plug illustrated below. Make sure that the appliance is connected to an outlet having the same configuration as the plug. No adapter should be used with this appliance.

- ❑ If the power cable is damaged, use only an OEM replacement cable.
- ❑ Check the power unit on/off button and all inlet valves for operation.
- ❑ This power unit is intended for household use only.



4. CARE AND MAINTENANCE

POWER UNIT

- Motor never needs lubrication. Bearings are permanently sealed and lubricated.
- Motor brushes should be checked by your authorized dealer after 500 hours of use.
- Power unit can be dusted off with a clean, soft cloth.



CAUTION:

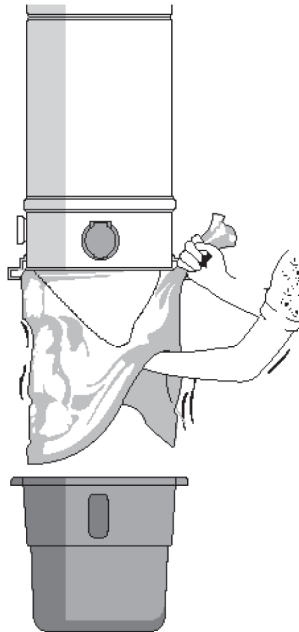
Do not use liquid cleaners or water as an electrical shock may occur.

- Do not tamper with the power unit. Do not place anything on top of the power unit as this could restrict cooling air to the motor, causing the motor to overheat.
- Do not attempt to pick up anything that will not go through the cleaning tool or hose end. Do not use the system to pick up construction debris.
- Do not attach anything else to the system's electrical power source. Be sure that a properly sized protected circuit is used for your unit's electrical requirements. Consult your authorized dealer for the correct size.
- After removing the hose from the inlet, hold the inlet door open for a few seconds to help clear dirt from the vacuum tubing and make sure the power unit has been turned off.
- To ensure proper cleaning, use only one inlet at a time.
- If service is ever required, have it performed by your authorized dealer.

FILTER

The filter is permanent and self-cleaning. However, if cleaning is desired, just follow these five easy steps:

1. Remove the dirt receptacle.
2. Wrap a large plastic trash bag around the lower portion of the power unit, holding it firmly in place - (as illustrated).
3. Grasp the sewn-in weight at the bottom of the filter through the bag (as shown) and shake vigorously. Dirt will drop into the bag.
4. Carefully remove the plastic bag from the unit. Then empty the dirt receptacle into the bag, as well.
5. Replace the dirt receptacle on the power unit. Remember, any dirt that is spilled can be easily vacuumed by attaching the hose to the utility inlet and activating the power unit with the manual switch.



HOW TO CHANGE THE DISPOSABLE FILTRATION BAG

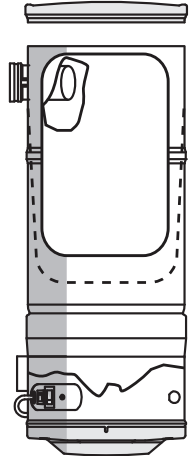
Ensure that the power unit is not running before changing the bag.

1. Remove the top cover plate from the power unit.
2. Slide the filtration bag slowly away from the plastic pipe.
3. Dispose of the filtration bag.
4. Slide the new filtration bag over the plastic pipe until pipe is completely covered.
5. Replace the top cover plate.



NOTE

Any dirt spilled can easily be vacuumed by inserting the hose into the closest automatic inlet valve.



HOW TO EMPTY THE DIRT COLLECTION PAIL

For the average home, the dirt collection pail should be emptied every 3 months. However, for best performance we recommend the pail be emptied when or before it is 1/2 full.

1. Ensure that the power unit is not running before emptying the dirt collection pail.
2. Remove the dirt collection pail from the power unit.
3. Dispose of the dirt in the pail.
4. Re-attach the dirt collection pail to the power unit.

HOSE

For optimum benefit, the hose should be used and stored at temperatures above 40°F (5°C). Always hang up the hose when not in use using the hose hanger supplied. Disconnect hose handle from wands before storing. DO NOT store hose in direct sunlight.

5. TROUBLE SHOOTING

SITUATION	VERIFICATION
PARTIAL LOSS OF SUCTION	Clean out the dirt receptacle. Inspect and clean the filter (see Filter in the Care and Maintenance section). Replace dirt receptacle.
	Turn ON the power unit with the on/off button. Then check the suction at each inlet. If it is not the same at each one, the line is partially clogged. To locate the clogged area in the system, start with the inlet closest to the power unit and check the suction. Continue to check each successive inlet until you locate the inlet where a loss in suction is occurring. The clog will be between that inlet and the previous one you checked. To remove the clog, carefully insert an electrician's fish tape in the inlet and push the obstruction through. Or, with another vacuum, you can reverse the suction in the system to remove the clog. If neither method is successful, call your dealer.
	Have your authorized dealer check the gasket under the motor and the gasket located where the dirt receptacle attaches to the upper cylinder.
TOTAL LOSS OF SUCTION (with motor running)	Check the hose for obstruction. Plug hose into any inlet valve. If there is no suction through the hose after connecting at a couple of inlets, the blockage is in the hose. To clear the hose obstruction, insert an electrician's fish tape (wire) or garden hose through the hose, being careful not to puncture the hose. You can also attempt to reverse the suction through the hose to dislodge the blockage by inserting the wand end into the utility inlet on the power unit. Turn on the power unit with the manual switch and seal the extra airspace by holding the hose firmly. The obstruction should be quickly vacuumed out.
	Turn on the power unit with the on/off button and follow the same procedure as in step #2 of the above section. However, with a total loss of suction at all inlets, if the problem is a clog in the system, it would be located between the power unit and the first inlet.
MOTOR REFUSES TO START	Check fuses or breakers (trip switches) in the electric panels in your house.
	Unplug and check all wall inlet and low-voltage connections for loose wires.
	If your power unit has a control light, the green light will indicate when the unit has a proper voltage and the low-voltage circuit is supplying power to the inlets. Should the light be on, but the motor starts only with the on/off button and not at the inlets, the problem is broken low-voltage wiring to the wall inlets. Call your authorized dealer. If the green light is flashing, or does not light up, and the motor does not start, the power unit could have experienced a fault due to excessively high or low standard operating voltage, high current draw, or a locked rotor. It is also possible that the unit was powered on with a low-volt connection (i.e. handle, vac pan, etc.) in the ON position. To resolve this issue: <ol style="list-style-type: none"> Ensure all handles and vacpans are in the OFF position. Unplug the power unit cord from the wall outlet, and then plug in again. Press the on/off button on the power unit.
MOTOR REFUSES TO STOP	Check inside each inlet valve for obstruction of low-voltage contacts. If no visual obstruction can be detected, disconnect the cleaner from the power receptacle and contact your nearest service station/dealer.
AUTOMATIC SHUTOFF	In the unlikely event the unit is unintentionally left ON, your central vacuum has a safe guard to automatically turn OFF the unit to protect your vacuum from motor damage. The safe guard is a 30-minute timer which will automatically turn OFF the power unit after 30 minutes of continuous use. To restart, remove the hose from the wall inlet and reinsert, the power unit should come back ON. If you are equipped with an on/off switch on the hose handle, turn the switch to the OFF and then to the ON position to reset the timer.

6. WASTE OF ELECTRIC AND ELECTRICAL EQUIPMENT (WEEE)

This symbol on the product or on its packaging indicates that this product may not be treated as household waste. Instead it should be handed over to applicable collection point for the recycling of electronics and electrical equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. For more detailed information about this product, please contact your local waste disposal service or the shop where you purchased the product.



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